Oracle® Beehive

Administrator's Reference Guide

Release 1 (1.5)

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This book is a reference volume containing specific information on Oracle Beehive templates, command-line utilities, and error codes.

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Oracle Beehive Administrator's Reference Guide, Release 1 (1.5)

E14837-02

Contents

1 Oracle Beehive XML File Reference

2   Oracle Beehive Command Line Utility

3   Oracle Beehive Error Codes

4 Oracle Beehive Property Reference

Preface

The *Oracle Beehive Administrator's Reference Guide* describes administration tasks associated with Oracle Beehive.

Audience

The *Oracle Beehive Administrator's Reference Guide* is directed at any administrator whose task is the installation, deployment, configuration, administration, and maintenance of Oracle Beehive.

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Related Documents

For more information, see the following documents in the Oracle Beehive Release 1.0 documentation set:

- *Oracle Beehive Administrator's Guide*
- *Oracle Beehive Application Developer's Guide*
- *Oracle Beehive Concepts*
- *Oracle Beehive Deployment Guide*
- *Oracle Beehive Installation Guide for Linux*
- *Oracle Beehive Installation Guide for Microsoft Windows*
- *Oracle Beehive Installation Guide for Solaris Operating System (SPARC 64-Bit)*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1

Oracle Beehive XML File Reference

This module describes the structure of the following XML files:

- Audit Templates
- Category Templates
- Group Templates
- Policy Definitions
- Workflow Templates
- Workspace Templates

> **Note:** The tables in this module describe all the permitted elements for each XML element. The **Min.** column is the minimum number of elements required. The **Max.** column is the maximum number of elements allowed.

Audit Templates

An audit policy is a definition of rules and actions that determine which events should be recorded in the auditing logs, and the context (user or content) in which you want to do so.

To create an audit policy, you need an audit policy template and an audit policy definition.

An audit policy template is an XML file that has AuditTemplateInfo as its root element. It specifies which auditable events should be recorded in the auditing logs. To activate an audit policy template, you associate it with an audit policy definition.

An audit policy definition is an XML file that has AuditPolicyInfo as its root element. It specifies which audit policy template to activate, and which level of scope (user, organization, or enterprise) or level of the content hierarchy (such as an individual entity, folder, or workspace) to apply the audit policy template.

As a result, the audit service will record the events specified in the audit policy template in the auditing logs in the scope you specified in the audit policy definition.

You may also create an audit trail. An audit trail is a collection of audit records that have common characteristics such as the user or group who performed or triggered the event, the date and time that the event occurred, and the type of event. You create an audit trail with an audit trail template. This is an XML file that has AuditTrailInfo as its root element. It specifies which characteristics each audit record in the audit trail must have.

Sample Audit Templates

The directory *<Oracle home>*/beehive/audit contains the following sample audit templates:

- policy_ex.xml: Sample audit policy definition

- template_ex.xml: Sample audit policy template

- trail_ex.xml: Sample audit trail template

The policy directory also contain the file audit.xsd that defines the structure of audit policy definitions, audit policy templates, and audit trail templates.

AuditPolicyInfo

Root element of audit policy definitions.

Table 1–1   AuditPolicyInfo Elements

Element Name	Min.	Max.	Description
createdOn	1	1	DateTime
name	1	1	String, name of the audit policy
description	1	1	String, description of the audit policy
template	1	1	String, audit template's identifier. It can either be the collabID or the template's name.
container	0	1	String, identifier of the container or audit scope. Default value is the identifier of the enterprise. **Note**: You may not change this value with the beectl modify_audit_policy command.
actor	0	unbounded	Complex type that contains two attributes: - add: Boolean, if false, and the XML template is used to update an existing audit policy, then this actor/group will be removed from the filter list. - id: String List of audit filter identifiers. Each identifier can either be the organization user's identifier or the group's identifier. Default value is for all users if this element is not specified or empty.

AuditTrailInfo

Root element of audit trail templates.

Table 1–2   AuditTrailInfo Elements

Element Name	Min.	Max.	Description
createdOn	1	1	DateTime
name	1	1	String, name of the audit trail
description	1	1	String, description of the audit trail

Table 1–2   (Cont.) AuditTrailInfo Elements

Element Name	Min.	Max.	Description
actor	0	unbounded	String, list of identifiers of the users to be used as a predicate when searching for audit records. Default is to use all users
entity	0	unbounded	String, list of identifiers of the entities that generated the audit records
startTime	0	1	DateTime, audit record start time
endTime	0	1	DateTime, audit record end time
eventType	1	1	String
serviceName	1	1	String
userName	1	1	String
activity	1	1	String
predicate	1	1	String
limit	1	1	Unsigned integer

AuditTemplateInfo

Root element of audit policy templates.

Table 1–3   AuditTemplateInfo Elements

Element Name	Min.	Max.	Description
createdOn	1	1	DateTime
name	1	1	String
description	1	1	String
event	1	unbounded	String

Category Templates

With category templates, you may perform the following tasks:

- Create categories with the `beectl add_category` command

- Delete categories with the `beectl delete_category` command

- Apply them to objects in a workspace with the `beectl add_category_application` command

- Remove them from objects in a workspace with the `beectl delete_category_application` command

The following example creates a subcategory named `My subcategory` that has two attributes.

Example 1–1   Category Template Example

```
<CategoryDefinition xmlns="http://xmlns.oracle.com/beehive/category">
   <name>My subcategory</name>
   <description>My subcategory description</description>
   <abstract>F</abstract>
   <parentCEN>
     <enterpriseId>521D</enterpriseId>
```

```
    <siteId>7D48</siteId>
    <objectType>catg</objectType>
    <eid>395E4535BD17BB82E040578CB50964750000000007F3</eid>
</parentCEN>
<attributes>
    <attribute>
        <name>First attribute</name>
        <description>Description of first attribute</description>
        <propertyType>String</propertyType>
        <searchable>T</searchable>
        <defaultValue>Hello</defaultValue>
    </attribute>
    <attribute>
        <name>Second attribute</name>
        <description>Description of second attribute</description>
        <propertyType>String</propertyType>
        <searchable>T</searchable>
        <defaultValue>World!</defaultValue>
    </attribute>
</attributes>
</CategoryDefinition>
```

Sample Category Templates

The directory `<Oracle home>`/beehive/templates/workspaces contains the following sample category templates:

- `add_category_template1.xml`

- `add_category_template2.xml`

- `add_subcategory_template.xml`

The workspaces directory also contains the file category.xsd that defines the structure of category templates.

CategoryDefinition

Root element of category templates.

Table 1–4   Elements of CategoryDefinition

Element Name	Min.	Max.	Description
categoryCEN	0	1	CEN (type)
name	1	1	String
description	0	1	String
ownerCEN	0	1	CEN (type)
parentCEN	0	1	CEN (type)
subcategoryCEN	0	unbounded	CEN (type)
visibility	0	1	Either a value of V (the category is visible) or N (the category is not visible).
abstract	0	1	Boolean, either a value of T (true) or F (false)
creatorCEN	0	1	CEN (type)
modifiedByCEN	0	1	CEN (type)

Table 1–4   (Cont.) Elements of CategoryDefinition

Element Name	Min.	Max.	Description
defaultTemplate	0	1	CatTemplate (type)
attributes	0	1	Contains zero to any amount of elements named `attribute` of type AttributeDefinition (type)
deletedAttributes	0	1	Contains zero to any amount of elements named `cens` of type CEN (type).

CEN (type)

Represents the collaboration entity name, which uniquely identifies an entity in the system.

Table 1–5   Elements of CEN (type)

Element Name	Min.	Max.	Description
enterpriseId	0	1	String
siteId	0	1	String
objectType	0	1	String
eid	0	1	String

CatTemplate (type)

Table 1–6   Elements of CatTemplate (type)

Element Name	Min.	Max.	Description
categoryTemplateCEN	0	1	CEN (type)
categoryCEN	1	1	CEN (type)
copyOnVersion	0	1	Boolean, either a value of `T` (true) or `F` (false)
mandatory	0	1	Boolean, either a value of `T` (true) or `F` (false)
finalInd	0	1	Boolean, either a value of `T` (true) or `F` (false)
isMissing	0	1	Boolean, either a value of `T` (true) or `F` (false)
attributeTemplates	0	1	Contains zero to any number of elements named `attributeTemplate` of type AttributeTemplate (type)
deletedAttrTemplates	0	1	Contains zero to any amount of elements named `cens` of type CEN (type).

AttributeDefinition (type)

Table 1–7   Elements of AttributeDefinition (type)

Element Name	Min.	Max.	Description
attributeDefCEN	0	1	CEN (type)
name	1	1	String
description	0	1	String
propertyType	1	1	String, one of INTEGER, STRING, DATE, CHAR, BOOLEAN, FLOAT, DOUBLE, LONG, BYTE, TIME, RAW, or DATETIME
searchable	0	1	Boolean, either a value of T (true) or F (false)
minValue	0	1	String
minValueInc	0	1	Boolean, either a value of T (true) or F (false)
maxValue	0	1	String
maxValueInc	0	1	Boolean, either a value of T (true) or F (false)
allowedValues	0	1	Contains zero to any number of elements named allowedVal of string type.
defaultValue	0	1	String String. This element may contain a dynamic workflow template attribute. Refer to "Dynamic Workflow Template Attributes" for a list of available dynamic workflow templates.

Dynamic Workflow Template Attributes

A dynamic workflow template attribute represents the most commonly used attributes of workflow template keys.

The following dynamic workflow template attributes are available:

Table 1–8   Dynamic Workflow Template Attributes

Dynamic Workflow Template Attribute	Description
#workflow.entity	Name of the entity (document or folder) that is being processed by the workflow
#workflow.container	Name of the container in which the entity (which is being processed by the workflow) resides
#workflow.srccontainer	Same as #workflow.container; this attribute is used to differentiate multiple containers during certain operations such as copy or move
#workflow.dstcontainer	Same as #workflow.container; this attribute is used to differentiate multiple containers during certain operations such as copy or move
#workflow.initiator	Name of the user who initiated the workflow
#workflow.startdate	The date, in string format, when the workflow was started; the format is the same as calling the Java method Date.toString()

Using Dynamic Workflow Attributes in Workflow Templates The following is an example of using a dynamic workflow attribute in a workflow template:

```
<attribute>
  <name>tasktitle</name>
  <defaultValue>
    Please approve the update of the #workflow.entity document
  </defaultValue>
  <prompted>true</prompted>
  <required>false</required>
</attribute>
```

AttributeTemplate (type)

Table 1–9   Elements of AttributeTemplate (type)

Element Name	Min.	Max.	Description
attributeTempCEN	0	1	CEN (type)
attributeDef	1	1	AttributeDefinition (type)
mandatory	0	1	Boolean, either a value of `T` (true) or `F` (false)
prompted	1	1	Boolean, either a value of `T` (true) or `F` (false)
finalized	0	1	Boolean, either a value of `T` (true) or `F` (false)
forceDefault	0	1	Boolean, either a value of `T` (true) or `F` (false)
minValue	0	1	String
minValueInc	0	1	Boolean, either a value of `T` (true) or `F` (false)
maxValue	0	1	String
maxValueInc	0	1	Boolean, either a value of `T` (true) or `F` (false)
allowedValues	0	1	Contains zero to any number of elements named `allowedVal` of string type.
defaultValue			String

Group Templates

Use group templates to create or modify groups.

The following example creates a dynamic group called `all_extended_enterprise` that consists of external users that belong to the enterprise defined by the cen element.

The following example creates a static group with a set of explicitly-identified users:

Example 1–2   Static Group Creation With Users

```
<?xml version="1.0" encoding="utf-8"?>
<groups>
  <group type="grup">
```

```
<name>beehive_test_group</name>
<description>My first static group</description>
<scope>
    <cen>2B1C:6844:enpr:31FF590FA21BD45EE040578CC60514DF0000000001A3</cen>
</scope>
<guid/>
<query/>
<members>
  <add>
    <actor>
      <item>
        <cen>2B1C:6844:user:0100E3E88D0A49CAA85C6B54EC8CD772000000000007</cen>
      </item>
      <item>
        <cen>2B1C:6844:user:0100E3E88D0A49CAA85C6B54EC8CD77200000000001C</cen>
      </item>
    </actor>
    <subgroup>
      <item>
        <cen>2B1C:6844:grup:0100E3E88D0A49CAA85C6B54EC8CD772000000000041</cen>
      </item>
    </subgroup>
    <principal/>
  </add>
</members>
<addresses>
  <add>
    <item>
        <address>mailto:bob_smith@mycompany.com</address>
        <addresstype>NONE</addresstype>
    </item>
  </add>
  <remove>
    <item>
        <address>authid:bob_smith</address>
        <addresstype>NONE</addresstype>
    </item>
  </remove>
  <defaultaddressbytype>
    <item>
        <address>authid:sblack</address>
        <addresstype>NONE</addresstype>
    </item>
  </defaultaddressbytype>
  <defaultaddressbyscheme>
     <item>
        <address>authid:rajpal.goyal</address>
        <addresstype>NONE</addresstype>
    </item>
  </defaultaddressbyscheme>
  <primaryaddress>
    <item>
        <address>authid:example</address>
        <addresstype>NONE</addresstype>
    </item>
  </primaryaddress>
</addresses>
<memberships>
  <add>
      <item>
```

```
        <cen>2B1C:6844:orgn:31FF590FA21BD45EE040578CC60514DF0000000001AA</cen>
      </item>
    </add>
  </memberships>
  <properties>
    <add>
      <item>
        <name>IS_AUTO_CONFIRM_ON</name>
        <value>true</value>
        <description>xxx</description>
      </item>
    </add>
    <remove>
      <item>
        <name>xxxx</name>
      </item>
    </remove>
  </properties>
</group>
</groups>
```

groups

Table 1–10   Elements of groups

Element Name	Min.	Max.	Description
group	1	unbounded	

Table 1–11   Attributes of groups

Attribute Name	Description
directoryid	String

group

Table 1–12   Elements of group

Element Name	Min.	Max.	Description
name	0	1	String
description	0	1	String
scope	0	1	Contains zero to any number of cen elements. The cen element contains a collabID (no other child elements).
ismembershipgroup	0	1	String
guid	0	1	String
query	0	1	
members	0	1	
addresses	0	1	
properties	0	1	
preferenceprofiles	0	1	

Table 1–12 (Cont.) Elements of group

Element Name	Min.	Max.	Description
memberships	0	1	

Table 1–13 Attributes of group

Attribute Name	Description
cen	String, collabID of the group, This is required if you are modifying the group.
type	Required attribute, enumerated type, one of the following: ■ grup ■ dgrp

query

Table 1–14 Elements of query

Element Name	Min.	Max.	Description
operator	0	1	

operator

Table 1–15 Elements of operator

Element Name	Min.	Max.	Description
operator	0	1	
operator	0	1	
predicate	0	1	
predicate	0	1	

Table 1–16 Attributes of operator

Attribute Name	Description
type	Required attribute, enumerated value, one of NONE, AND, or OR

predicate

Table 1–17 Elements of predicate

Element Name	Min.	Max.	Description
attribute	1	1	
address	1	1	
property	1	1	

attribute

Table 1–18   Elements of attribute

Element Name	Min.	Max.	Description
name	1	1	Enumerated value, one of the following: ■ BUSINESS_1 ■ BUSINESS_2 ■ BUSINESS_3 ■ BUSINESS_4 ■ BUSINESS_5 ■ OTHER_1 ■ OTHER_2 ■ OTHER_3 ■ OTHER_4 ■ OTHER_5 ■ PERSONAL_1 ■ PERSONAL_2 ■ PERSONAL_3 ■ PERSONAL_4 ■ PERSONAL_5
value	1	1	String

address

Table 1–19   Elements of address

Element Name	Min.	Max.	Description
uri	1	1	anyURI
type	1	1	Enumerated value, one of the following: ■ ASSISTANT ■ BUSINESS ■ NONE ■ PERSONAL ■ SPOUSE

property

Table 1–20   Elements of property

Element Name	Min.	Max.	Description
name	1	1	
value	1	1	attribute predicate value (type)

members

Table 1–21   Elements of members

Element Name	Min.	Max.	Description
add	0	1	operation (type)
remove	0	1	operation (type)
removeincluded	0	1	
removeexcluded	0	1	

operation (type)

Table 1–22   Elements of operation (type)

Element Name	Min.	Max.	Description
actor	0	1	Contains zero to any number of item elements
agent	0	1	Contains zero to any number of item elements
subgroup	0	1	Contains zero to any number of item elements
principal	0	1	Contains zero to any number of item elements

Table 1–23   Attributes of operation (type)

Attribute Name	Description
type	Enumerated type, either NONE, AND, or OR.

removeincluded

Table 1–24   Elements of removeincluded

Element Name	Min.	Max.	Description
actor	0	1	Contains zero to any number of item elements
agent	0	1	Contains zero to any number of item elements
subgroup	0	1	Contains zero to any number of item elements
principal	0	1	Contains zero to any number of item elements

removeexcluded

Table 1–25   Elements of removeexcluded

Element Name	Min.	Max.	Description
actor	0	1	Contains zero to any number of item elements

addresses

Table 1–26   Elements of addresses

Element Name	Min.	Max.	Description
add	0	1	Contains zero to any number of item (child element of addresses) elements

Table 1–26   (Cont.) Elements of addresses

Element Name	Min.	Max.	Description
remove	0	1	Contains zero to any number of item (child element of addresses) elements
defaultaddressbytype	0	1	Contains zero to any number of item (child element of addresses) elements
defaultaddressbyscheme	0	1	Contains zero to any number of item (child element of addresses) elements
primaryaddress	0	1	Contains zero to any number of item (child element of addresses) elements

item (child element of addresses)

Table 1–27   Elements of item (child element of addresses)

Element Name	Min.	Max.	Description
address	0	1	anyURI
addressType	0	1	Enumerated value, one of the following: ■ ASSISTANT ■ BUSINESS ■ NONE ■ PERSONAL ■ SPOUSE

properties

Table 1–28   Elements of properties

Element Name	Min.	Max.	Description
add	0	1	Contains zero to any number of item (child element of properties) elements
remove	0	1	Contains zero to any number of item (child element of properties) elements

item (child element of properties)

Table 1–29   Elements of item (child element of properties)

Element Name	Min.	Max.	Description
name	0	1	String
value	0	1	String
description	0	1	String

preferenceprofiles

Table 1–30   Elements of preferenceprofiles

Element Name	Min.	Max.	Description
add	0	1	Contains zero to any number of item elements

Table 1–30 (Cont.) Elements of preferenceprofiles

Element Name	Min.	Max.	Description
remove	0	1	Contains zero to any number of item elements
active	0	1	Contains zero to any number of item elements

memberships

Table 1–31 Elements of memberships

Element Name	Min.	Max.	Description
add	0	1	Contains zero to any number of item elements
remove	0	1	Contains zero to any number of item elements

item

Table 1–32 Elements of item

Element Name	Min.	Max.	Description
cen	0	1	String

Policy Definitions

A policy definition defines a set of rules containing conditions and an action to perform if those conditions are satisfied.

The following is a policy definition that validates user passwords. It checks if the user's password matches one of the following criteria:

- Less than 8 characters long

- Greater than 128 characters long

- Contains the user name as a substring

- Does not contain both upper and lower case characters

- Matches a password previously used by the user

If any of these criteria are true, then the password is rejected.

Example 1–3 Password Policy

```
<?xml version = '1.0' encoding = 'UTF-8'?>
<PolicyInfo isExtensible="true">
  <policy>plcy=PasswordPolicy,enpr=Acme</policy>
  <scope>enpr=Acme</scope>
  <template></template>
  <name>PasswordPolicy</name>
  <description>Password policy desc</description>
  <RuleInfos>
    <RuleInfo priority="1">
      <name>Password Auth PLSQL Rule</name>
      <description>Password Auth rule description</description>
      <eventTypeName>ON_AUTH_USER_PASSWD_MODIFICATION</eventTypeName>
      <ruleId>
        2ACE:6047:rule:3AC0E3FA73872328E040578C939A44FF0000000F4496
      </ruleId>
```

```
<toRemove>false</toRemove>
<templateRuleId/>
<ConditionInfo>
  <DisjunctionInfo>
    <LeftBooleanExpression>
      <DisjunctionInfo>
        <LeftBooleanExpression>
          <DisjunctionInfo>
            <LeftBooleanExpression>
              <DisjunctionInfo>
                <LeftBooleanExpression>
                  <DisjunctionInfo>
                    <LeftBooleanExpression>
                      <Simple>
                        <!-- This expression checks if the user's password
                             is less than 8 characters long -->
                        <leftSide>
                        <!-- Returns the length of the string -->
                          LENGTH(
                            CUSTOM_ATTRIBUTES.USER_PASSWD)
                        </leftSide>
                        <operator>&lt;</operator>
                        <rightSide>8</rightSide>
                      </Simple>
                    </LeftBooleanExpression>
                    <RightBooleanExpression>
                      <Simple>
                        <!-- This expression checks if the user's password
                             is greater than 128 characters long -->
                        <leftSide>
                          LENGTH(
                            CUSTOM_ATTRIBUTES.USER_PASSWD)
                        </leftSide>
                        <operator>></operator>
                        <rightSide>128</rightSide>
                      </Simple>
                    </RightBooleanExpression>
                  </DisjunctionInfo>
                </LeftBooleanExpression>
                <RightBooleanExpression>
                  <Simple>
                    <!-- This expression checks if the user's password
                         contains both alphabetic and numeric
                         characters -->
                    <leftSide>
                      AUTH_POLICY_FUNC_PKG.
                        VERIFY_ALPHANUM(
                          CUSTOM_ATTRIBUTES.USER_PASSWD)
                    </leftSide>
                    <operator>=</operator>
                    <rightSide>0</rightSide>
                  </Simple>
                </RightBooleanExpression>
              </DisjunctionInfo>
            </LeftBooleanExpression>
            <RightBooleanExpression>
              <Simple>
                <!-- This expression checks if the user name is contained
                     in the password -->
                <leftSide>
```

```
                                 AUTH_POLICY_FUNC_PKG.CONTAINS_USERNAME(
                                   CUSTOM_ATTRIBUTES.USER_NAME,
                                   CUSTOM_ATTRIBUTES.USER_PASSWD)
                             </leftSide>
                             <operator>=</operator>
                             <rightSide>0</rightSide>
                           </Simple>
                       </RightBooleanExpression>
                     </DisjunctionInfo>
                 </LeftBooleanExpression>
                 <RightBooleanExpression>
                   <Simple>
                     <!-- This expression checks if the password contains both
                           upper and lower case characters -->
                     <leftSide>
                       AUTH_POLICY_FUNC_PKG.VERIFY_CASE(
                         CUSTOM_ATTRIBUTES.USER_PASSWD)
                     </leftSide>
                     <operator>=</operator>
                     <rightSide>0</rightSide>
                   </Simple>
                 </RightBooleanExpression>
               </DisjunctionInfo>
           </LeftBooleanExpression>
           <RightBooleanExpression>
             <Simple>
               <leftSide>
                 <!-- This expression checks if the password matches a password
                       previously used by the user -->
                 AUTH_POLICY_FUNC_PKG.IN_HISTORY(
                   CUSTOM_ATTRIBUTES.USER_NAME,
                   CUSTOM_ATTRIBUTES.ENCRYPTED_PASSWD)
               </leftSide>
               <operator>=</operator>
               <rightSide>0</rightSide>
             </Simple>
           </RightBooleanExpression>
         </DisjunctionInfo>
       </ConditionInfo>
       <ActionInfo>
         <name>Password modification action</name>
       </ActionInfo>
       <ActionPreferenceInfos/>
     </RuleInfo>
   </RuleInfos>
</PolicyInfo>
```

Sample Policy Definitions

The directory *<Oracle home>*/beehive/templates/policy contains the following sample policy definitions:

- AddPolicyTest_conjunction.xml

- AddPolicyTest_disjunction.xml

- AddPolicyTest_simple.xml

- ModifyPolicyTest.xml

The policy directory also contains XSD files that define the structure of policy definitions.

PolicyInfo

Root element of policy definitions.

Table 1–33   Elements of PolicyInfo

Element Name	Min.	Max.	Description
collabId	0	1	String
scope	0	1	String. The identifier of a scope (enterprise, organization, or workspace).
templateId	0	1	String
policy	0	1	String
scope	0	1	String
template	0	1	String
name	1	1	String
description	1	1	String
attributes	1	unbounded	
RuleInfos	1	1	Contains at least one to any number of RuleInfo elements
ActionPreferenceInfos	1	1	Contains at least one to any number of ActionPreferenceInfo elements. These are key/value pairs that are sent to the action
isExtensible	1	1	Boolean

attributes

Table 1–34   Elements of attributes

Element Name	Min.	Max.	Description
attributeDefId	1	1	String
name	1	1	String
value	1	1	String

RuleInfo

Contains one or more conditions defined by the ConditionInfo element. These conditions are evaluated as true or false. Depending on the results of these conditions, the rule may activate an action. The ActionInfo element defines these actions.

Table 1–35   Elements of RuleInfo

Element Name	Min.	Max.	Description
name	1	1	String
description	1	1	String
eventTypeName	1	1	String, name of an Oracle Beehive event
ruleId	1	1	String
toRemove	1	1	Boolean, if true, the rule specified by ruleId will be removed from the policy

Table 1–35 (Cont.) Elements of RuleInfo

Element Name	Min.	Max.	Description
templateRuleId	1	1	String
ConditionInfo	1	1	Defines the conditions that must be true in order to activate the actions(s) specifies in ActionInfo
ActionInfo	1	unbounded	Defines the action(s) this rule will activate.

Table 1–36 Attributes of RuleInfo

Attribute Name	Description
priority	Integer, specifies the order in which rules are evaluated. A rule with a lower priority will be evaluated before one with a higher priority.

ConditionInfo

Contains logical expressions.

The ConditionInfo element may contain either one ConjunctionInfo element or one DisjunctionInfo element.

Table 1–37 Elements of ConditionInfo

Element Name	Min.	Max.	Description
ConjunctionInfo	0	1	logical expression (type), evaluates to true if both of its boolean expressions evaluate to true. This is like a logical AND operator.
DisjunctionInfo	1	1	logical expression (type), evaluates to true if one or both of its boolean expressions evaluate to true. This is like the logical OR operator.
Simple	0	1	Simple

logical expression (type)

Represents the elements ConjunctionInfo and DisjunctionInfo. Contains two boolean expressions.

Table 1–38 Elements of logical expression (type)

Element Name	Min.	Max.	Description
LeftBooleanExpression	1	1	boolean expression (type)
RightBooleanExpression	1	1	boolean expression (type)

boolean expression (type)

Represents the elements LeftBoooleanExpression and RightBooleanExpression.

May contain only one of the elements listed in the following table. The ConjunctionInfo and DisjunctionInfo elements allow you to nest boolean expressions.

Table 1–39   Elements of boolean expression (type)

Element Name	Min.	Max.	Description
ConjunctionInfo	0	1	logical expression (type)
DisjunctionInfo	0	1	logical expression (type)
Simple	0	1	

Simple

Defines a boolean expression that consists of two operands (the leftSide and rightSide elements) and an operator (the element operator).

Table 1–40   Elements of Simple

Element Name	Min.	Max.	Description
leftSide	1	1	String
operator	1	1	One of the following operators: ■ = (equals) ■ != (not equal) ■ < (less than) ■ > (greater than) ■ <= (less than or equal to) ■ >= (greater than or equal to)
rightSide	1	1	String

ActionInfo

Specifies the action to be performed if the expressions in ConditionInfo evaluate to true. The command `beectl list_actions` lists all available actions.

Table 1–41   Elements of ActionInfo

Element Name	Min.	Max.	Description
name	1	1	Name of the action to be performed if the expressions in ConditionInfo evaluate to true.

ActionPreferenceInfo

Table 1–42   Elements of ActionPreferenceInfo

Element Name	Min.	Max.	Description
key	1	1	String. Either contains the value JXPATHS or a name of a runtime variable that you have defined separately in your BPEL workflow.

Table 1–42   (Cont.) Elements of ActionPreferenceInfo

Element Name	Min.	Max.	Description
value	1	1	String. If the value of key is JXPATHS, then this element contains one or more JXPath. Refer to "Constructing JXPaths" for more information.
			If the value of key is the name of a runtime variable defined in your BPEL workflow, this element contains the value you want to pass to your BPEL workflow. You may specify a dynamic policy attribute, which is a predefined attribute. Refer to "Dynamic Policy Attributes" for a list of available dynamic policy attributes.

Constructing JXPaths

Each JXPath has the following structure:

```
<method>#<method>#...@<XML element name>
```

For example, the following is the first JXPath in this policy, which retrieves the identifier of the newly added document, then maps this value to the `<entityId>` element in the generated XML:

```
getCommonAttributes#getEntityId#toCollabId@entityId
```

To get the list of available attributes for a particular event, use the command `beectl list_events --name <event name>`. For `<event name>`, use the value in the `<eventTypeName>` element in the policy.

For example, the following is a description of the DOCUMENT_CREATED event and its attributes:

```
beectl list_events --name DOCUMENT_CREATED
Event Name: DOCUMENT_CREATED
Event Description: Raised when a new document is created in a heterogeneous
folder. This event is also raised when an existing document is copied to a new
heterogeneous folder.
Is Synchronous: N
-----------------------------------
Event Subscriptions:
-----------------------------------
Name: HelloWorldDocCreated
Event Subscription Id: 26C9:2946:evts:37275AA4FF80934DE040578C201A154B0000000493F5
Event Action Function: oracle.ocs.management.model.WorkflowService:HelloWorld
Is PLSQL Action: N
-----------------------------------
Event Attributes:
-----------------------------------
Name: COMMON_ATTRIBUTES              Type: OCS_CODE.ECA_COMMON_EVENT_ATTRIBS_T
  Name: ENTITY_ID                      Type: OCS_CODE.OCS_COLLAB_ID_T
  Name: CONTAINER                      Type: OCS_CODE.OCS_COLLAB_ID_T
  Name: ACTOR_ID                       Type: OCS_CODE.OCS_COLLAB_ID_T
  Name: OPERATION                      Type: STRING
  Name: STATUS                         Type: STRING
  Name: MESSAGE                        Type: STRING
  Name: EVENT_NAME                     Type: STRING
  Name: LOGON_RECORD_ID                Type: INTEGER
  Name: EVENT_ID                       Type: INTEGER
Name: CUSTOM_ATTRIBUTES              Type: OCS_CODE.WS_DOCUMENT_EVENT_ATTRIBS_T
```

```
Name: ARTIFACT_ATTRIBUTES          Type: OCS_CODE.AM_COMMON_EVENT_ATTRIBS_T
  Name: SIZE_CHANGE                  Type: INTEGER
  Name: NEW_CONTAINER               Type: OCS_CODE.OCS_COLLAB_ID_T
```

To retrieve the value of an attribute, perform the following steps to the attribute's name:

1. Convert the attribute name to lower case

2. Capitalize the first letter of the attribute name. and the letter after each underscore

3. Remove all underscores

4. Append `get` to the beginning of the name

Attributes are stored in a tree structure. For example, to retrieve the value of ENTITY_ID, you will have to retrieve COMMON_ATTRIBUTES first.

You may use the following methods in your JXPath:

- `toCollabID`: Retrieves the identifier of the specified entity

- `ASENTITY`: Converts the identifier back into an entity so that you can retrieve other attributes and entities from it, such as its name with `getName`.

- `iterator`: Use this with `next` to retrieve all entities in a list.

Dynamic Policy Attributes

Dynamic policy attributes represent the most commonly used Oracle Beehive event attributes. Use dynamic policy attributes instead of the equivalent JXPath when possible.

The following is a list of available dynamic policy attributes:

- ACTOR_NAME

- CONTAINER_NAME

- ENTITY_CREATED_BY_COLLABID

- ENTITY_CREATED_BY_NAME

- ENTITY_CREATED_ON

- ENTITY_MODIFIED_BY_COLLABID

- ENTITY_MODIFIED_BY_NAME

- ENTITY_MODIFIED_ON

- ENTITY_NAME

- ENTITY_OWNER_NAME

- LOGIN_ID

Using Dynamic Policy Attributes in Policy Definitions The following is an example of using a dynamic policy attribute in a policy definition:

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<PolicyInfo
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:noNamespaceSchemaLocation="policyInfo.xsd"
  isExtensible="false">

  <RuleInfos>
    <RuleInfo priority="1">
```

```
          <name>WORKFLOWDOCRULE</name>
          <description>
            Start Simple Process Workflow when a document is uploaded
          </description>
          <eventTypeName>DOCUMENT_CREATED</eventTypeName>
          <ruleId></ruleId>
          <templateRuleId></templateRuleId>
          <ConditionInfo>
            <!-- Workflow triggering condition here -->
          </ConditionInfo>

          <ActionInfos>
            <name>WorkflowActionInfo</name>
            <description>This is a workflow policy action.</description>
            <actionTypeName>JAVA</actionTypeName>
            <actionString>Invoke Workflow</actionString>
          </ActionInfos>

          <ActionPreferenceInfos>
            <actionPreferenceInfo>
            <key>JXPATHS</key>
            <!-- Line breaks have been added to the following JXPath for clarity -->
            <value>
              getCommonAttributes#getActorId#toCollabId:
              getCustomAttributes#getArtifactAttributes#getNewContainer#toCollabId:
              getCustomAttributes#getArtifactAttributes#getSizeChange:
              getCommonAttributes#getEntityId#toCollabId
            </value>
            </actionPreferenceInfo>

            <actionPreferenceInfo>
              <key>WorkflowName</key>
              <value>SimpleWorkflow</value>
            </actionPreferenceInfo>

            <actionPreferenceInfo>
              <key>Param1</key>
              <value>FooValue</value>
            </actionPreferenceInfo>

            <actionPreferenceInfo>
              <key>Param2</key>
              <value>$ACTOR_NAME</value>
            </actionPreferenceInfo>

          </ActionPreferenceInfos>
      </RuleInfo>
    </RuleInfos>
</PolicyInfo>
```

In this policy, the custom workflow named SimpleWorkflow is started when a document is created. This policy passes two values (named Param1 and Param2) to the custom workflow: FooValue and the dynamic policy attribute ACTOR_NAME (note the dollar sign ($) prepended to the dynamic policy attribute).

Refer to "Oracle Beehive Custom Workflow" found in the Oracle Beehive Web site on Oracle Technology Network for a tutorial that demonstrates how to define a BPEL process that is invoked from Oracle Beehive and leverages BPEL task integration.

Workflow Templates

A workflow template determines the conditions for a workflow to take place, as well as the context (a container) in which it applies. The following is a sample workflow template:

Example 1–4   Sample Workflow Template

```
<WorkflowTemplateInfo
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation=
    "http://xml.oracle.com/beehive/workflow workflow_template.xsd"
  xmlns="http://xml.oracle.com/beehive/workflow"
  isfinal="false">
  <name>Oracle Beehive Sample Workflow Template</name>
  <collabid></collabid>
  <description>A Template for Serial Workflow</description>
  <schemaname>SerialWorkflow</schemaname>
  <containerid>
    540E:29F5:wstm:0F74CE0314C74715BFAE8E8F77DFC44300000000000001F
  </containerid>
  <templatekey>DOCUMENT_CREATE</templatekey>
  <Attributes>
    <attribute>
      <name>justification</name>
      <defaultValue>
        Request to create a document in the Oracle Beehive Lab Workspace
      </defaultValue>
      <prompted>true</prompted>
      <required>false</required>
    </attribute>
    <attribute>
      <name>workflowtimeout</name>
      <defaultValue>0</defaultValue>
      <prompted>true</prompted>
      <required>false</required>
    </attribute>
    <attribute>
      <name>approvertimeout</name>
      <defaultValue>0</defaultValue>
      <prompted>true</prompted>
     <required>false</required>
    </attribute>
    <attribute>
      <name>approvers</name>
      <defaultValue>tolkin</defaultValue>
      <prompted>true</prompted>
      <required>false</required>
    </attribute>
    <attribute>
      <name>payload</name>
      <defaultValue>defaultpayload</defaultValue>
      <prompted>true</prompted>
      <required>false</required>
    </attribute>
    <attribute>
      <name>tasktitle</name>
      <defaultValue>
        Request to create a document in the Oracle Beehive Lab Workspace
      </defaultValue>
```

```
      <prompted>true</prompted>
      <required>false</required>
    </attribute>
    <attribute>
      <name>initiator</name>
      <defaultValue>rahad</defaultValue>
      <prompted>true</prompted>
      <required>false</required>
    </attribute>
  </Attributes>
</WorkflowTemplateInfo>
```

Sample Workflow Templates

The directory *<Oracle home>*/beehive/templates/workflow contains the
following sample workflow template:

■   AddWorkflowTemplateTest.xml

The workflow directory also contains the XSD file Workflow_template.xsd that
defines the structure of workflow templates.

WorkflowTemplateInfo

Table 1–43   Elements of WorkflowTemplateInfo

Element Name	Min.	Max.	Description
name	1	1	String
collabid	1	1	String
description	1	1	String, description of the workflow template
schemaname	1	1	String, name of an existing workflow. Oracle Beehive comes with two workflows: ■ SerialWorkflow: Allows an action to be approved when a number of responders have reviewed the request in order. If any responder rejects the request, the action will not be performed. ■ ParallelVoteWorkflow: Allows an action to be approved when a number of responders have reviewed the request in parallel. These workflows are cancelled when it is no longer mathematically possible for the workflow to be approved, and approved when it is no longer mathematically possible for the workflow to be rejected. For example, in a workflow with two responders and two required "yes" votes, if one user rejects the request, the request will immediately be cancelled.
containerid	1	1	Specifies the container in with the workspace template applies
templatekey	1	1	String, name of an Oracle Beehive Event. The workflow template determines whether this event may be performed.
Attributes	1	unbounded	Contains one to any number of attribute elements

Table 1–43   (Cont.) Elements of WorkflowTemplateInfo

Element Name	Min.	Max.	Description
isfinal	1	1	Boolean

attribute

Table 1–44   Elements of attribute

Element Name	Min.	Max.	Description
name	1	1	String
defaultValue	1	1	String
prompted	1	1	Boolean
required	1	1	Boolean

Attributes for SerialWorkflow

The following are the available attributes for SerialWorkflow:

■ justification: Optional justification for request

■ workflowtimeout: Number of days before request expires. A value of zero indicates that the request does not expire.

> **Note:**   Time out values (both workflowtimeout and approvertimeout) should be in the form P*x*D*y*H*z*M. For example, P1D = 1 day; P1D6H = 1 day 6 hours; P2D3H30M = 2 days 3 hours 30 minutes; P0D = zero days, which means that the request does not expire.

■ approvertimeout: Number of days that approvers may review the request before approving it; a value of zero indicates that approvers do not have a limited duration of time

■ approvers: Comma-delimited list of users who must review this request. The users must review the request in the order they appear in this attribute. The user's login ID should appear here.

■ tasktitle: The Oracle Beehive task that is created will have this title

■ initiator: The default value is the name of the user who initiated the request. When the workflow is invoked, this attribute is automatically set to the user who actually triggered the event to be invoked. For instance, if the user john.a.macdonald uploads a document, the workflow will be triggered with john.a.macdonald as the initiator. This default value is provided for fallback purposes only.

Attributes for ParallelVoteWorkflow

The following are the available attributes for ParallelVoteWorkflow:

■ justification: Optional justification for request

■ workflowtimeout: Number of days before request expires; a value of zero indicates that the request does not expire

> **Note:** Time out values (both workflowtimeout and approvertimeout) should be in the form P*x*D*y*HzM. For example, P1D = 1 day; P1D6H = 1 day 6 hours; P2D3H30M = 2 days 3 hours 30 minutes; P0D = zero days, which means that the request does not expire.

- approvertimeout: Number of days that approvers may review the request before approving it; a value of 0 indicates that approvers do not have a limited duration of time

- approvers: Comma-delimited list of users who may review this request

- votepercent: Defines the percentage of approvers that need to approve the parallel workflow. If this percentage is not met and all approvers have responded, the workflow is rejected. Do not include the percent (%) symbol. For example, use the value `50` in the XML file, not `50%`.

- tasktitle: The Oracle Beehive task that is created will have this title

- initiator: The default value is the name of the user who initiated the request. When the workflow is invoked, this attribute is automatically set to the user who actually triggered the event to be invoked. For instance, if the user john.a.macdonald uploads a document, the workflow will be triggered with john.a.macdonald as the initiator. This default value is provided for fallback purposes only.

> **Note:** All timeout values must be either 0 (which means no timeout) or in the form P*x*D*y*H, where *x* is the number of days, and *y* is the number of hours. For example, `P1D` represents one day, and `P1D6H` represents one day and six hours.

Workspace Templates

Workspace templates populate new workspaces with a specified folder hierarchy and set up workspace properties. Oracle Beehive comes with four workspace templates:

- Basic Personal Workspace Template

- Basic Team Workspace Template

- Community of Practice Workspace Template

- Project Workspace Template

The following is a basic team workspace template:

Example 1–5   Basic Team Workspace Template

```
<teamWorkspaceTemplate
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://xmlns.oracle.com/beehive/transportabletemplate"
  xsi:schemaLocation="http://xmlns.oracle.com/beehive/transportabletemplate
    http://xmlns.oracle.com/beehive/transportabletemplate.xsd">

  <templateAttributes>
    <author>Oracle</author>
    <authorCreationTime>2004-08-12</authorCreationTime>
    <contactInfo>Oracle Corporation</contactInfo>
    <copyrightInfo>
```

```
      Copyright (c) 2007 Oracle Corporation. All rights reserved.
  </copyrightInfo>
  <description>Basic team workspace template</description>
  <name>Basic Team Workspace Template</name>
  <templateId>oracle.com.basic-team-workspace-template</templateId>
  <domain>general</domain>
</templateAttributes>

<body>
  <publicSensitivityTemplateBodyId>
    public_sensitivity
  </publicSensitivityTemplateBodyId>
  <defaultSensitivityTemplateBodyId>
    default_sensitivity
  </defaultSensitivityTemplateBodyId>

  <attributes>
    <name prompt="true">teamWorkspace</name>
    <description>workspace for managing team information</description>
    <participationMode>INVITE_ONLY</participationMode>
  </attributes>

  <sensitivity id="default_sensitivity">
    <name>Normal</name>
    <description>normal sensitivity</description>
    <sensitivityOnly>false</sensitivityOnly>
    <delegatable>true</delegatable>
    <ace>
        <grantAccessType>DISCOVER</grantAccessType>
        <accessor type="GROUP">
          <systemDefinedGroupName>
            ALL_USERS
          </systemDefinedGroupName>
        </accessor>
    </ace>
  </sensitivity>

  <sensitivity id="public_sensitivity">
    <name>Public</name>
    <description>public sensitivity</description>
    <sensitivityOnly>false</sensitivityOnly>
    <delegatable>true</delegatable>
    <ace>
        <grantAccessType>DISCOVER</grantAccessType>
        <grantAccessType>READ</grantAccessType>
        <accessor type="GROUP">
          <systemDefinedGroupName>
            ALL_USERS
          </systemDefinedGroupName>
        </accessor>
    </ace>
  </sensitivity>

  <defaultAnnouncementsForum id="default_ann_forum">
    <name>Announcements</name>
    <description>forum for workspace announcements</description>
  </defaultAnnouncementsForum>

  <defaultAddressBook id="default_address_book">
    <name>Contacts</name>
```

```
            <description>team address book</description>
          </defaultAddressBook>

          <defaultCalendar id="default_calendar">
            <name>Calendar</name>
            <description>team calendar</description>
          </defaultCalendar>

          <defaultInbox id="inbox_folder">
            <name>INBOX</name>
            <description>inbox for email messages</description>
          </defaultEmailInbox>

          <defaultTaskList id="default_task_list">
            <name>Tasks</name>
            <description>team tasks</description>
          </defaultTaskList>

          <entities>
            <folder id="documents_folder">
              <name>Documents</name>
              <description>folder for team documents</description>
            </folder>
          </entities>

          <summary>
            <inlineSummary>
              <fileName>summary.html</fileName>
              <mediaType>text/html</mediaType>
                <body>
                  &lt;title&gt; Workspace Summary for Members &lt;/title&gt;
                  &lt;b&gt; ${sys.workspace.name} &lt;/b&gt;
                  &lt;p&gt;The Workspace Coordinator should edit this text to share
                  private information about this project with the team. For example,
                  add a little text here describing the project goals, milestones and
                  progress. &lt;/p&gt;
                </body>
            </inlineSummary>
          </summary>

          <publicSummary>
             <inlineSummary>
                <fileName>publicSummary.html</fileName>
                <mediaType>text/html</mediaType>
                <body> &lt;title&gt; Workspace Public Summary &lt;/title&gt;
                     &lt;b&gt; ${sys.workspace.name} &lt;/b&gt;
                     &lt;p&gt; The Workspace Coordinator should edit this text to share
                     public information about this project with others in your company.
                     For example, add a little text here describing the project goals,
                     milestones and progress. &lt;/p&gt;
                </body>
             </inlineSummary>
          </publicSummary>

      </body>

  </teamWorkspaceTemplate>
```

The following is a basic personal workspace template

Example 1–6   Basic Personal Workspace Template

```xml
<personalWorkspaceTemplate
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://xmlns.oracle.com/beehive/transportabletemplate"
  xsi:schemaLocation="http://xmlns.oracle.com/beehive/transportabletemplate
    http://xmlns.oracle.com/beehive/transportabletemplate.xsd">

  <templateAttributes>
    <author>Oracle</author>
    <authorCreationTime>2004-08-12</authorCreationTime>
    <contactInfo>Oracle Corporation</contactInfo>
    <copyrightInfo>
      Copyright (c) 2007 Oracle Corporation. All rights reserved.
    </copyrightInfo>
    <description>Basic personal workspace template</description>
    <name>Basic Personal Workspace Template</name>
    <templateId>oracle.com.basic-personal-workspace-template</templateId>
    <domain>general</domain>

  </templateAttributes>

  <environment>

    <label>
       <name>Personal</name>
       <description>marker for personal items</description>
    </label>

    <label>
      <name>Business</name>
      <description>marker for business items</description>
    </label>

  </environment>

  <body>
    <publicSensitivityTemplateBodyId>
      public_sensitivity
    </publicSensitivityTemplateBodyId>
    <defaultSensitivityTemplateBodyId>
      default_sensitivity
    </defaultSensitivityTemplateBodyId>

    <attributes>
      <name prompt="true">personalWorkspace</name>
      <description>workspace for managing personal information</description>
    </attributes>

    <sensitivity>
      <name>Confidential</name>
      <description>confidential sensitivity</description>
      <sensitivityOnly>false</sensitivityOnly>
      <delegatable>true</delegatable>
      <ace>
          <grantAccessType>DISCOVER</grantAccessType>
          <accessor type="GROUP">
            <systemDefinedGroupName>
              ALL_USERS
            </systemDefinedGroupName>
          </accessor>
```

```
      </ace>
  </sensitivity>

  <sensitivity id="default_sensitivity">
    <name>Normal</name>
    <description>normal sensitivity</description>
    <sensitivityOnly>false</sensitivityOnly>
    <delegatable>true</delegatable>
    <ace>
        <grantAccessType>DISCOVER</grantAccessType>
        <accessor type="GROUP">
          <systemDefinedGroupName>ALL_USERS</systemDefinedGroupName>
        </accessor>
    </ace>
  </sensitivity>

  <sensitivity>
    <name>Private</name>
    <description>private sensitivity</description>
    <sensitivityOnly>true</sensitivityOnly>
    <delegatable>false</delegatable>
    <ace>
        <grantAccessType>DISCOVER</grantAccessType>
        <accessor type="GROUP">
          <systemDefinedGroupName>
            ALL_USERS
          </systemDefinedGroupName>
        </accessor>
    </ace>
  </sensitivity>

  <sensitivity id="public_sensitivity">
    <name>Public</name>
    <description>public sensitivity</description>
    <sensitivityOnly>false</sensitivityOnly>
    <delegatable>true</delegatable>
    <ace>
        <grantAccessType>DISCOVER</grantAccessType>
        <grantAccessType>READ</grantAccessType>
        <accessor type="GROUP">
          <systemDefinedGroupName>
            ALL_USERS
          </systemDefinedGroupName>
        </accessor>
    </ace>
  </sensitivity>


  <defaultAddressBook id="default_address_book">
    <name>Address Book</name>
    <description>contacts</description>
  </defaultAddressBook>

  <defaultEmailInbox id="inbox_folder">
    <name>INBOX</name>
    <description>inbox for email messages</description>
  </defaultEmailInbox>

  <defaultNotificationList id="default_notification_list">
    <name>Notifications</name>
```

```
        <description>folder for notification messages</description>
      </defaultNotificationList>

      <defaultSubscriptionList id="default_subscription_list">
        <name>Subscriptions</name>
        <description>folder for subscriptions</description>
      </defaultSubscriptionList>

      <entities>
        <folder id="documents_folder">
          <name>Documents</name>
          <description>folder for documents</description>
        </folder>
      </entities>

      <summary>
        <inlineSummary>
          <fileName>summary.html</fileName>
          <mediaType>text/html</mediaType>
          <body>
            &lt;title&gt;Personal Summary&lt;/title&gt;
            &lt;b&gt; Your Name Here &lt;/b&gt;
            &lt;p&gt; Edit this text to share information about yourself that you
            want others in your company to see. For example, you can place a little
            text here describing your current job role and projects that you are
            working on. &lt;/p&gt;
            &lt;p&gt; NOTE: You must apply Public sensitivity to this document in
            order for it to be viewed by other members of your company. &lt;/p&gt;
          </body>
        </inlineSummary>
      </summary>

  </body>

</personalWorkspaceTemplate>
```

Template Variables

You may specify parametric information with two kinds of template variables: system
defined and user defined.

System Defined Template Variable

Oracle Beehive Release 1 supports the following system defined template variables:

- `sys.workspace.name`: Value of the name element in the templateAttributes
  element

- `sys.workspace.description`: Value of the description element in the
  templateAttributes element

- `sys.workspace.owner.collabid`: The CEN of the workspace owner

User Defined Template Variable

Use the templateVariable element to define your own variables. The following is an
example of how to define a user defined template variable:

```
<templateVariable>
  <name>default-announcement-body</name>
  <description>Welcome new workspace memeber!</description>
```

```
</templateVariable>
```

The following is an example of how to use a system defined template variable (`sys.workspace.name`) and a user defined template variable (`default-announcement-body`):

```
<announcement>
  <subject>Welcome to workspace ${sys.workspace.name}</subject>
  <messageBody>
    <mediaType>text/plain</mediaType>
    <body>${default-announcement-body}</body>
  </messageBody>
</announcement>
```

Expressions

Expressions allow you to create variables that have references to other template variables and perform arithmetic operations on them. Two types of expressions are available: arithmetic expressions and temporal expressions.

Arithmetic Expressions

An arithmetic expression consists of two operands and an arithmetic operator. The operands may be a template variable, a constant, or another arithmetic expression. The operator may be plus, minus, or product.

Temporal Expressions

A temporal expression evaluates to a specific time or instant. It consists of a template variable, an operator, and an offset:

- The template variable refers to a specific time or instant.

- The operator may be either plus or minus.

- The offset is a constant or an arithmetic expression that specifies a duration of time to add or subtract (depending on the operator) from the template variable. It supports the time units hour, minute, second, or millisecond. The default time unit is millisecond.

The following is an example of a temporal expression that sets the due time of a task named `One Day Later`:

```
<templateVariable>
  <name>task_reference_start_time_variable</name>
</templateVariable>

<todo>

  <name>One Day Later</name>
  ...
  <dueTime>
    <temporalExpression>
      <templateVariableRef>
        ${task_reference_start_time_variable}
      </templateVariableRef>
      <operator>PLUS</operator>
      <offset timeUnit="HOUR">24</offset>
    </temporalExpression>
  </dueTime>
  ...
</todo>
```

The following is an example of a temporal expression that sets the start time of a task named `End of Vacation`:

```
<templateVariable>
  <name>beginning_of_vacation</name>
</templateVariable>

<templateVariable>
  <name>vacation_days</name>
</templateVariable>
...
<todo>
  <name>End of Vacation</name>
  ...
  <startTime>
    <temporalExpression>
      <templateVariableRef>${total_vacation_hours}</templateVariableRef>
      <operator>PLUS</operator>
      <offset timeUnit="HOUR">
        <expression>
          <leftOperand>
            <value>${vacation_days}</value>
          </leftOperand>
          <operator>PRODUCT</operator>
          <rightOperand>
            <value>24</value>
          </rightOperand>
        </expression>
      </offset>
    </temporalExpression>
  </startTime>
      ...
</todo>
```

Sample Workspace Templates

The directory `<Oracle home>/beehive/templates/workspaces` contains the following sample workspace templates:

- `add_category_template1.xml`: Adds a category at the root level with no attributes

- `add_category_template2.xml`: Creates a category with attributes

- `add_subcategory_template.xml`: Creates a subcategory

The `workspaces` directory also contains the XSD file `category.xsd` that defines the structure of workspace templates.

ace

Access Control Entity, grants or restricts the access type specified by the grantAccessType and denyAccessType elements, respectively.

Table 1–45   Elements of ace

Element Name	Min.	Max.	Description
grantAccessType	1	1	Enumerated type, grants one of the following access types: ■ READ: Permission to open or read the object ■ WRITE: Permission to add, alter, or make changes to the object. Note that version control preserves previous versions, so WRITE access does not itself provide DELETE access. ■ DELETE: Permission to delete the object ■ EXECUTE: Permission to invoke or assign the object or cause it to perform its function ■ DISCOVER: Permission to see the object in lists, look it up in directories, find it in searches, and so forth. When DISCOVER privileges are revoked, a user cannot detect the existence of that object using any Oracle Beehive client process
denyAccessType	1	1	Same as grantAccessType, except denies one of the five access types
accessor	0	unbounded	

accessor

Specifies for whom the ACE applies (such as a user, or members of a specified group).

One, and only one, of the elements in the following table must appear:

Table 1–46   Elements of accessor

Element Name	Min.	Max.	Description
systemDefinedGroupName	0	1	Enumerated type, ALL_USERS
cen	0	1	String, reference to an existing accessor
subgroupTemplateBodyId	0	1	IDREF, ID of a template defined in the template itself

Table 1–47   Attributes of accessor

Attribute Name	Description
type	Enumerated value, one of the following: ■ GROUP ■ USER

address

Table 1–48   Elements of address

Element Name	Min.	Max.	Description
uri	1	1	String
type	0	1	Enumerated value
defaultForScheme	0	1	Boolean
defaultForType	0	1	Boolean
primary	0	1	Boolean

type

Enumerated value, one of the following:

- BUSINESS_1
- BUSINESS_2
- BUSINESS_3
- BUSINESS_4
- BUSINESS_5
- OTHER_1
- OTHER_2
- OTHER_3
- OTHER_4
- OTHER_5
- PERSONAL_1
- PERSONAL_2
- PERSONAL_3
- PERSONAL_4
- PERSONAL_5

addressBook

Table 1–49   Elements of addressBook

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
personContact	0	unbounded	
subAddressBook	0	unbounded	addressBook
ace	0	unbounded	

personContact

Table 1–50   Elements of personContact

Element Name	Min.	Max.	Description
givenName	1	1	String
middleName	0	1	String
familyName	0	1	String
nickname	0	1	String
profession	0	1	String
company	0	1	String
peopleListEntry	0	1	Boolean
priority	0	1	
address	0	unbounded	
ace	0	unbounded	

attributes (body of personalWorkspace)

Table 1–51   Elements of attributes (body of personalWorkspace)

Element Name	Min.	Max.	Description
name	1	1	Promptable Non-Empty String (type)
description	0	1	String

attributes (body of teamWorkspace)

In Oracle Beehive Release 1, you cannot specify workspace contact with workspace templates.

Table 1–52   Elements of attributes (body of teamWorkspace)

Element Name	Min.	Max.	Description
name	1	1	Promptable Non-Empty String (type)
description	0	1	String
publiclyListed	0	1	Boolean
participationMode			Enumerated value, either INVITE_ONLY or OPEN

body (personalWorkspaceTemplate)

Table 1–53   Elements of body (personalWorkspaceTemplate)

Element Name	Min.	Max.	Description
publicSensitivityTemplateBodyId	0	1	IDREF, ID of a public sensitivity template defined in the workspace template
defaultSensitivityTemplateBodyId	0	1	IDREF, ID of a sensitivity template defined in the workspace template

Table 1–53   (Cont.) Elements of body (personalWorkspaceTemplate)

Element Name	Min.	Max.	Description
attributes	0	1	attributes (body of personalWorkspace)
sensitivity	0	unbounded	
defaultAddressBook	0	1	addressBook
defaultCalendar	0	1	calendar
defaultEmailInbox	0	1	folder
defaultNotificationList	0	1	folder
defaultTaskList	0	1	taskList
defaultSubscriptionList	0	1	folder
entities	0	1	
summary	0	1	
ace	0	unbounded	

body (teamWorkspaceTemplate)

Table 1–54   Elements of body (teamWorkspaceTemplate)

Element Name	Min.	Max.	Description
publicSensitivityTemplateBodyId	0	1	IDREF, ID of a public sensitivity template defined in the workspace template
defaultSensitivityTemplateBodyId	0	1	IDREF, ID of a sensitivity template defined in the workspace template
defaultRoleTemplateBodyId	0	1	IDREF
attributes	0	1	attributes (body of teamWorkspace)
address	0	unbounded	
role	0	unbounded	
sensitivity	0	unbounded	
group	0	unbounded	
participant	0	unbounded	
defaultAnnouncementsForum	0	1	forum
defaultAddressBook	0	1	addressBook
defaultCalendar	0	1	calendar
defaultInbox	0	1	folder
defaultTaskList	0	1	taskList
entities	0	1	
summary	0	1	
publicSummary	0	1	summary
ace	0	unbounded	

calendar

In Oracle Beehive Release 1, you cannot specify time zone and available hours with workspace templates.

Table 1–55   Elements of calendar

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
defaultPriority	0	1	priority
inheritTimeZoneFromOwner	0	1	
allowDoubleBooking	0	unbounded	Boolean
includeInFreeBusy	0	1	Boolean
deriveAvailableHoursFromOwnerWorkingHours	0	1	Boolean
enrollmentType	0	1	Enumerated value, may be either PUBLC or PRIVATE.
occurrence	0	unbounded	
occurrenceSeries	0	unbounded	
ace	0	unbounded	

occurrence

Table 1–56   Elements of occurrence

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
priority	0	1	
location	0	1	
startTime	0	unbounded	Boolean
endTime	0	1	Boolean
occurenceType	0	1	Enumerated value, either DAY_EVENT, HOLIDAY, or MEETING
dialInInfo	0	1	String
organizer	0	1	accessor
participant	0	unbounded	accessor
ace	0	unbounded	

occurrenceSeries

In Oracle Beehive Release 1, you cannot specify time zone and available hours with workspace templates.

Table 1–57   Elements of occurrenceSeries

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
priority	0	1	
location	0	1	
occurrenceType	0	unbounded	Enumerated value, either DAY_EVENT, HOLIDAY, or MEETING
dialInInfo	0	1	String
updateMode	0	1	Enumerated value, one of the following ■ SERIES_AND_ALL_OCCURRENCES ■ SERIES_AND_NON_DIRECTLY_ MODIFIED_EXCEPTIONS ■ SERIES_ONLY

frequency	1	1	Contains one element with the following structure:
			
			`<enumeratedFrequency>`
			`  <startEndTime>`
			`    <startTime/>`
			`    <endTime/>`
			`  </startEndTime>`
			`</enumeratedFrequency>`
			
			The enumeratedFrequency element must contain one to any number of startEndTime elements.
			The startEndTime element must contain one startTime and one endTime element.
			The elements startTime and endTime are of type Promptable Template Time (type).

duration	1	1	Must have one of the following elements: ■ templateVariableRef: String ■ length: Integer May contain one of the following attributes: ■ prompt: Boolean ■ promptMessage: String
organizer	0	unbounded	accessor
participant	0	unbounded	accessor
ace	0	unbounded	

contentLocation

Table 1–58   Elements of contentLocation

Element Name	Min.	Max.	Description
contentID	1	1	String
location	1	1	String

entities

Table 1–59   Elements of entities

Element Name	Min.	Max.	Description
folder	0	unbounded	
calendar	0	unbounded	
taskList	0	unbounded	
forum	0	unbounded	
file	0	unbounded	

environment

Specifies entities that should be available in the ancestor scopes of the workspace. If no matching entity is available for any specified entity at the time of workspace creation, a new entity will be created in the parent scope, provided the current user has the required privileges.

Table 1–60   Elements of environment

Element Name	Min.	Max.	Description
label	0	unbounded	

label

Table 1–61   Elements of label

Element Name	Min.	Max.	Description
name	1	1	String
description	1	1	String

expression

Table 1–62   Elements of expression

Element Name	Min.	Max.	Description
leftOperand	1	1	Contains one element named value. The value element may be a constant (a numerical value), a template variable or another expression. Refer to "Template Variables".
operator	1	1	PLUS, MINUS, or PRODUCT.
rightOperand	1	1	Contains one element named value. The value element may be a constant (a numerical value) a template variable, or another expression. Refer to "Template Variables".

file

Table 1–63   Elements of file

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
content	0	1	Contains one element, contentID, a string. The element contentID is a reference to content ID in contentID-file-path map defined at the beginning of the template.
ace	0	unbounded	

folder

Also represents defaultEmailInbox, defaultNotificationList, and defaultSubscriptionList.

Table 1–64   Elements of folder

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
versionControlConfiguration	0	1	
entities	0	1	
ace	0	unbounded	

versionControlConfiguration

Table 1–65   Elements of versionControlConfiguration

Element Name	Min.	Max.	Description
versionControlModel	1	1	String
maxVersionsToKeep	0	1	Unsigned integer
autoLabel	0	1	Boolean
labelFormat	0	1	Enumerated type, one of the following values: ■ DECIMAL_FORMAT ■ INTEGER_FORMAT ■ LOWER_CASE_FORMAT ■ ROMAN_NUMERAL_FORMAT ■ UPPERCASE_FORMAT
isFinal	0	1	Boolean

forum

Table 1–66   Elements of forum

Element Name	Min.	Max.	Description
name	1	1	String

Table 1–66 (Cont.) Elements of forum

Element Name	Min.	Max.	Description
description	0	1	String
incrementViewCount	0	1	Boolean
subForum	0	unbounded	Same as forum
topic	0	unbounded	
announcement	0	unbounded	
ace	0	unbounded	

topic

Table 1–67 Elements of topic

Element Name	Min.	Max.	Description
subject	1	1	String
messageBody	1	1	String
ace	0	unbounded	

announcement

Table 1–68 Elements of announcement

Element Name	Min.	Max.	Description
subject	1	1	String
messageBody	0	1	String
activatesOn	0	1	Promptable Template Time (type)
expiresOn	0	1	Promptable Template Time (type)
ace	0	unbounded	

messageBody

Table 1–69 Elements of messageBody

Element Name	Min.	Max.	Description
mediaType	1	1	String
body	1	1	String

group

Table 1–70 Elements of group

Element Name	Min.	Max.	Description
name	1	1	String
description	1	1	String

label

Table 1–71 Elements of label

Element Name	Min.	Max.	Description
name	1	1	String
description	1	1	String

location

Table 1–72 Elements of location

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String

participant

Table 1–73 Elements of participant

Element Name	Min.	Max.	Description
identity	1	1	
role	0	unbounded	

identity

Table 1–74 Elements of identity

Element Name	Min.	Max.	Description
systemDefinedGroup Name	0	1	Either this element or cen must appear Enumerated value: ALL_USERS
cen	0	1	String, either this element or systemDefined GroupName must appear

Table 1–75 Attributes of identity

Attribute Name	Description
type	Required attribute, enumerated value, may have a value of GROUP or USER.

role

Table 1–76 Elements of role

Element Name	Min.	Max.	Description
cen	1	1	String, reference to an existing role
entityTemplateBodyId	1	1	IDREF, reference to a role ID specified in the template itself

personalWorkspaceTemplate

Table 1–77   Elements of personalWorkspaceTemplate

Element Name	Min.	Max.	Description
templateAttributes	1	1	
contentLocation	0	unbounded	
templateVariable	0	unbounded	
environment	0	1	
body	1	1	body (personalWorkspaceTemplate)

priority

Enumerated value, one of the following:

- HIGH
- MEDIUM
- LOW
- NONE

Promptable Non-Empty String (type)

The attributes prompt and promptMessage can be used for providing hints to GUI tools for template exploration. In Oracle Beehive Release 1, these attributes have no other semantic effect.

Table 1–78   Elements of Promptable Non-Empty String (type)

Attribute Name	Description
prompt	Boolean, optional.
promptMessage	String, optional

Promptable Template Time (type)

Table 1–79   Elements of Promptable Template Time (type)

Element Name	Min.	Max.	Description
templateVariableRef	0	1	String, either this element or offset may appear
offset	0	1	Integer, offset in milliseconds with respect to entity creation time Either this element or templateVariableRef may appear

Table 1–80   Attributes of Promptable Template Time (type)

Attribute Name	Description
prompt	Boolean, optional
promptMessage	String, optional

role

Table 1–81   Elements of role

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
grantPrivilege	0	unbounded	Enumerated type
grantAccessType	0	unbounded	Enumerated type, one of the following: ■ READ ■ WRITE ■ DELETE ■ EXECUTE ■ DISCOVER
denyAccessType	0	unbounded	Same as grantAccessType

grantPrivilege

Enumerated value, one of the following

- ARCHIVE_MGR
- AUDIT_ADMIN
- AUDITOR
- BYPASS
- CALENDAR_MGR
- CALENDAR_USER
- CONF_MGR
- CONF_USER
- DIAGNOSE
- DM_MGR
- EMAIL_MGR
- EMAIL_USER
- EXCEED_QUOTA
- FORUM_MGR
- FORUM_USER
- IM_MGR
- IM_USER
- LOGIN
- MARKER_MGR
- MODIFY_ACL
- NOTIFICATION_MGR
- NOTIFICATION_USER

- ORGANIZATION_MGR

- POLICY_MGR

- PROTOCOL_USER

- QUOTA_MGR

- READALL

- RESOURCE_MGR

- ROLE_MGR

- SECURITY

- SUBSCRIPTION_MGR

- SUBSCRIPTION_USER

- SYSTEM_OPER

- TASK_MGR

- TASK_USER

- TIMEZONE_MGR

- USER_MGR

- VERSION_MGR

- VOICE_USER

- WORKFLOW_MGR

- WORKFLOW_TASK_MGR

- WORKSPACE_ADD

- WORKSPACE_MGR

sensitivity

Table 1–82   Elements of sensitivity

Element Name	Min.	Max.	Description
name	1	1	String
description	1	1	String
sensitivityOnly	1	1	Boolean
delegatable	1	1	Boolean
ace	0	unbounded	

summary

Also represents the publicSummary element.

Table 1–83   Elements of summary

Element Name	Min.	Max.	Description
uri	0	1	String, either this element or inlineSummary must exist. Use this element for template variables.

Table 1–83 (Cont.) Elements of summary

Element Name	Min.	Max.	Description
inlineSummary	0	1	Either this element or uri must exist

inlineSummary

Table 1–84 Elements of inlineSummary

Element Name	Min.	Max.	Description
filename	1	1	String
mediaType	1	1	String
body	1	1	String

teamWorkspaceTemplate

Table 1–85 Elements of teamWorkspaceTemplate

Element Name	Min.	Max.	Description
templateAttributes	1	1	
contentLocation	0	unbounded	
templateVariable	0	unbounded	
body	1	1	body (teamWorkspaceTemplate)

templateAttributes

Table 1–86 Elements of templateAttributes

Element Name	Min.	Max.	Description
author	1	1	String, this could be different than the creator attribute of the template entity if, for example, the template is created by a third-party vendor
authorCreationTime	1	1	String, this could be different than the createdOn attribute of the template entity if, for example, the template is created by a third-party vendor
contactInfo	0	1	String, more specifically, how to contact the vendor who created this template
copyrightInfo	0	1	String
description	1	1	String
name	1	1	String
templateId	1	1	String
domain	0	1	String

templateVariable

Table 1–87   Elements of templateVariable

Element Name	Min.	Max.	Description
name	1	1	String, name of the user defined template variable
type	0	1	String
description	0	1	String, value assigned to the user defined template variable
defaultValue	0	1	String, integer, or dateTime This value is assigned to the user defined template variable unless the user explicitly chooses a different value at the time of template instantiation. Note: defaultValue is not honored in Oracle Beehive Release 1.

temporalExpression

Refer to "Expressions" for more information.

Table 1–88   Elements of templateVariable

Element Name	Min.	Max.	Description
templateVariableRef	1	1	String, name of the user defined template variable
operator	1	1	One of PLUS or MINUS.
offset	1	1	A constant (a numerical value) or an value of type expression. You may optionally specify the attribute timeUnit. It may have the value HOUR, MINUTE, SECOND, or MILLISECOND. The default value is MILLISECOND.

taskList

In Oracle Beehive Release 1, you cannot specify time zone with workspace templates.

Table 1–89   Elements of taskList

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
defaultPriority	0	1	priority
inheritTimeZoneFromOwner	0	1	Boolean
todo	0	unbounded	todo
ace	0	1	

todo

In Oracle Beehive Release 1, you cannot specify iCalPriority, status, url, or iCalUid with workspace templates.

Table 1–90   Elements of todo

Element Name	Min.	Max.	Description
name	1	1	String
description	0	1	String
priority	0	1	
location	0	1	
startTime	0	unbounded	Promptable Template Time (type) or temporalExpression
dueTime	0	1	Promptable Template Time (type) or temporalExpression
organizer	0	1	accessor
participant	0	unbounded	accessor
ace	0	unbounded	

2

Oracle Beehive Command Line Utility

This module contains instructions on the usage and syntax for all commands shipped with the Oracle Beehive beectl utility. The utility is installed in the `$ORACLE_HOME/beehive/bin` directory.

The Oracle Beehive beectl utility is always used in conjunction with a qualifying command. This module contains instructions about each command, and its available options. When running a beectl command, the following syntax should be used:

```
beectl command --option <argument>
```

Where *command* represents the beectl command, *--option* represents an available option(s) to use with the command, and *<argument>* represents a valid argument passed with an option.

Using beectl Commands in Shell Mode Without Authentication

The beectl commands can also be used in shell mode. To invoke the shell, run the beectl utility without any qualifying commands. The following shell prompt will be returned on the command-line:

```
beectl>
```

Once this prompt appears on the command-line, there is no need to specify beectl when using a command.

> **Note:** The beectl shell expires if inactive for more than 30 minutes.

Execution Permissions of beectl

The following applies only to Linux and UNIX-based operating systems.

Operating system users with the same primary membership as the owner of the Oracle Beehive application tier file system may call beectl commands. The following are the exceptions to this:

- If the `root` user does not own the files of the Oracle Beehive application tier, `root` may not call any `beectl` commands.

- Commands that change the structure of the Oracle Beehive application tier (such as adding or deleting OC4J instances, services, and service instances; cloning; and synchronizing system configuration information in the Oracle Beehive application tier's configuration files) and perform process control commands (such as starting and stopping components) cannot be called by any user other than the owner of the Oracle Beehive application tier file system.

New and Changed Commands

The following tables, Table 2–1 and Table 2–2, list new and changed commands in Oracle Beehive 1.5, compared to Oracle Beehive 1.4.3.

Table 2–1   New beectl Commands in Oracle Beehive 1.5

Utility	Function
add_team_workspace_template_application	Transforms the given team workspace to conform to the given team workspace template
delete_device	Deletes the device with the given identifier.
delete_feed_configuration	The delete_feed_configuration command deletes feed configuration.
delete_xmpp_chat_rooms	This command is used to delete an XMPP chat room by name (if it exists, else it is a NOOP) specified by the --roomname option. Room-names are case insensitive. This command can also be used to delete those XMPP chat rooms which have not been accessed for a period of days specified by the --olderthan option.
list_feed_configurations	The list_feed_configurations command lists the feed configurations in the given scope.
list_patch_informations	Lists the patch information for given archives.
list_schema_clones	Search the ocs_clone_registry table based on the specified options and display the matched clone records.
list_schemas	Search the ocs_schema_registry table based on the specified options and display the matched schema records.
list_user_subscriptions	List user subscriptions
modify_im_preferences	Modifies existing instant message preferences of a user.
modify_patch_information	Add, append or removes the patch information from the given archives.
send_broadcast_im_message	Sends Instant Message to all online users.
validate_site_key	Validates the given site key.

Table 2–2   Changed beectl Commands in Oracle Beehive 1.5

Utility	Change
add_feed_configuration	In --feedtype, added new type 'ANNOUNCEMENT'
add_user	Changed --property to '<name=value=description>'; removed (certificate | notes)
add_user_subscription	Clarified syntax of --rule, with new examples
clone_midtier	Added --site_key
clone_oc4j_instance	Added --cold_mode
clone_site	Added --site_key
delete_coexistence_profile	Added --email; removed --select_by_name, --select_by_address, --select_by_authuser
delete_device_profile	Added --profile_name, --file
download_deployment_templates	Command removed
export_configuration_data	Added --file, --only_custom_values; removed --output_directory

Table 2–2   (Cont.) Changed beectl Commands in Oracle Beehive 1.5

Utility	Change
import_coexistence_data	Removed --select_by_name, --select_by_address, --select_by_authuser
list_bootstrap_configuration	Added --display_internal_details
list_coexistence_profiles	Added --email; removed --data_type, --select_by_name, --select_by_address
list_coexistence_status	Removed --task, --email, --user; added --tasklist, --message_inbox, --profile
list_commands	Added --all_visibilities; removed --deprecated, --all
list_components	In --configuration_version, removed (proposed | active)
list_configuration_versions	Added --configuration_version
list_deployment_templates	Added --internal, --deprecated
list_external_contacts	Added --match; in --property, removed 'profession' as a valid name
list_ports	Added 'OC4J-JGROUP-RANGE' as a valid port value
list_resources	Added --show
list_statistics	Added --advanced, --all_visibilities
list_users	Added --match, --manager, --extended_enterprise_user, --is_locked; in --property, removed (certificate | notes) as names; in --status, removed 'locked'
list_workspaces	Added --countLimit
modify_bootstrap_configuration	Added --site_key, --regenerate
modify_coexistence_profile	Added --email, --force_retry; removed --select_by_name, --select_by_address, --select_by_authuser
modify_deployment_structure	Added --cold_add_delete, --cold_upgrade, --do_not_restart_at_end; removed --custom_service_parameter, --oc4j_admin_password
modify_external_contact	Removed 'profession' as a valid --property name
modify_feed_configuration	Added valid --feedtypes 'ANNOUNCEMENT', 'FOLDER'
modify_port	Added 'OC4J-JGROUP-RANGE' as a valid port
modify_user	Added 'USER' as valid --lock and --unlock option; removed (certificate | notes) as valid --property names; removed 'locked' as valid --status; removed 'ALL' as valid --lock and --unlock option
upload_deployment_templates	Command removed
version	Added valid --product values: 'alarm', 'caldav', 'collabcoex', 'rds', 'tzs', 'wiki', 'workspaces-client'

Summary of Commands

The following tables list all the available beectl commands.

Table 2–3   Category: access control

Utility	Function
add_assigned_role	Creates an AssignedRole entity.
add_local_ace	Adds an Access Control Entry (ACE) to an entity's Local Access Control List (LACL).
add_role_definition	Creates a RoleDefinition entity.
add_sensitivity	Creates a Sensitivity entity.
add_sensitivity_ace	Adds an Access Control Entry (ACE) to a Sensitivity entity's Sensitivity ACL (SACL).
delete_assigned_role	Deletes an AssignedRole entity.
delete_local_ace	Deletes an Access Control Entry (ACE) from the Local Access Control List (LACL) of an entity.
delete_role_definition	Deletes a RoleDefinition entity.
delete_sensitivity	Deletes a Sensitivity entity.
delete_sensitivity_ace	Deletes an Access Control Entry (ACE) from the Sensitivity Access Control List (SACL) of a Sensitivity entity.
list_access_control_fields	Lists the AccessControlFields of an entity.
list_access_types	Lists available access type names and identifiers.
list_assigned_roles	Lists AssignedRole entities.
list_local_acl	Lists the Local Access Control List (LACL) of an entity.
list_privileges	Lists available Privilege names.
list_role_definitions	Lists RoleDefinition entities.
list_sensitivities	Lists Sensitivity entities.
list_sensitivity_acl	Lists the Sensitivity Access Control List (SACL) of a Sensitivity.
modify_access_control_fields	Modifies the AccessControlFields of an existing entity.
modify_assigned_role	Modifies an existing AssignedRole entity.
modify_local_ace	Replaces an Access Control Entry (ACE) in the Local Access Control List (LACL) of an entity.
modify_role_definition	Modifies an existing RoleDefinition entity.
modify_sensitivity	Modifies an existing Sensitivity entity.
modify_sensitivity_ace	Replaces an Access Control Entry (ACE) in the Sensitivity Access Control List (SACL) of a Sensitivity entity.

Table 2–4   Category: audit

Utility	Function
add_audit_policy	Creates an audit policy from the XML file information
add_audit_template	Creates an audit policy template from the XML file information
add_audit_trail	Creates an audit trail from the search result generated using the XML file
delete_audit_policy	Deletes an existing audit
delete_audit_template	Deletes an existing audit policy template
delete_audit_trail	Deletes an existing audit trail
export_audit_trail	Exports an existing audit trail by the given identifier
list_audit_events	Lists auditable events
list_audit_policies	Lists audit policies and prints policy information
list_audit_templates	Lists audit policy templates and prints template information. Use --name option for detailed information about each audit policy template

Table 2–4   (Cont.)   Category: audit

Utility	Function
list_audit_trails	Lists audit trails and prints trail information
modify_audit_policy	Modifies an existing audit policy
modify_audit_trail	Modifies an existing audit trail
validate_audit_trail	Validates an existing audit trail

Table 2–5   Category: client application

Utility	Function
add_attendant	Adds an auto attendant or copies an existing one under a new name. When copying any prompts will also be copied.
add_client_application_configuration	Creates a client application configuration object from a supplied input file. The resulting object will be used for client application provisioning.
add_client_application_provisioning	Provisions client applications to a community.
add_voice_enterprise	Creates a voice enterprise with the given name.
add_voice_facility	Creates a voice facility by associating phone rules with an already created group. The command may be run multiple times and each new execution will append new rules to existing rules for a given group CollabID.
delete_attendant	Deletes an auto attendant by name.
delete_attendant_prompt	Deletes a prompt.
delete_client_application	Deletes a client application.
delete_client_application_configuration	Deletes the client application configuration with the given identifier.
delete_client_application_patchset	Deletes a client application patch set.
delete_client_application_provisioning	De-provisions client applications from a community.
delete_client_application_version	Deletes a client application version.
delete_voice_enterprise	Deletes a voice enterprise with the given ID.
delete_voice_facility	Removes specific rules or all rules for a given group CollabID. To remove specific rules, then the list the rules to remove in the parameter options. To remove all rules only specify the CollabID
export_client_application_configuration	Exports a client application configuration to a local file.
list_attendant_aaml	Prints the Auto Attendant Markup Language for an auto attendant.
list_attendant_prompts	Lists all prompts that have been uploaded for an attendant.
list_attendants	Lists all attendants in the system.
list_client_application_configuration	Lists the client application configurations.
list_client_application_modules	Lists the modules for a given client application patch set.
list_client_application_patchsets	Lists the patch sets for a given client application version.
list_client_application_versions	Lists all the versions for a given client application.
list_client_applications	Lists all the client applications.
list_voice_facilities	The list command shows all of the facilities, their CollabIDs and phone number matching rules. The command accepts three optional parameters to help refine the search, if no parameters are specified, then all facilities are presented.
modify_attendant	Update an existing attendant with a new markup file or rename it.

Table 2–5 (Cont.) Category: client application

Utility	Function
modify_ip_phone_password_seed	Resets the seed of the password generator for IP phones. To send commands to an IP phone the requestor must be authenticated. The password is generated based on information in the phone but must be seeded to ensure security.
upload_attendant_prompt	Upload a prompt to the database.
upload_client_application	Uploads client application binaries to the repository. Either a binary file path or path to a directory containing binary files should be specified.

Table 2–6 Category: cloning

Utility	Function
clone_midtier	Top level clone command that clones a Application tier.
clone_oc4j_instance	Creates a new OC4J instance by cloning the given OC4J instance.
clone_preparation	Prepares the existing oracle home for cloning.
clone_site	Top level clone command that clones a Application tier in a new deployment (i.e., site). This command is part of the Deployment Cloning solution. Please see the administrator guide for details.

Table 2–7 Category: coexistence

Utility	Function
add_coexistence_system	Creates a new coexistence remote collaboration system.
delete_coexistence_profile	Deletes the coexistence profile of user.
delete_coexistence_system	Deletes a coexistence remote collaboration system. WARNING: This command will purge the remote collaboration system and clean all related data.
import_coexistence_data	Import data from the remote collaboration system for a given user.
list_coexistence_connectors	Lists all coexistence connectors for 3rd party collaboration systems.
list_coexistence_profiles	Lists the profile of coexisting users.
list_coexistence_status	Reports the status of the coexisting containers and coexistence profiles.
list_coexistence_systems	Lists all coexistence remote collaboration systems.
modify_coexistence_profile	Create or modify the coexistence profile of a user.
modify_coexistence_system	Modifies a coexistence remote collaboration system.

Table 2–8 Category: configuration

Utility	Function
activate_configuration	Saves proposed configuration and activate it.
add_blocked_device	Creates a blocked device. The system object identifier of the resulting object needs to be added to the 'DeviceManagementService' system object, using modify_property command, to block this device from accessing Beehive Mobile Services.
add_coexistence_system	Creates a new coexistence remote collaboration system.
add_dmz_home_instance	Creates configuration for a Beehive installation in the DMZ that is, outside the firewall.
add_external_bpel_pm	Creates system model objects for External BPEL process manager and a corresponding BPEL Cluster
add_search_recovery_container	Adds/updates the recovery_id for the specified container
add_urm	Configures an agent for a URM instance.

Table 2–8   (Cont.)   Category: configuration

Utility	Function
add_virus_scan_engine	Adds a new virus scan engine to the collection of engines configured for the Site. If this is the first scan engine being added, this command will create a new collection for the Site and add the virus scan engine to it.
append_value	Appends the specified value to the existing value of the named property. If the named property value is cleared before executing this command, then after executing this command it will contain the new value.
clear_proposed_configuration	Clears proposed configuration of the Beehive system object model
clone_midtier	Top level clone command that clones a Application tier.
clone_oc4j_instance	Creates a new OC4J instance by cloning the given OC4J instance.
clone_preparation	Prepares the existing oracle home for cloning.
clone_site	Top level clone command that clones a Application tier in a new deployment (i.e., site). This command is part of the Deployment Cloning solution. Please see the administrator guide for details.
delete_coexistence_system	Deletes a coexistence remote collaboration system. WARNING: This command will purge the remote collaboration system and clean all related data.
delete_dmz_home_instance	Removes configuration for a Beehive installation in the DMZ that is, outside the firewall.
delete_property	Clears the value of specified property in the configuration object identified by specified ID.
delete_virus_scan_engine	Deletes specified virus scan engine from the collection of engines configured for the Site. If this is the last scan engine being deleted, this command will also delete the virus scan engine collection and update the Site to remove the virus scan engine collection from it. Either the scan_engine option or the host name and port options will need to be specified.
download_language_pack	Exports language pack resources managed by the Beehive deployment. The exact resources exported and the output destination details are controlled by command options.
export_configuration_data	Exports configuration data for given configuration version.
list_bootstrap_configuration	Displays bootstrap configuration for local Application tier.
list_components	Lists components in the configuration repository.
list_configuration_versions	Lists all available configuration versions and activation time information
list_connection_pools	Lists available connection pools in the system.
list_deployment_templates	Lists the available deployment templates in central configuration repository
list_language_pack	Displays summarized informations for the resources in language pack. The search criteria can include a combination of string contained in the resource name, locale of the resource, type of resource (built-in or custom). Note that only resources matching ALL (as compared to ANY) specified search criteria are displayed.
list_patch_informations	Lists the patch information for given archives.
list_ports	Lists various available ports.
list_properties	Prints property value of a component given a component identifier and property name. If property name is not specified then all the properties will be listed.
list_property_metadata	Lists the metadata about all the properties of a system model object.
list_search_recovery_status	Lists the status and reports on how many containers need to be recovered
modify_bootstrap_configuration	Modify the connect string or credentials for the central configuration repository also known as bootstrap database. Misconfiguration will result in Application tier and site being not operable.
modify_coexistence_system	Modifies a coexistence remote collaboration system.
modify_connection_pool	Modifies the connection pool configuration.

Table 2–8   (Cont.)   Category: configuration

Utility	Function
modify_database	Modifies given database configuration.
modify_deployment_structure	This command applies the specified template(s) to the local BeehiveInstance. Execute beectl list_deployment_templates command to view the available templates.
modify_hostname	Modifies the configuration repository for host name of the system and updates required configuration files.
modify_local_configuration_files	This command updates configuration files local to current Application tier with activated changes to centralized configuration. It can restart one or more components on current Application tier if needed to make the changes take effect. Some updates to local configuration files require this command to restart all Application tier components.
modify_patch_information	Add, append or removes the patch information from the given archives.
modify_port	Modifies various ports.
modify_property	Modifies the value(s) of a named property of the component identified by --component. Multiple values can be set for one property.
modify_search	Create system model objects for Search and configure them
modify_secure_property	This command updates the sensitive property of the system model object identified by the --component.
modify_virus_scan_policy	Modifies the virus scan policy configured for the Site. Valid values for the scan policy are: NO_SCAN_OR_REPAIR, SCAN_ONLY, SCAN_AND_REPAIR. Default is NO_SCAN_OR_REPAIR.
upload_language_pack	Loads language pack resources into the system.
validate_configuration	Validates the configuration for given component ID or for the whole system model tree.
validate_site_key	Validates the given site key.
validate_virus_scan_engine_connectivity	Tests the connectivity to the virus scan engine running at the specified host and port.

Table 2–9   Category: contents

Utility	Function
add_filesystem_reference	Creates a reference in Beehive to a directory on the file system.
delete_filesystem_reference	Removes a file system reference from Beehive.
import_documents	Imports documents into Beehive from files on the server without copying the file content. Data on the server files will be treated as read-only; should an imported document be edited in Beehive, a copy of the content will be made at that time.
list_filesystem_references	Lists the file system path, read-only status, and identifier of all available file system references.

Table 2–10   Category: devices

Utility	Function
add_blocked_device	Creates a blocked device. The system object identifier of the resulting object needs to be added to the 'DeviceManagementService' system object, using modify_property command, to block this device from accessing Beehive Mobile Services.
add_device_command	Creates a device command for a given device.
delete_device	Deletes the device with the given identifier.

Table 2–10   (Cont.)   Category: devices

Utility	Function
delete_device_profile	Deletes the device profile or device profiles. The command can delete the device profile with the given identifier or with the given device profile name or delete the device profiles specified from the given file containing names of the device profiles. The command can also optionally delete all the device types associated with this device profile.
delete_device_type	Deletes the device type with the given identifier.
download_device_logs	Downloads the logs for a device. This command can either all log files for a device or all log files for a given application on the device or a particular log file.
download_syncml_messages	Downloads SyncML messages.
download_syncml_sessions	Downloads SyncML messages.
list_device_commands	Lists the device commands for a given device. The list can be further filtered by specifying the status of the device command.
list_device_logs	Lists the device logs for a given device.
list_device_profiles	Lists all the device profiles.
list_device_types	Lists all the device types.
list_devices	Lists the devices for a user.
upload_device_profiles	Uploads device profiles to the repository. An XML file or a directory containing XML files can be used as the source for the device profiles. The file can also contain device types and device profile schema.

Table 2–11   Category: language packs

Utility	Function
download_language_pack	Exports language pack resources managed by the Beehive deployment. The exact resources exported and the output destination details are controlled by command options.
list_language_pack	Displays summarized informations for the resources in language pack. The search criteria can include a combination of string contained in the resource name, locale of the resource, type of resource (built-in or custom). Note that only resources matching ALL (as compared to ANY) specified search criteria are displayed.
upload_language_pack	Loads language pack resources into the system.

Table 2–12   Category: messaging

Utility	Function
delete_xmpp_chat_rooms	This command is used to delete an XMPP chat room by name (if it exists, else it is a NOOP) specified by the --roomname option. Room-names are case insensitive. This command can also be used to delete those XMPP chat rooms which have not been accessed for a period of days specified by the --olderthan option.
modify_email_port	Modifies Email service' SMTP or IMAP port number
modify_email_queue	Enables or disables Email asynchronous queue processing
modify_im_preferences	Modifies existing instant message preferences of a user.
send_broadcast_im_message	Sends Instant Message to all online users.

Table 2–13   Category: organizations

Utility	Function
add_organization	Creates an organization in the given scope
delete_organization	Deletes an existing organization
list_enterprises	Lists all enterprises and prints names and identifiers
list_organizations	Lists organizations in the given scope
modify_enterprise	Modifies an existing enterprise
modify_organization	Modifies an existing organization

Table 2–14   Category: policies

Utility	Function
add_event_subscription	Creates an event subscription using data in an XML file.
add_policy	Creates a policy using data in an XML file.
add_policy_schema	Creates a policy schema using data in an XML file.
add_policy_template	Creates a policy template using data in an XML file.
delete_event_subscription	Deletes an event subscription from the Oracle Beehive repository.
delete_failed_action_events	Purge actions that have not completed successfully.
delete_policy	Deletes a policy.
delete_policy_action	Deletes a policy action.
delete_policy_schema	Deletes a policy schema.
delete_policy_template	Deletes a policy template.
export_policy	Exports policy data into an XML file.
list_events	Lists all business object events.
list_failed_action_events	List actions that have not completed successfully.
list_policies	Lists policies in an specific container. Details returned include policy names and identifiers.
list_policy_actions	Lists all policy actions.
list_policy_schemas	Lists policy schemas in the current enterprise. Details returned include policy schema names and identifiers.
list_policy_templates	Lists policy templates in a specified container. Details returned include policy template names and identifiers.
modify_failed_action_events	Retry actions that have not completed successfully.
modify_policy	Modifies an existing policy using data in an XML file.
modify_policy_schema	Modifies an existing policy schema using data in an XML file.
modify_policy_template	Modifies an existing policy template using data in an XML file.
validate_policy	Evaluates or executes a policy based on an event payload file.

Table 2–15   Category: process control

Utility	Function
modify_search_engine	Starts or stops the search crawl process for a specific source type
restart	Manages OC4J Instances, Beehive Transport Infrastructure Monitors and Oracle HTTP servers components. The command "beectl status" displays the component ID and the status of these manageable components.

Table 2–15   (Cont.)   Category: process control

Utility	Function
start	Manages OC4J Instances, Beehive Transport Infrastructure Monitors and Oracle HTTP servers components. The command "beectl status" displays the component ID and the status of these manageable components.
status	Displays the status of all managed components.
stop	Manages OC4J Instances, Beehive Transport Infrastructure Monitors and Oracle HTTP servers components. The command "beectl status" displays the component ID and the status of these manageable components.

Table 2–16   Category: real time

Utility	Function
add_conference	Creates conference artifact under workspace
add_conference_template	Creates conference-template artifact under workspace
delete_conference	Deletes conference artifact under workspace
delete_conference_template	Deletes conference template artifact under workspace
list_conference_templates	Lists conference-template artifacts under workspace
list_conferences	Lists conference artifacts under workspace
list_my_conferences	Lists conference artifacts under workspace

Table 2–17   Category: records

Utility	Function
add_record	Adds a record or non-record.
delete_record	Deletes a record or non-record.
list_file_plan	Lists the file plan.

Table 2–18   Category: resources

Utility	Function
add_resource	Creates a new resource.
delete_resources	Deletes a resource.
list_resources	Lists resources.
modify_resource_classifications	This command set the given category as resource root classification.
modify_resources	Modifies an existing resource.

Table 2–19   Category: security

Utility	Function
add_trusted_identity	This command registers a trusted identity. There are two types of trusted identities: WSSEC and SES. Default type is WSSEC. For WSSEC type, please make sure that the service has a valid certificate registered in the wallet and the correct associated key alias is passed into this command. This command(s) also creates the principal(s) associated with this trusted identity in the Beehive system. On the other hand, for SES type, this command stores the given trusted identity name and password information.

Table 2–19   (Cont.) Category: security

Utility	Function
delete_trusted_identity	This command unregisters a trusted identity. If the type of identity is not specified, it is defaulted to WSSEC.
list_trusted_identity	This command lists the trusted identities. The type has to be specified. For type SES, it lists the names of the trusted entities.
modify_trusted_identity	This command modifies the details of the trusted identity. At least one of the options new_service_name or new_key_alias need to be specified for this modification if the type is WSSEC. If the type of identity is not specified, it is defaulted to WSSEC.

Table 2–20   Category: subscription

Utility	Function
add_user_subscription	Creates a user subscription from a pre-defined rule in a subscription template.
list_user_subscriptions	List user subscriptions
modify_user_subscription	Enables or disables an existing subscription

Table 2–21   Category: templates

Utility	Function
modify_notification_template	Modifies a specified notification template for the Notification service.

Table 2–22   Category: timemanagement

Utility	Function
export_icalendar	Export invitations and assignments from a calendar and/or task list to an iCalendar file.
import_icalendar	Import an iCalendar file to an existing calendar and/or task list. If an iCalendarObject has a UID that already exists in the destination calendar and/or task list it will be re-created. VCALENDAR components can have many VEVENT and VTODO sub-components with different UIDs but sub-components of the same UID must be consecutive. A VCALENDAR component imported with a METHOD:X-ORACLE-DELETE or METHOD:CANCEL will cause all sub-components to be deleted.
list_calendars	Lists the existing calendars of a user, resource or workspace.
list_tasklists	Lists existing task lists of a user, resource or workspace.

Table 2–23   Category: timezones

Utility	Function
import_timezones	Imports time zone definitions to the database.
list_timezones	Lists time zones in the database. The list can be limited by common time zones or by time zone names.
modify_timezones	Modify a time zone.

Table 2–24   Category: users

Utility	Function
add_custom_user_property	The add_custom_user_property command adds custom user properties.
add_directory_profile	The add_directory_profile command adds a new directory profile.
add_external_contact	The add_external_contact command adds new external contact.
add_feed_configuration	The add_feed_configuration command adds new feed configurations.

Table 2–24   (Cont.)   Category: users

Utility	Function
add_group	The add_group command adds new groups. The group information is supplied in an XML file.
add_preference_profile	The add_preference_profile command adds a new preference profile and associates it with a consumer. There can be only one preference profile for a consumer.
add_preference_property	The add_preference_property command adds a new preference property to a preference set.
add_preference_set	The add_preference_set command adds a preference set to a preference profile.
add_user	The add_user command adds new users. The user information is supplied either on command line or in an XML file.
delete_coexistence_profile	Deletes the coexistence profile of user.
delete_custom_user_property	The delete_custom_user_property command deletes a custom property. If there are multiple custom properties with same name, then only the first occurrence of the attribute with specified name is deleted. Any values of the property being deleted will also be deleted.
delete_directory_profile	The delete_directory_profile command deletes a directory profile.
delete_external_contact	The delete_external_contact command deletes an external contact with an option to purge.
delete_feed_configuration	The delete_feed_configuration command deletes feed configuration.
delete_group	The delete_group command deletes a group with an option to purge.
delete_preference_profile	The delete_preference_profile command deletes a preference profile.
delete_preference_property	The delete_preference_property command deletes a preference property from a preference set.
delete_preference_set	The delete_preference_set command deletes a preference set.
delete_user	The delete_user command deletes a user with an option to purge.
download_ldap_group_data	The download_ldap_group_data command downloads groups information for an external directory into an XML file. The generated XML file can be used with add_group command to create the groups.
download_ldap_user_data	The download_ldap_user_data command downloads user information for an external directory into an XML file. The generated XML file can be used with add_users command to create the users.
list_coexistence_profiles	Lists the profile of coexisting users.
list_custom_user_properties	The list_custom_user_properties command lists all custom properties of users.
list_directory_profiles	The list_directory_profiles command lists directory profiles in an XML file.
list_external_contacts	The list_external_contacts command lists contacts that match specified search criteria. If search criteria are not specified, then all contacts are listed. It also lists the details of the contact(s) whose identifier is specified.
list_feed_configurations	The list_feed_configurations command lists the feed configurations in the given scope.
list_groups	The list_groups command lists groups that match specified search criteria. If search criteria are not specified, then all groups are listed.
list_max_address_count	The list_max_address_count command lists the maximum number of addresses of an address type that can be set for a given person-contact, group-contact or resource-contact in an address-book. The address types determine the type of address like BUSINESS, PERSONAL and OTHER. This command also lists the system defined maximum limit, which cannot be exceeded.
list_preference_profiles	The list_preference_profiles command lists preference profiles for a consumer.

Table 2–24   (Cont.) Category: users

Utility	Function
list_preference_properties	The list_preference_properties command lists all effective preference properties of a preference set.
list_preference_sets	The list_preference_sets command lists all preference sets for a preference profile.
list_users	The list_users command lists users that match specified search criteria. If search criteria are not specified, then all users are listed.
modify_change_number	Modifies the changelog number of a profile.
modify_coexistence_profile	Create or modify the coexistence profile of a user.
modify_directory_profile	The modify_directory_profile command modifies an existing directory profile. Modification to the profile name cannot be done.
modify_external_contact	The modify_external_contact command modifies existing external contact.
modify_feed_configuration	The modify_feed_configuration command modifies existing feed configurations.
modify_group	The modify_group command modifies a group. The group information is supplied in an XML file.
modify_max_address_count	The modify_max_address_count command modifies maximum number of addresses of an address type that can be set for a given person-contact, group-contact or resource-contact in an address-book. The address types determine the type of address like BUSINESS, PERSONAL & OTHER. The maximum count specified in this command must be less than the system defined maximum limit, which can be determined by running list_max_address_count command.
modify_preference_set	The modify_preference_set command modifies the preference set by setting the extends from attribute.
modify_user	The modify_user command modifies existing users.
validate_directory_entry	Validates the directory entry in LDAP with corresponding entry in Oracle Beehive. The directory entry can be of type user, group or external person. The command provides an option to correct any data inconsistencies by applying necessary changes in Oracle Beehive. The state of the profile specified in this command can either be ENABLE or DISABLE.

Table 2–25   Category: utilities

Utility	Function
delete_virus_scan_results	Deletes virus scan results from the system that match the specified criteria. Option scandate cannot be specified with options scandate_from or scandate_to.
export_errorcodes	Search for occurrences of error codes
export_filesystem_logs	Search log files stored on host machines.
export_logs	With an option of refreshing the repository first, query the repository to get relevant log records from log files stored on host machines.
list_command_metadata	Lists all the metadata about given command.
list_commands	Lists the command names based on the given criteria.
list_errorcode_catalog	List all error code definitions in Oracle Beehive.
list_schema_clones	Search the ocs_clone_registry table based on the specified options and display the matched clone records.
list_schemas	Search the ocs_schema_registry table based on the specified options and display the matched schema records.
list_statistics	Lists the statistics for a given type or component or for the entire site.

Table 2–25   (Cont.)   Category: utilities

Utility	Function
list_supported_entity_types	Prints the supported entity types which can be used in business object distinguished naming pattern instead of system generated identifier and their description.
list_virus_scan_results	Lists the virus scan results that match the specified criteria. Only a count of the matches found will be displayed if the option to list only the counts is specified. Option count_only cannot be specified with options maximum_results or display_columns. Option scandate cannot be specified with options scandate_from or scandate_to.
obfuscate	Obfuscates the prompted string.
version	This command shows the version information of the Beehive products.

Table 2–26   Category: workflows

Utility	Function
add_workflow_schema	Deploys a workflow and seeds workflow information.
add_workflow_template	Creates a workflow template using data in an XML file.
delete_workflow_schema	Deletes a workflow schema.
delete_workflow_template	Deletes a workflow template.
export_workflow_template	Exports a workflow template into an XML file.
list_workflow_schemas	Lists workflow schemas.
list_workflow_templates	Lists workflow templates deployed in a container. Details returned include workflow template names and identifiers.
list_workflows	List all workflows for which the active user has privileges. Specify user and status options for filtering.

Table 2–27   Category: workspace

Utility	Function
add_category	Creates a category at the enterprise scope
add_category_application	Applies a category on a given entity
add_category_configuration	Creates a category configuration on the given scope or heterogeneous folder.
add_team_workspace	Creates a team workspace from a template
add_team_workspace_template_application	Transforms the given team workspace to conform to the given team workspace template
add_version_configuration	Creates a version configuration on the given scope or heterogeneous folder.
add_workspace_template	Creates a workspace template in an organization or enterprise
delete_category	Deletes a category and all category applications.
delete_category_application	Removes a category from an entity
delete_category_configuration	Deletes a given category configuration.
delete_team_workspace	Deletes an existing team workspace
delete_version_configuration	Deletes a given version configuration.
delete_workspace_template	Deletes an existing workspace template
download_workspace_template_schema	Downloads workspace template XML schema to a file
list_categories	Lists the categories in the enterprise.If the recurse option is used then sub-categories are also listed.
list_category	Prints information about a category given a category identifier

Table 2–27   (Cont.)   Category: workspace

Utility	Function
list_category_configuration	Lists the category configuration on the given scope or heterogeneous folder.
list_version_configuration	Lists the version configuration on the given scope or heterogeneous folder.
list_workspace_templates	Lists all workspace templates
list_workspaces	Lists workspaces in an organization or enterprise
modify_category	Modifies an existing category
modify_category_configuration	Updates a given category configuration.
modify_personal_workspace	Modifies an existing personal workspace
modify_team_workspace	Modifies an existing team workspace
modify_version_configuration	Updates a given version configuration.
modify_workspace_template	Modifies an existing workspace template

Common Options

The beectl command options can be broken down into two types: common options, and command specific options. This section describes common options that can be used with any beectl command.

The following is a complete list of common options for all beectl commands:

--format

Specify the output format type. Valid options are `multiline`, `xml`, `table`, and `tiled`. The default format is `multiline`.

--separator

Specify the separator to use when formatting an output type of `tiled` with the **--format** option. Any character may be used as a separator. The default separator is "`|`".

--entity_format

Specify display format of the entity. Valid entity format options are `name`, `id`, and `name_and_id`. Default format is `name`.

--timezone_id

Specify the time zone to use if any date and time information is returned by the command. To determine a time zone ID, use the `list_timezones` command.

--no_confirmation

Allow the command to be executed without prompting for any confirmation. This option applies only to remove and delete commands.

--version

Print the version information of a beectl command. This option does not require an argument.

--help

Print a usage message.

--log_level

Specify the logging level. Valid arguments for this option are: `FINEST`, `FINER`, `FINE`, `CONFIG`, `INFO`, `WARNING`, `SEVERE`, `ERROR`, `INTERNAL_ERROR`, `NOTIFICATION`, and `TRACE`. If no log level is specified, the default, `INFO`, will be used. This option cannot be used while in shell mode or batch mode. Specify the option when invoking either mode.

--logdir

Specify the full path to the log directory. The default value is `ORACLE_HOME/beehive/logs/beectl/`. This option cannot be used while in shell mode or batch mode. Specify the option when invoking either mode.

--batchfile

Specify the full path and file name of a batch file. Commands and options can be specified in a file and passed with this option for batch processing.

--continue

Force Oracle Beehive to continue with the next command when using the **--batchfile** option. The next command will be executed regardless of the exit code of the previous command.

--activate_configuration

Commands that deal with updating the system object model make use of this option to determine if they need to save their modification to the configuration system.

--no_wrap

If specified, the cell values in the tabular format output of a command will not be wrapped.

--no_stagger

If specified, the columns of the tabular format output of a command will not be staggered.

--column_format

Specify customized column format string. For example, `10%10%20%`. This option is applicable only to commands that have tabular output. If not specified or an incorrect value is specified, it will be ignored, and the maximum content length for each column will be used to set column width.

--terminal_width

Modify the default terminal width. By default, the terminal width is 80 characters.

--obfuscated

Specify this option when all passwords passed with the command are obfuscated.

--authuser

Specify the user name for beectl commands requiring authentication.

--authpassword

Specify the user password for the user specified with the **--authuser** option. The argument for this option must be obfuscated using the **--obfuscated** if passed on the command line.

Notes: Option arguments should not start with a hyphen (-). If an option argument needs to start with hyphen, use one of the following options:

- Use the *<option name>*=*<option value>* format; this is the preferred way to specify option values starting with hyphens.

- Prefix the option value with string ESCAPE:.

- Prefix the option value with an escaped backslash (\\). This is the least preferred way. This may not work in some operating systems; it does not work in Microsoft Windows.

Option values should not contain the any special characters (such as *, $, and %). If an option value contains a special character, then enclose the option value in double quotes (").

System Object Identifiers

System model objects in the system model can be uniquely identified with the following mechanisms:

System Object Identifier

A unique identifier assigned to each system model object at the time of creation. The system object identifier is read-only and it cannot be changed. For example, 8ae5c0e8-02c8-429e-9773-186e6a79997b.

Built-In Alias

A unique, built-in alias is assigned to certain system model objects at the time of creation. Built-in alias names are read-only and it cannot be changed. For example, _CURRENT_SITE refers to the current site system model object and _CURRENT_ENTERPRISE refers to the current enterprise system model object.

User Defined Alias

You can assign a unique user defined name to each system model object. Oracle Beehive ensures that all user defined aliases are unique. The user defined alias are mutable and can be modified at any point of time. For example, oracle_smtp_service can refer to an SMTP service system model object.

Encoded System Object Identifier

To refer to a system model objects that lies deep in the system model hierarchy, use the following syntax:

        <unique ID>[:*<property name>*][:*<property name>*][:*<property name>*]

<unique ID> is a system object identifier, built-in alias, or user defined alias of a system model object, and *<property name>* is a valid property name of the preceding model object. The type of property should be a system model object.

For example, the following command list the properties of the logging properties of the database of the current site:

```
beectl list_properties --component _CURRENT_SITE:Database:LoggingProperties
```

Providing Secure Values

The following are the available methods to provide secure values, such as passwords, to a command:

Prompt

Only provide the option (without providing the secure value). The beectl tool will prompt you for the secure value. Some commands may ask you to reconfirm the secure value.

Obfuscate

Obfuscate the secure value with the obfuscate command. Use the obfuscated value for the option that requires the secured value along with the common option **--obfuscated**.

Clear Text

To provide secure values in clear text, run commands in beectl shell mode.

Tabular Output

The following options allow you to control the display of tabular output:

--no_wrap

Specify that content wrapping will not be applied to cell values.

--no_stagger

Specify that columns will not be staggered. By default, columns will not be staggered if there are three or less columns.

--column_format

Specify the column widths (in chars) for each column. This value will be ignored if number of columns given in this option do not match the number of columns in the resultant table. The following is an example of this option:

```
 beectl list_property_metadata
    --type ManagementService
    --full_report
    --column_format 10%10%10%10%10%
```

```
-----------+------------+------------+------------+---------------------------
Property n | Property T | Metadata   | Short desc | Long descr
ame        | ype        |            | ription    | iption
-----------+------------+------------+------------+---------------------------
AutoSyncSa | int        | Not ReadOn | [Short des | [Long desc
veListener |            | ly-Mutable | cription k | ription ke
SleepInter |            | -Mandatory | ey not set | y not set.
valInSecon |            |            | .]         | ]
ds         |            |            |            |
-----------+------------+------------+------------+---------------------------
```

. . .

You may not specify this option with **--no_stagger** or **--no_wrap**.

--terminal_width

Specify the terminal width of the terminal in which you are running the beectl tool. Specify this option if you have resized your terminal to more than 80 character widths and you want the command output to fit the entire width of your terminal. The Default (minimum) value for terminal width is 80.

Boolean Values

If an option requires a boolean value (either `true` or `false`), and you specify the option without specifying a value, the command assumes a value of `true` for the option.

activate_configuration

Saves proposed configuration and activate it.

SYNTAX

```
beectl activate_configuration
```

OPTIONS

This command has no options

EXAMPLES

```
beectl activate_configuration
```

add_assigned_role

Creates an AssignedRole entity.

SYNTAX

```
beectl add_assigned_role [--scope <unique identifier of the Scope>] --name <name
of AssignedRole> [--description <description>] --assigned_scope <assigned_unique
identifier of the Scope> --role_definition <unique identifier of the
RoleDefinition> [[--accessor <unique identifier of an Accessor>]...]
```

OPTIONS

--scope

Specify the unique identifier of the Scope in which the AssignedRole should be created.

--name

Specify the name of the AssignedRole.

--description

Specify a description for the AssignedRole.

--assigned_scope

Specify the unique identifier of an assigned Scope for the AssignedRole.

--role_definition

Specify the unique identifier of an assigned RoleDefinition for the AssignedRole.

--accessor

Specify the unique identifier of an Accessor to add to the AssignedRole. This option can be specified more than once.

EXAMPLES

```
beectl add_assigned_role --scope
wksp=MyWorkspace,enpr=MyEnterprise --name MyAssignedRole
--assigned_scope wksp=MyWorkspace,enpr=MyEnterprise --role_
definition
acrd=MyRoleDefinition,wksp=MyWorkspace,enpr=MyEnterprise
```

add_attendant

Adds an auto attendant or copies an existing one under a new name. When copying any prompts will also be copied.

SYNTAX

```
beectl add_attendant { --file <AAML file> | --name <new name> --copy_from
<existing attendant> }
```

OPTIONS

--file

An auto-attendant markup language file describing the attendant to be added. When specified, name and copy_from must be specified.

--name

Name to be given to copied attendant. When specified, copy_from must also be specified and file must not be specified

--copy_from

Name of attendant to copy. When specified, copy_from must also be specified and file must not be specified

EXAMPLES

```
beectl add_attendant --file example.aaml
```

```
beectl add_attendant --name copiedAttendant --copy_from
someAttendant
```

add_audit_policy

Creates an audit policy from the XML file information

SYNTAX

```
beectl add_audit_policy --file <Full path of the input file>
```

OPTIONS

--file
Full path name of the input XML file

EXAMPLES

```
beectl add_audit_policy --file /tmp/policy_ex.xml
```

add_audit_template

Creates an audit policy template from the XML file information

SYNTAX

```
beectl add_audit_template --file <Full path of the input file>
```

OPTIONS

--file
Full path of the input file

EXAMPLES

```
beectl add_audit_template --file /tmp/templ_ex.xml
```

add_audit_trail

Creates an audit trail from the search result generated using the XML file

SYNTAX

```
beectl add_audit_trail --file <Full path of the input file>
```

OPTIONS

--file
Full path name of the input XML file

EXAMPLES

```
beectl add_audit_trail --file /tmp/trail_ex.xml
```

add_blocked_device

Creates a blocked device. The system object identifier of the resulting object needs to be added to the 'DeviceManagementService' system object, using modify_property command, to block this device from accessing Beehive Mobile Services.

SYNTAX

```
beectl add_blocked_device --device <deviceid> [--description <description>]
```

OPTIONS

--device
Specify the local device identifier.

--description
Describe why the device is being blocked.

EXAMPLES

```
beectl add_blocked_device --device 981214
```

add_category

Creates a category at the enterprise scope

SYNTAX

```
beectl add_category --file <Full path of the category XML file>
```

OPTIONS

--file
Full path name of the XML file. The file must contain the properly formatted data to create the category

EXAMPLES

```
beectl add_category --file /tmp/category.xml
```

add_category_application

Applies a category on a given entity

SYNTAX

```
beectl add_category_application --category <Identifier of the category to be
applied>  -- entity <Identifier of the entity to which the category needs to be
applied>
```

OPTIONS

--category
Specify the identifier of the category.

--entity
Specify the identifier of an Oracle Beehive entity to which the category needs to be applied.

EXAMPLES
```
beectl add_category_application --category
catg=MyCategory,enpr=MyEnterprise --entity
adoc=MyDocument,fldr=MyFolder,wksp=MyWorkspace,enpr=MyEnterprise
```

add_category_configuration

Creates a category configuration on the given scope or heterogeneous folder.

SYNTAX
```
beectl add_category_configuration --container <Configuration scope or heterogenous
folder> --file <Full path of the configuration XML file>
```

OPTIONS

--container
Scope or heterogeneous folder on which the category configuration should be defined.

--file
Full path of the category configuration XML file. The file must contain properly
formatted data.

EXAMPLES
```
beectl add_category_configuration --container
orgn=MyOrganization,enpr=MyEnterprise --file
/tmp/configuration.xml
```

add_client_application_configuration

Creates a client application configuration object from a supplied input file. The
resulting object will be used for client application provisioning.

SYNTAX
```
beectl add_client_application_configuration --file <path to the XML file>
```

OPTIONS

--file
Specify the full path and name of the XML input file. The file should contain
information about how to create a client application configuration.

EXAMPLES
```
beectl add_client_application_configuration --file
/tmp/app-config.xml
```

add_client_application_provisioning

Provisions client applications to a community.

SYNTAX

```
beectl add_client_application_provisioning --community <community identifier>
{--configuration <client application configuration identifier>... | --all |
--application <Identifier of the client application> | --application_version
<Identifier of the client application version>}
```

OPTIONS

--community

Specify the identifier of the community.

--configuration

Specify the identifier of the client application configuration. This option can be specified more than once.

--all

Specify this option to provision the latest binaries (latest version and latest patch set) of all client applications to this community.

--application

Specify this option to provision the specified application to this community. This would make the latest binaries (latest version and latest patch set) to be available to the members of the provisioned community.

--application_version

Specify this option to provision the specified version to this community. This would make the latest patch set in the specified version to be available to the members of the provisioned community.

EXAMPLES

```
beectl add_client_application_provisioning --community
1234:5678:entr:2E0329B0705F0E40E040578C92160957000000000434
--configuration
1234:5678:capc:2E0329B0705F0E40E040578C92160957000000000434
--configuration
1234:5678:capc:2E0329B0705F0E40E040578C92160957000000000434

beectl add_client_application_provisioning --community
1234:5678:entr:2E0329B0705F0E40E040578C92160957000000000434
--all

beectl add_client_application_provisioning --community
1234:5678:entr:2E0329B0705F0E40E040578C92160957000000000434
--application
21EC:0AE5:capn:406E6CD925A8F087E040578C921636E5000000000979

beectl add_client_application_provisioning --community
1234:5678:entr:2E0329B0705F0E40E040578C92160957000000000434
--application_version
21EC:0AE5:capv:406E6CD925A8F087E040578C921636E5000000000979
```

add_coexistence_system

Creates a new coexistence remote collaboration system.

SYNTAX

```
beectl add_coexistence_system {--url <url> | --host_name <host_name> --port <port_
number> { --use_http | --use_https } } --sitekey [<obfuscated_sitekey>
--obfuscated] [--timezone_alias_namespace <timezone_alias_namespace>]
```

OPTIONS

--url
Specify the URL of the coexistence remote collaboration system.

--use_http
Specify that "HTTP" MUST be used for the coexistence remote collaboration system.

--use_https
Specify that "HTTPS" MUST be used for the coexistence remote collaboration system.

--host_name
Specify the host name of the coexistence remote collaboration system.

--port
Specify the port number used by the coexistence remote collaboration system.

--sitekey
Specify the sitekey of the coexistence remote collaboration system.

--timezone_alias_namespace
Specify the time zone alias namespace used by the coexistence remote collaboration system.

EXAMPLES

```
beectl add_coexistence_system --url https://www.example.com:7777
--sitekey
```

```
beectl add_coexistence_system --url https://www.example.com:7777
--sitekey
5YD7Dj9/AIEgWuuAzmb7o5TULTVzqO31uby7ZcOfIY4j/mPAxT83nc8+7RK281jQ
--obfuscated
```

```
beectl add_coexistence_system --host_name www.example.com --port
7777 --use_https --sitekey
```

add_conference

Creates conference artifact under workspace

SYNTAX

```
beectl add_conference --parent <Workspace identifier> --name <Conference name>
--template <Conference identifier>
```

OPTIONS

--parent
Workspace identifier

--name
Conference name

--template
Conference identifier

EXAMPLES
```
beectl add_conference --parent
6490:45C8:wspr:F20E3F75004040B5AE14B64B96F89C3A000000000022
--name MyConference --template
6490:45C8:owct:B3EABD85714E4DBDA92201A54EAE56C3000000002C2C
```

add_conference_template

Creates conference-template artifact under workspace

SYNTAX
```
beectl add_conference_template --parent <Workspace identifier> --name <Conference
name> --model <Conference or conference template identifier> --settings-xml-file
<Conference settings XML file>
```

OPTIONS

--parent
Workspace identifier

--name
Conference name

--model
Conference identifier

--settings-xml-file
Conference settings XML file

EXAMPLES
```
beectl add_conference_template --parent
6490:45C8:wspr:F20E3F75004040B5AE14B64B96F89C3A000000000022
--name Template_from_template --model
6490:45C8:owct:B3EABD85714E4DBDA92201A54EAE56C3000000002C2C

beectl add_conference_template --parent
6490:45C8:wspr:F20E3F75004040B5AE14B64B96F89C3A000000000022
--name Template_from_xmlfile --settings-xml-file /tmp/default_
```

```
settings.xml sample settings file: <settings> <roles> <role>
<name>Guests</name> <accessors> <accessor_
id>2FD3:6B7D:user:42B3D7467840404AA8ABF34BAE421CC5000000000000</
accessor_id> </accessors> <properties> <property>
<name>chat.can_enable</name> <value>
<permission>GRANTED</permission> </value> </property>
</properties> </role> </roles> </settings>
```

add_custom_user_property

The add_custom_user_property command adds custom user properties.

SYNTAX

```
beectl add_custom_user_property --name <property_name> --type <property_type> [
--description <description> ]
```

OPTIONS

--name

Name of the custom property

--type

Type of the property. Supported types are BOOLEAN, COLLABID, DATETIME,
DOUBLE, STRING.

--description

Description of the custom property.

EXAMPLES

```
beectl add_custom_user_property --name employeenumber --type
DOUBLE
```

add_device_command

Creates a device command for a given device.

SYNTAX

```
beectl add_device_command --device <identifier of the device> --action <device
command action>
```

OPTIONS

--device

Specify the identifier of the device. Use list_devices command to determine the
identifier of the device.

--action

Specify the action of the device command. The following are the valid command
actions: UPLOADLOG UPLOADCONFIG CHECKUPDATE WIPEOUT.

EXAMPLES
```
beectl add_device_command --device
1234:5678:devi:2E0329B0705F0E40E040578C92160957000000000434
--action CHECKUPDATE
```

add_directory_profile

The add_directory_profile command adds a new directory profile.

SYNTAX
```
beectl add_directory_profile --file <filename> [ --no_validate ]
```

OPTIONS

--file
XML file containing directory profile.

--no_validate
Skips the validation of profile against the directory server.

EXAMPLES
```
beectl add_directory_profile --file MyDirectoryProfile.xml
```
```
beectl add_directory_profile --file MyDirectoryProfile.xml --no_
validate
```

add_dmz_home_instance

Creates configuration for a Beehive installation in the DMZ that is, outside the firewall.

SYNTAX
```
beectl add_dmz_home_instance --hostname <host name> --bti_unique_id <unique ID for
BTI on this oracle home> --no_of_client_workers <number of client workers>
[--oracle_home <oracle home path>] [--opmn_request_port <OPMN request port>]
[--opmn_remote_port <OPMN remote port>] [--bti_server_port <BTI server port>]
[--instance_name <instance name>]
```

OPTIONS

--hostname
Host name of the machine.

--oracle_home
oracle home path.

--bti_unique_id
The site-wide unique identifier of BTI installed on the DMZ host. Please specify the value which is present in the oracle_home/beehive/conf/bti.properties file on the DMZ host.

--no_of_client_workers

This is the number of MX processes in the DMZ Application tier. The value of this parameter should be the value of "NumberOfClientWorkers" in $OH/beehive/conf/bti.properties in DMZ Application tier.

--opmn_request_port

OPMN request port

--opmn_remote_port

OPMN remote port

--bti_server_port

The server port.

--instance_name

instance name of DMZ Application tier

EXAMPLES

```
beectl add_dmz_home_instance --hostname dmzhost.example.com
--bti_unique_id 813130873 --no_of_client_workers 4
```

add_event_subscription

Creates an event subscription using data in an XML file.

SYNTAX

```
beectl add_event_subscription --file <full path to the event subscription xml
file>
```

OPTIONS

--file

Specify the absolute path of the XML file that contains data to create the event subscription.

EXAMPLES

```
beectl add_event_subscription --file
/private/xml/MyEventSubscription.xml
```

add_external_bpel_pm

Creates system model objects for External BPEL process manager and a corresponding BPEL Cluster

SYNTAX

```
beectl add_external_bpel_pm --oc4j_instance_name <name> --oc4j_admin_password
<obfuscated password> --domain <domain name> --domain_password <obfuscated domain
password> --OBFUSCATED --bpel_application_name <BPEL application name> --bpel_
admin_password <obfuscated BPEL administrator password> --host_name
<hostname>--opmn_port<opmn request port>
```

OPTIONS

--oc4j_instance_name
OC4J instance name.

--oc4j_admin_password
OC4J admin password.

--bpel_admin_password
BPEL administrator password.

--domain
Domain ID of the BPEL process

--domain_password
Domain password of the BPEL process manager.

--bpel_application_name
BPEL application name.

--host_name
Host name of the machine.

--opmn_port
The OPMN Request Port to administer AS11g managed OC4J.

EXAMPLES

```
beectl add_external_bpel_pm --oc4j_instance_name oc4j_soa
--oc4j_admin_password pwd234 --domain domain.com--domain_
password pwdefrfrfr4 --bpel_application_name orabpel --bpel_
admin_password pwdefrfrfrfrf --host_name host.example.com
--opmn_port 1243
```

add_external_contact

The add_external_contact command adds new external contact.

SYNTAX

```
beectl add_external_contact    --family_name <[locale:]family name>    [
--family_name <[locale:]family name> ... ]    [ --scope <identifier of contacts
parent> ]    [ --given_name <[locale:]given name> ... ]    [ --display_name
<[locale:]display name> ... ]    [ --middle_name <[locale:]middle name> ... ]
[ --job_title <[locale:]job title> ... ]    [ --prefix <[locale:]prefix> ... ]
[ --suffix <[locale:]suffix> ... ]    [ --nick_name <[locale:]nick name> ... ]
[ --office_location <office location of the contact> ]    [ --company <company of
the contact> ]    [ --profession <profession of the contact> ]    [ --timezone
<timezone of the contact> ]    [ --locale <locale of the contact> ]    [
--department <department of the contact> ]    [ --organization <organization
identifier> ... ]    [ --property
<name(assistant|certificate|notes)=value=description> ... ]    [ --address <type
of address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value>
... ]    [ --default_address_for_type <type of address(business_1|other_
5|personal_4|proxy_1|...):scheme(im|mailto|...):value> ]    [ --default_address_
```

```
for_scheme <type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ]     [ --primary_address <type of
address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value> ]
```

OPTIONS

--family_name
Family name of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--scope
Identifier of the enterprise under which this contact will be created.

--given_name
Given name of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--display_name
Display name of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--middle_name
Middle name of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--job_title
Job title of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--prefix
Prefix of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--suffix
Suffix of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--nick_name
Nick name of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--office_location
Office location of the contact.

--company

Company of the contact.

--profession

Profession of the contact.

--timezone

time zone of the contact. list_timezones lists the valid time zones

--locale

Locale details of the contact. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--department

Department of the contact.

--organization

Identifiers of the organizations the contact belongs to.

--property

Details of the property in the format name=value=description. Supported names are certificate, assistant and notes. Note, no equals to symbol(=) should be present in the name or value or description.

--address

Address of the contact in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--default_address_for_type

Address of the contact in the format type:scheme:value. Sets the specified address as the default for the specified type. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--default_address_for_scheme

Address of the contact in the format type:scheme:value. Sets the specified address as the default for the specified scheme. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:

l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--primary_address

Primary address of the contact in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

EXAMPLES

```
beectl add_external_contact --family_name Contact1FamilyName
--scope enpr=example
```

```
beectl add_external_contact --family_name Contact1FamilyName
--given_name Contact1GivenName --display_name "Contact1
GivenName" --organization orgn=contact1orgn,enpr=contact1enpr
```

```
beectl add_external_contact --family_name Contact1FamilyName
--scope enpr=example --address BUSINESS_
1:mailto:contact1@example.com --address BUSINESS_2:fax:121345222
```

```
beectl add_external_contact --family_name Contact1FamilyName
--scope enpr=example --property prop1:prop1Value
```

add_feed_configuration

The add_feed_configuration command adds new feed configurations.

SYNTAX

```
beectl add_feed_configuration    {        --name <name>        --scope <scope
identifier>        --feedtype <feed type >        --title <title >
--description <description>          [--image <image >]          [--language
<Language >]        [--copyright <Copyright >]        [--webmaster <Webmaster >]
}
```

OPTIONS

--name
Name of the feed configuration.

--scope
Scope in which the feed configuration will be created

--feedtype
Feed type of the feed configuration. Permitted values are ANNOUNCEMENT, FORUM, FOLDER, LABEL, RECENT, TOPIC and VERSION.

--title
Title associated the feed configuration

--description
Description associated the feed configuration

--image
Image associated with this feed configuration

--language
Language associated with the feed configuration

--copyright
Copyright associated with the feed configuration

--webmaster
Webmaster associated with the feed configuration

EXAMPLES
```
beectl add_feed_configuration --name FeedConfigName --scope
enpr=example --feedtype RECENT --title MyFeedConfiguration
--description This is my feed configuration.


beectl add_feed_configuration --name MyWorkspaces --scope
enpr=example --feedtype RECENT --title
WorkspaceFeedConfiguration --description This is a recent
workpsace feed. --image WorkspaceLogo.gif --language en
```

add_filesystem_reference

Creates a reference in Beehive to a directory on the file system.

SYNTAX
```
beectl add_filesystem_reference --name <Filesystem reference name> --filesystem_
path <Server path> --read_only <true or false>
```

OPTIONS

--name
Name to give to this file system reference.

--filesystem_path
Fully-qualified path on the file system to which this reference should point.

--read_only

Whether the referenced file system directory should be treated as read-only by Beehive.

EXAMPLES

```
beectl add_filesystem_reference --name MyFilesystemReference
--filesystem_path /usr/local/bin --read_only true
```

add_group

The add_group command adds new groups. The group information is supplied in an XML file.

SYNTAX

```
beectl add_group --file <filename> [ --ldapbootstrap ]
```

OPTIONS

--file

Filename of the XML file containing group definition.

--ldapbootstrap

LDAP bootstrap flag. If this flag is specified, then UDS groups will be created with directory locator and directory ID. This is relevant only when --file option is used.

EXAMPLES

```
beectl add_group --file MyGroup.xml
```

```
beectl add_group --file MyGroup.xml --ldapbootstrap
```

add_local_ace

Adds an Access Control Entry (ACE) to an entity's Local Access Control List (LACL).

SYNTAX

```
beectl add_local_ace --entity <unique identifier of the entity> --accessor <unique
identifier of the Accessor> [--access_types <access types string>]
```

OPTIONS

--entity

Specify the unique identifier of the entity to which the ACE will be added.

--accessor

Specify the Accessor to whom the access types will apply.

--access_types

Specify the access types string for the Accessor.

EXAMPLES

```
beectl add_local_ace --entity
adoc=MyDocument,wksp=MyWorkspace,enpr=MyEnterprise --accessor
loginid=MyUser --access_types +RW-D
```

add_organization

Creates an organization in the given scope

SYNTAX

```
beectl add_organization --name <Organization name> --scope <Identifier of
enterprise or organization>
```

OPTIONS

--name
Name of the organization

--scope
Identifier of the parent scope (enterprise or organization)

EXAMPLES

```
beectl add_organization --name Sample_organization --scope
9941:2345:enpr:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

add_policy

Creates a policy using data in an XML file.

SYNTAX

```
beectl add_policy --file <full path to the policy xml file>
```

OPTIONS

--file
Specify the absolute path of the XML file that contains the policy data.

EXAMPLES

```
beectl add_policy --file /private/xml/MyPolicy.xml
```

add_policy_schema

Creates a policy schema using data in an XML file.

SYNTAX

```
beectl add_policy_schema --file <full path to the policy schema xml file>
```

OPTIONS

--file

Specify the absolute path of the XML file that contains the policy schema data.

EXAMPLES

```
beectl add_policy_schema --file /private/xml/MyPolicySchema.xml
```

add_policy_template

Creates a policy template using data in an XML file.

SYNTAX

```
beectl add_policy_template --file <full path to the policy template xml file>
```

OPTIONS

--file

Specify the absolute path of the XML file that contains the policy template data.

EXAMPLES

```
beectl add_policy_template --file
/private/xml/MyPolicyTemplate.xml
```

add_preference_profile

The add_preference_profile command adds a new preference profile and associates it with a consumer. There can be only one preference profile for a consumer.

SYNTAX

```
beectl add_preference_profile --consumer <identifier> --name <profile-name> [
--description <description> ]
```

OPTIONS

--consumer

Identifier of the consumer

--name

Name of the preference profile to be created.

--description

Description of preference profile.

EXAMPLES

```
beectl add_preference_profile --consumer loginid=user1 --name
MyProfile
```

add_preference_property

The add_preference_property command adds a new preference property to a preference set.

Supported types are:

IDENTIFIABLE

IDENTIFIABLE_LIST

STRING

STRING_LIST

INTEGER

INTEGER_LIST

BOOLEAN

BOOLEAN_LIST

DATE

DATE_LIST

URI

URI_LIST

FLOAT

FLOAT_LIST

SYNTAX

```
beectl add_preference_property --set <identifier> --name <property-name> --type
<string | date | ... | identifiable> [ --value <property-value> ] [ --file
<file-name> ] [ --final ]
```

OPTIONS

--set
Identifier of the preference set specified in ID format, which can be determined by running list_preference_sets command with "--entity_format id" option.

--name
Name of the preference property.

--type
Type of preference property.

--value
Value of preference property.

--file
File name for business hours type preference property.

--final
Whether the preference property be overridden in extended property.

EXAMPLES
```
beectl add_preference_property --set
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000979
--name MyProperty --type integer --value 100 --final

beectl add_preference_property --set
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000979
--name MyProperty --type integer_list --value 100 --value 200
--value 300 --final
```

add_preference_set

The add_preference_set command adds a preference set to a preference profile.

SYNTAX
```
beectl add_preference_set --parent <preference-profile-identifier> --name
<preference-set-name> [ --extends <preference-set-identifier> ]
```

OPTIONS

--parent
Identifier of the preference profile to which the preference set is added.

--name
Name of the preference set.

--extends
Identifier of the preference set from which the new preference set is extended.

EXAMPLES
```
beectl add_preference_set --parent prfp=MyProfile,loginid=user1
--name MyPreferenceSet
```

add_record

Adds a record or non-record.

SYNTAX
```
beectl add_record --artifact <identifier of the artifact to be filed as a record
or non-record> { --retention_category <identifier of the URM retention category> |
--record_folder <identifier of the URM record folder> } [ --no_retention <boolean
specifying a record or non-record> ]
```

OPTIONS

--artifact
identifier of the artifact to be filed as a record or non-record

--retention_category
identifier of the URM retention category

--record_folder

identifier of the URM record folder

--no_retention

boolean specifying a record or non-record

EXAMPLES

```
beectl add_record --artifact myArtifact --retention_category
myRetentionCategory --no_retention
```

add_resource

Creates a new resource.

SYNTAX

```
beectl add_resource --name <name> --email_address <email address> --resource_type
<type>          [--scope <organization>] [--capacity <capacity>] [--identifier
<identifier>]          [--phone_number <phone_number>] [--website <website>]
[--postal_address <postal address>]          [--timezone <timezone name>]
[--location <location>]  [--add_approver <approverid>]          [--description
<description>]  [--booking_info <booking info>]          [--booking_characteristics
<[O]pen>|<[F]CFS>] [--custom_processing <[T]rue>|<[F]alse>]          [--accessible_
by <everyone | nobody | groupid | userid> ]    beectl add_resource --external
--name <name> --email_address <email address> --resource_type <type>
[--scope <organization>] [--capacity <capacity>]          [--phone_number <phone_
number>] [--website <website>] [--postal_address <postal address>]
[--timezone <timezone name>] [--location <location>] [--booking_info <booking
info>]          [--description <description>]
```

OPTIONS

--name

Define the unique name of the resource.

--enterprise

Deprecated option. Use --scope instead.

--resource_type

Specify the type of the resource. Specify "E", "Equipment", "O", "Other", "R" or "Room", case insensitive.

--bookableresource_type

Deprecated option. Use --resource_type instead.

--email_address

Specify the BUSINESS_1 e-mail address of the resource.

--phone_number

Specify the BUSINESS_1 phone number of the resource.

--website

Specify the BUSINESS_1 web site of the resource.

--postal_address

Specify the BUSINESS_1 postal address of the resource. The required format is: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country>. All fields are optional but at least one field must appear in a valid address of this type. For example, orapostal:l1=1, Main Street is a valid address. The ? character must not be encoded when used as a separator; it must be encoded in all other cases. For example orapostal:l1=1?l2=Which Street%3F?code=12345 is a valid address; but orapostal:l1=1?l2=Which Street??code=12345 is not a valid address because the question mark appearing as part of the address "Which Street?" is not encoded.

--identifier

Specify the identifier of the resource. The identifier can be used as an alternative to the name: such as a room or serial number.

--capacity

Specify the capacity of the resource.

--external

Create the resource as an external resource. If this option is not specified, a BookableResource will be created.

--add_approver

Resource approver to add.

--booking_characteristics

Specify resource default calendar booking characteristics. Specify [O] for Open or [F] for First Come First Serve, case insensitive.

--booking_info

Specify resource booking information. It must be a xHTML string.

--description

Specify the description of the resource. It must be a xHTML string.

--timezone

Specify the time zone of the Resource.

--location

Specify the location description of the resource. It must be a xHTML string.

--scope

Specify the enterprise or organization under which this resource will be created. Will default to the current enterprise.

--custom_processing

Specify if this resource requires custom processing. Specify "T", "True", "F" or "False", case insensitive.

--accessible_by

Specify who can access this resource. It must be one of "everyone", "nobody", a group ID or finally a user ID, case insensitive. Use "everyone" to reset the accessibility to the default for the resource.

EXAMPLES

```
beectl add_resource --name "Resource1" --email_address
resource1@example.com --resource_type "room" --identifier
"us:OP200:20P74" --capacity 8 --timezone "America/Los_Angeles"
```

add_role_definition

Creates a RoleDefinition entity.

SYNTAX

```
beectl add_role_definition [--scope <unique identifier of the Scope>] --name <name
of RoleDefinition> [--description <description>] [[--privilege <privilege
name>]...] [--access_types <access types string>] [--always_enabled <boolean
value>]
```

OPTIONS

--scope

Specify the unique identifier of the Scope in which the RoleDefinition should be created.

--name

Specify the name of the RoleDefinition.

--description

Specify a description for the RoleDefinition.

--privilege

Specify a privilege which will be granted by the RoleDefinition. This option can be specified more than once.

--access_types

Specify the access types string for the RoleDefinition.

--always_enabled

Specify this option to mark the RoleDefinition as always enabled.

EXAMPLES

```
beectl add_role_definition --scope
wksp=MyWorkspace,enpr=MyEnterprise --name MyRoleDefinition
```

add_search_recovery_container

Adds/updates the recovery_id for the specified container

SYNTAX

```
beectl add_search_recovery_container [--option1 <option1argument> ... ]
```

OPTIONS

--entity_id

CollabID of the container you want to add/update the recovery_id for

--priority

Priority for recovery

--params

Params for recovery

--force

Force a new recovery task on any non recovered containers

EXAMPLES

```
beectl add_search_recovery_container --entity_id
1CF3:35AF:wspr:6828B43CD3944E06A5CD425F0225CF2500000000004C
--priority 1 --params params --force
```

add_sensitivity

Creates a Sensitivity entity.

SYNTAX

```
beectl add_sensitivity --workspace <unique identifier of the Workspace> --name
<name of Sensitivity> [--description <description>] [--sensitivity_only <boolean
value>] [--delegatable <boolean value>]
```

OPTIONS

--workspace

Specify the unique identifier of the Workspace in which the Sensitivity should be
created.

--name

Specify the name of the Sensitivity.

--description

Specify a description for the Sensitivity.

--sensitivity_only

Specify the SensitivityOnly option for the Sensitivity.

--delegatable

Specify the Delegatable option for the Sensitivity.

EXAMPLES
```
beectl add_sensitivity --workspace
wksp=MyWorkspace,enpr=MyEnterprise --name MySensitivity
```

add_sensitivity_ace

Adds an Access Control Entry (ACE) to a Sensitivity entity's Sensitivity ACL (SACL).

SYNTAX
```
beectl add_sensitivity_ace --sensitivity <unique identifier of the entity>
--accessor <unique identifier of the Accessor> [--access_types <access types
string>]
```

OPTIONS

--sensitivity

Specify the unique identifier of the Sensitivity to which the ACE will be added.

--accessor

Specify the unique identifier of an Accessor to whom the access types will apply.

--access_types

Specify the access types string for the Accessor.

EXAMPLES
```
beectl add_sensitivity_ace --sensitivity
acsn=MySensitivity,wksp=MyWorkspace,enpr=MyEnterprise --accessor
loginid=MyUser --access_types +RW-D
```

add_team_workspace

Creates a team workspace from a template

SYNTAX
```
beectl add_team_workspace --name <Workspace name> --scope <Identifier of
enterprise or organization> [--template <Workspace template identifier>] [--file
<Full path of the input file>]  [--email_address <Team workspace email address>]
[--description <Description>][--participation_mode <Team workspace participation
mode. Value can be INVITE_ONLY, OPEN, or APPROVE_REQUIRED>] [--directory_listed
<TRUE|FALSE. Default value is FALSE>] [--hard_quota <Hard quota in megabytes (MB).
Use 'UNLIMITED' for unlimited quota> --soft_quota <Soft quota in megabytes (MB).
Use 'UNLIMITED' for unlimited quota>]
```

OPTIONS

--name

Workspace name

--scope

Identifier of enterprise or organization

--template
Workspace template identifier

--file
Full path of the input file

--email_address
Team workspace e-mail address

--description
Description

--participation_mode
Team workspace participation mode. Value can be INVITE_ONLY, OPEN, or APPROVE_REQUIRED

--directory_listed
TRUE | FALSE. Default value is FALSE

--hard_quota
Hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--soft_quota
Soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

EXAMPLES
```
beectl add_team_workspace --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name My_Team_worksapce --hard_quota UNLIMITED --soft_quota 100

beectl add_team_workspace --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--template
9941:2345:wtss:88D193D162CE4ED89FF66AB4E55745B6345464545453
--file /tmp/input.xml --hard_quota 1000 --soft_quota 100
--email_address teamworkspace@company.com
```

add_team_workspace_template_application

Transforms the given team workspace to conform to the given team workspace template

SYNTAX
```
beectl add_team_workspace_template_application --template <Workspace template
identifier> --workspace <Workspace identifier> --file <Full path of the template
file>
```

OPTIONS

--template
Workspace template identifier

--workspace
Workspace identifier

--file
Full path of the input file

EXAMPLES
```
beectl add_team_workspace_template_application --template
9941:2345:ttws:58D193D162CE4ED89FF66AB4E55745B6345464545453
--workspace
9941:2345:wstm:58D193D162CE4ED89FF66AB4E55745B6345464545454
--file /tmp/template_variable_values.xml
```

add_trusted_identity

This command registers a trusted identity. There are two types of trusted identities: WSSEC and SES. Default type is WSSEC. For WSSEC type, please make sure that the service has a valid certificate registered in the wallet and the correct associated key alias is passed into this command. This command also creates the principal(s) associated with this trusted identity in the Beehive system. On the other hand, for SES type, this command stores the given trusted identity name and password information.

SYNTAX
```
beectl add_trusted_identity  [--type WSSEC --is_service <boolean> [--key_alias
<Key Alias>] --service_name <Principal Name>] [--type SES --name <Trusted Entity
Name> --password <Trusted Entity Password>]
```

OPTIONS

--key_alias
The alias of the service which is used to register the certificate in the wallet. This option is mandatory if registering a web service, i.e. if is_service is true and type is WSSEC. For all other cases, this is not a mandatory option.

--is_service
Boolean value, true if this is a service. This option is mandatory if type is WSSEC.

--service_name
String value of the service principal name with which it will be identified in Beehive. This option is mandatory if type is WSSEC.

--type
String value indicating the type of trusted identity: SES or WSSEC.SES refers to Secure Enterprise Search. WSSEC refers to Web services security.

--name
String value representing the name of the SES trusted entity.

--password
Secure string value representing the password of the SES trusted entity.

EXAMPLES

add_urm

Configures an agent for a URM instance.

SYNTAX

```
beectl add_urm --rm_admin_name <RM Admin Name for the URM instance.>  --rm_admin_
password <RM Admin Pass for the URM instance.>  --urm_url <The URL for the URM
instance.> [ --disposition_loader_interval <The Disposition Loader Interval for
the URM instance.> ] [ --disposition_processor_interval <The Disposition Processor
Interval for the URM instance.> ] [ --agent_name <The Agent Name for the URM
instance.> ]
```

OPTIONS

--rm_admin_name
RM Admin Name for the URM instance.

--rm_admin_password
RM Admin Pass for the URM instance.

--urm_url
The URL for the URM instance.

--disposition_loader_interval
The Disposition Loader Interval for the URM instance.

--disposition_processor_interval
The Disposition Processor Interval for the URM instance.

--agent_name
The Agent Name for the URM instance.

EXAMPLES

```
beectl add_urm --rm_admin_name myRmAdminName --rm_admin_password
myRmAdminObfuscatedPassword --urm_url myUrmUrl --disposition_
loader_interval myDispositionLoaderInterval --disposition_
processor_interval myDispositionProcessorInterval --agent_name
myAgentName --rm_email_admin 2312:2525:user:25252AB25215515155
```

add_user

The add_user command adds new users. The user information is supplied either on
command line or in an XML file.

SYNTAX

```
beectl add_user    {        --family_name <[locale:]family name>        [
--family_name <[locale:]family name> ... ]       --scope <identifier of users
parent>       --login_id <login_id>       --login_password <password>       [
--given_name <[locale:]given name> ... ]       [ --display_name <[locale:]display
```

```
name> ... ]       [ --middle_name <[locale:]middle name> ... ]       [ --job_title
<[locale:]job title> ... ]       [ --prefix <[locale:]prefix> ... ]       [
--suffix <[locale:]suffix> ... ]       [ --nick_name <[locale:]nick name> ... ]
[ --office_location <office location of the user> ]       [ --company <company of
the user> ]       [ --profession <profession of the user> ]       [ --timezone
<timezone of the user> ]       [ --locale <locale of the user> ]       [
--department <department of the user> ]       [ --assistant <assistant
identifier> ]       [ --manager <manager identifier> ]       [ --organization
<organization identifier> ... ]       [ --voice_principal <voice devicenumber> ]
[ --voice_pin <pin> ]       [ --property <name=value=description> ... ]       [
--protocol_principal <protocol principal> ]       [ --protocol_password <protocol
password> ]       [ --address <type of address(business_1|other_5|personal_
4|proxy_1|...):scheme(im|mailto|...):value> ... ]       [ --default_address_for_
type <type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ]       [ --default_address_for_scheme <type
of address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value>
]       [ --primary_address <type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ]       [ --external_inbox <true|false> ]
[ --extended_enterprise_user <true|false> ]       |       --file <filename> [
--ldapbootstrap ]    }
```

OPTIONS

--family_name
Family name of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--scope
Identifier of the enterprise or organization under which this user will be created.

--given_name
Given name of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--display_name
Display name of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--middle_name
Middle name of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--job_title
Job title of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--prefix

Prefix of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--suffix

Suffix of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--nick_name

Nick name of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--office_location

Office location of the user.

--company

Company of the user.

--profession

Profession of the user.

--timezone

time zone of the user. list_timezones lists the valid time zones

--locale

Locale details of the user. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--department

Department of the user.

--assistant

Identifier of the assistant.

--manager

Identifier of the manager.

--organization

Identifiers of the organizations the user belongs to.

--property

Details of the property in the format name=value=description. Any custom property can be used. Note, no equals to symbol(=) should be present in the name or value or description.

--address

Address of the user in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone,

oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_ 5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--default_address_for_type

Address of the user in the format type:scheme:value. Sets the specified address as the default for the specified type. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_ 5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--default_address_for_scheme

Address of the user in the format type:scheme:value. Sets the specified address as the default for the specified scheme. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_ 5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--primary_address

Primary address of the user in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_ 5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--login_id

The login credentials of the user.

--login_password

Login password.

--voice_principal

Voice principal of the user.

--voice_pin

Pin number for the voice device.

--protocol_principal
Protocol principal of the user.

--protocol_password
Protocol password.

--file
Name of the file, which contains user information in XML format.

--ldapbootstrap
LDAP bootstrap flag. This option is used to specify that users are mastered in a LDAP server. This is relevant only when --file option is used.

--external_inbox
Boolean if user's inbox is external or not.

--extended_enterprise_user
Boolean if user is an external user or not.

EXAMPLES
```
beectl add_user --family_name User1FamilyName --login_id
user@example.com --login_password hioquery731419== --scope
enpr=example --obfuscated


beectl add_user --family_name User1FamilyName --login_id
user@example.com --login_password hioquery731419== --scope
enpr=example --given_name User1GivenName --display_name "User1
Name" --organization orgn=beehive1,enpr=oracle1 --obfuscated


beectl add_user --family_name User1FamilyName --login_id
user@example.com --login_password hioquery731419== --scope
enpr=example --address BUSINESS_1:mailto:example@example.com
--address BUSINESS_2:fax:121345222 --obfuscated


beectl add_user --family_name User1FamilyName --login_id
user@example.com --login_password hioquery731419== --scope
enpr=example --property notes=xxx --obfuscated


beectl add_user --family_name User1FamilyName --login_id
user@example.com --login_password hioquery731419== --scope
enpr=example --extended_enterprise_user true --obfuscated


beectl add_user --file Users.xml


beectl add_user --file Users.xml --ldapbootstrap
```

add_user_subscription

Creates a user subscription from a pre-defined rule in a subscription template.

SYNTAX

```
beectl add_user_subscription --source_entity_class <sourceEntityClass of template>
--rule <rule name> --attach <identifier of attached entity> --subscriber
<identifier of subscriber>
```

OPTIONS

--source_entity_class

Specify the name of the source entity Class that is defined in subscription template.

--rule

Specify the name of the pre-defined rule that is selected for creating subscription or the statement of rule. The rule statement format is: RULE_ STATEMENT:CONDITION:attribute1=value1,attribute2=value2, ...attribute=value,ACTION:attribute1=value1,attribute2=value2, ...attribute=value

--attach

Specify the Identifier of the entity to which the subscription is attached.

--subscriber

Specify the identifier of the subscriber who owns the subscription.

EXAMPLES

```
beectl add_user_subscription --source_entity_class Invitation
--attach
5457:7954:clnd:337F34E37E8E81F1E040578C921630B700000000B864
--subscriber
5457:7954:user:6390824F2C4C4BD1B54A21B2DD7423F300000000000A
--rule NOTIFY_ON_ANY_UPDATED_INVITATION


beectl add_user_subscription --source_entity_class Message
--attach
5457:7954:afrh:337F34E37E8E81F1E040578C921630B700000000B983
--subscriber
5457:7954:user:6390824F2C4C4BD1B54A21B2DD7423F300000000000A
--name MyServerSideRule_1 --rule RULE_
STATEMENT:CONDITION:created_any_from_contains=beehive,created_
any_subject_contains=build,ACTION:move_
to=5457:7954:afrh:5B5DB5E3F6652295E040578C92165D03000000000440,f
orward_to=test.user@oracle.com
```

add_version_configuration

Creates a version configuration on the given scope or heterogeneous folder.

SYNTAX

```
beectl add_version_configuration --container <Configuration scope or heterogenous
folder> --file <Full path of the configuration XML file>
```

OPTIONS

--container

Scope or heterogeneous folder on which the version configuration should be defined.

--file

Full path of the version configuration XML file. The file must contain properly formatted data.

EXAMPLES

```
beectl add_version_configuration --container
orgn=MyOrganization,enpr=MyEnterprise --file
/tmp/configuration.xml
```

add_virus_scan_engine

Adds a new virus scan engine to the collection of engines configured for the Site. If this is the first scan engine being added, this command will create a new collection for the Site and add the virus scan engine to it.

SYNTAX

```
beectl add_virus_scan_engine [ --hostname <scanengine_hostname> ] [ --port
<scanengine_port> ] [ --validate_connection <true/false> ]
```

OPTIONS

--hostname

Name of the host where the virus scan engine is installed. Default is localhost.

--port

Port number used by the virus scan engine for communication with its clients. Default is 1344.

--validate_connection

Indicates if the connection to the virus scan engine needs to be validated.

EXAMPLES

```
beectl add_virus_scan_engine --hostname
scanenginehost.example.com --port 1344 --validate_connection
true
```

add_voice_enterprise

Creates a voice enterprise with the given name.

SYNTAX

```
beectl add_voice_enterprise --name <name>
```

OPTIONS

--name

Name to be assigned to this voice enterprise.

EXAMPLES

```
beectl add_voice_enterprise --name sample
```

add_voice_facility

Creates a voice facility by associating phone rules with an already created group. The command may be run multiple times and each new execution will append new rules to existing rules for a given group CollabID.

SYNTAX

```
beectl add_voice_facility --group_collabid <CollabID> [--include <phone rules>]
[--exclude <phone rules>]
```

OPTIONS

--group_collabid

The CollabID of the group to associate with the given phone number rules.

--include

The collection of phone number rules to describe what phone numbers to include in the given facility. The rules are delimited by pipes.

--exclude

The collection of phone number rules to describe what phone numbers to EXCLUDE in the given facility. The rules are delimited by pipes.

EXAMPLES

```
beectl add_voice_facility --group_collabid 1234:grup:1234:5678
--include 1312???????|1713??????? --exclude
13129??????|17139??????
```

add_workflow_schema

Deploys a workflow and seeds workflow information.

SYNTAX

```
beectl add_workflow_schema --file <full path to the workflow JAR file>
```

OPTIONS

--file

Specify the absolute path of the workflow schema JAR file.

EXAMPLES

```
beectl add_workflow_schema --file
/private/bpel/MyWorkflowSchema.jar
```

add_workflow_template

Creates a workflow template using data in an XML file.

SYNTAX

```
beectl add_workflow_template --file <full path to the workflow template xml file>
```

OPTIONS

--file

Specify the absolute path of the XML file that contains data to create the workflow template.

EXAMPLES

```
beectl add_workflow_template --file
/private/bpel/MyWorkflowTemplate.xml
```

add_workspace_template

Creates a workspace template in an organization or enterprise

SYNTAX

```
beectl add_workspace_template --scope <Identifier of enterprise or organization>
--file <Full path of the template file>
```

OPTIONS

--scope

Identifier of enterprise or organization

--file

Full path of the input file

EXAMPLES

```
beectl add_workspace_template --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--file /tmp/template.xml
```

append_value

Appends the specified value to the existing value of the named property. If the named property value is cleared before executing this command, then after executing this command it will contain the new value.

Note :- Option value should not start with hyphen(-). If an option value starts with hyphen, use any one of the following syntaxes. 1. Use <option-name>=<option value> format. This is the preferred way to specify the option values starting with hyphens. 2. Prepend the option value with string "ESCAPE:". 3. Prepend the option value with backslash "\\". This is the least preferred way. This may not work in some platforms, esp in windows platforms it will not work.

SYNTAX

```
beectl append_value --component <system object identifier or alias> --name <name>
--value <value>...
```

OPTIONS

--component
component ID.

--name
Name of the property.

--value
Value of the property.

EXAMPLES

```
The command execution below would modify the log level for code
in module oracle.ocs.commandline to FINEST and code in module
oracle.ocs.management to FINE. These new settings are appended
to existing list of package names in the ModuleLogLevel property
of the LoggingProperties config object in current site. If the
ModuleLogLevel property was cleared before executing this
command, then it will contain the new values now.
```

```
beectl append_value --component _CURRENT_SITE:LoggingProperties
--name "ModuleLogLevel" --value "oracle.ocs.commandline:FINEST"
--value "oracle.ocs.management:FINE"
```

clear_proposed_configuration

Clears proposed configuration of the Beehive system object model

SYNTAX

```
beectl clear_proposed_configuration
```

OPTIONS

This command has no options

EXAMPLES

```
beectl clear_proposed_configuration
```

clone_midtier

Top level clone command that clones a Application tier.

SYNTAX

```
beectl clone_midtier --ias_instance_name <ias instance name > --host_name <host
name> --db_schema_password <db schema password> [--oui_inv_ptr_loc <oui data>]
[--oracle_home_name <oracle home name>] [--do_not_start_at_end] --site_key
<Obfuscated site key>
```

OPTIONS

--ias_instance_name

IAS instance name with out appending host name. For example "myinstance"

--host_name

Fully qualified host name of the new Application tier.

--db_schema_password

Beehive database schema password.

--oui_inv_ptr_loc

Oracle inventory pointer location file. Location of Oracle inventory is present in this file. If not specified, a platform default value (/etc/oraInst.loc on Linux) is checked. If the platform default value does not exists, then Oracle Inventory is created in user's home directory.

--oracle_home_name

Oracle home name. The default value is the value for --ias_instance_name option.

--do_not_start_at_end

If specified, Oracle Beehive components will not be started at the end.

--site_key

Site key value.

EXAMPLES

```
beectl clone_midtier --ias_instance_name MyIASInstance --host_
name machine1.example.com --db_schema_password
dbbeehiveschemapassword--site_key <Obfuscated site key>
```

clone_oc4j_instance

Creates a new OC4J instance by cloning the given OC4J instance.

Most of properties of the newly created OC4J instance is similar to that of the source OC4J instance.

All the service instance present in the source OC4J instance system model is deployed into the newly cloned OC4J instance.

Further, after deploying all the service instances, newly cloned OC4J instance is bounced once.

Only Beehive OC4J instances should be cloned using this command. Non Beehive OC4J instances can't be cloned using this command

Beehive Management OC4J instance should not be cloned. This command will error out when management OC4J instance is cloned.

When a template is associated with the Beehive instance, then target OC4J name can't be specified and disable_sizing option should be specified.

SYNTAX

```
beectl clone_oc4j_instance [--source_oc4j_instance_id <source OC4J instance system
model ID> | --source_oc4j_instance_name <source OC4J instance name>] [--target_
oc4j_instance_name <target OC4J instance name>] [--disable_sizing] [--cold_mode]
```

OPTIONS

--source_oc4j_instance_id
Source OC4J instance system model ID.

--source_oc4j_instance_name
Source OC4J instance name.

--target_oc4j_instance_name
Target OC4J instance name.

--disable_sizing
Disable sizing.

--cold_mode
Clone the target OC4J instance in cold mode. Target OC4J instance will be started only at the end of flow.

EXAMPLES

```
beectl clone_oc4j_instance --source_oc4j_instance_name BEEAPP
--target_oc4j_instance_name BEEAPP_CLONE
```

```
beectl clone_oc4j_instance --source_oc4j_instance_name BEEAPP
--disable_sizing
```

clone_preparation

Prepares the existing oracle home for cloning.

SYNTAX

```
beectl clone_preparation --file <output file name>
```

OPTIONS

--file
Fully qualified name of the file which will store the list of files to be cloned. This files has to be outside the oracle home.

EXAMPLES
```
beectl clone_preparation --file /tmp/clone-list.txt
```

clone_site

Top level clone command that clones a Application tier in a new deployment (i.e., site). This command is part of the Deployment Cloning solution. Please see the administrator guide for details.

SYNTAX
```
beectl clone_site --ias_instance_name <ias instance name > --host_name <host name>
--db_schema_password <db schema password> --db_connect_string <db connect String>
[--oui_inv_ptr_loc <oui data>] [--db_schema_name <db schema name>]  [(--db_rac_
node_information <XA Service name>) ...] [(--db_xa_service_name <rac node
information>) ...] [--retain_rac_node_information] [--oracle_home_name <oracle
home name>]  [--do_not_start_at_end] [--site_name <New site name>] --site_key
<Obfuscated site key>
```

OPTIONS

--ias_instance_name
IAS instance name with out appending host name. For example "myinstance"

--host_name
Fully qualified host name of the new Application tier.

--db_connect_string
Beehive database connect string.

--db_schema_password
Beehive database schema password.

--db_schema_name
Beehive database schema name.

--db_rac_node_information
Beehive database RAC node information. It should be of the format hostname:port. For example, sample.com:1521

--db_xa_service_name
Beehive database XA service name.

--retain_rac_node_information

Retains the old RAC node and ONS information. By default old RAC node information is removed.

--oracle_home_name

Oracle home name. The default value is the value provided for --ias_instance_name option.

--oui_inv_ptr_loc

Oracle inventory pointer location file. Location of Oracle inventory is present in this file. If not specified, a platform default value (/etc/oraInst.loc on Linux) is checked. If the platform default value does not exists, then Oracle Inventory is created in user's home directory.

--do_not_start_at_end

If specified, Oracle Beehive components will not be started at the end.

--site_name

New site name

--site_key

Site key value.

EXAMPLES
```
beectl clone_site --ias_instance_name MyIASInstance --host_name
machine1.example.com --db_schema_password
dbbeehiveschemapassword --db_connect_string
"(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=machine2.example.com)
(PORT=1521))(CONNECT_DATA=(SERVICE_NAME=oracle))" --db_schema_
name MySchema --retain_rac_node_information --site_key
<Obfuscated site key>
```

delete_assigned_role

Deletes an AssignedRole entity.

SYNTAX
```
beectl delete_assigned_role --assigned_role <unique identifier of the
AssignedRole>
```

OPTIONS

--assigned_role

Specify the unique identifier of the AssignedRole to be deleted.

EXAMPLES
```
beectl delete_assigned_role --assigned_role
acar=MyAssignedRole,wksp=MyWorkspace,enpr=MyEnterprise
```

delete_attendant

Deletes an auto attendant by name.

SYNTAX

```
beectl delete_attendant --name <name of attendant>
```

OPTIONS

--name
Name of the attendant to delete.

EXAMPLES

```
beectl delete_attendant --name my_attendant
```

delete_attendant_prompt

Deletes a prompt.

SYNTAX

```
beectl delete_attendant_prompt --name <attendant name> --type <prompt type>
--language <prompt language>
```

OPTIONS

--name
Name of the attendant to which the prompt belongs.

--type
The type of the prompt. Can be one of language, menu, greeting, option1, option2,
option3, option4, option4, option5, option6, option7, option8, option9, noinput,
noinput-term, nomatch, nomatch-term.

--language
The language of the prompt.

EXAMPLES

```
beectl delete_attendant_prompt --name myAttendant --type
greeting --language en_US
```

```
beectl delete_attendant_prompt --name myAttendant --type
language
```

delete_audit_policy

Deletes an existing audit

SYNTAX

```
beectl delete_audit_policy --policy <Audit policy identifier>
```

OPTIONS

--policy
Audit policy identifier

EXAMPLES
```
beectl delete_audit_policy --policy aupl=MyAuditPolicy
```

delete_audit_template

Deletes an existing audit policy template

SYNTAX
```
beectl delete_audit_template --template <Audit template identifier>
```

OPTIONS

--template
Audit template identifier

EXAMPLES
```
beectl delete_audit_template --template autp=MyAuditTemplate
```

delete_audit_trail

Deletes an existing audit trail

SYNTAX
```
beectl delete_audit_trail --trail <Audit trail identifier>
```

OPTIONS

--trail
Audit trail identifier

EXAMPLES
```
beectl delete_audit_trail --trail autr=MyAuditTrail
```

delete_category

Deletes a category and all category applications.

SYNTAX
```
beectl delete_category --category <Identifier of the category to be deleted>
```

OPTIONS

--category

Specify the identifier of the category.

EXAMPLES

```
beectl delete_category --category
421C:6639:catg:3BF460625AB3FCC9E040548C1C82796300000000020B

beectl delete_category --category catg=Resource_
US,catg=Resource_ROOT,enpr=bee_ent
```

delete_category_application

Removes a category from an entity

SYNTAX

```
beectl delete_category_application --category <Identifier of the category to be
removed>  --entity <Identifier of the entity from which the category needs to be
removed>
```

OPTIONS

--category

Specify the identifier of the category to be removed.

--entity

Specify the identifier of an Oracle Beehive entity from which the category needs to be removed.

EXAMPLES

```
beectl delete_category_application --category
catg=MyCategory,enpr=MyEnterprise --entity
adoc=MyDocument,fldr=MyFolder,wksp=MyWorkspace,enpr=MyEnterprise
```

delete_category_configuration

Deletes a given category configuration.

SYNTAX

```
beectl delete_category_configuration --configuration <Configuration identifier>
```

OPTIONS

--configuration

Category configuration to be deleted.

EXAMPLES

```
beectl delete_category_configuration --configuration
9941:2345:ctcf:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_client_application

Deletes a client application.

SYNTAX

```
beectl delete_client_application --application <identifier of the client
application>
```

OPTIONS

--application

Specify the identifier of the client application. Use list_client_applications command to
determine the identifier of the client application.

EXAMPLES

```
beectl delete_client_application --application
1234:5678:capn:2E0329B0705F0E40E040578C92160957000000000434
```

delete_client_application_configuration

Deletes the client application configuration with the given identifier.

SYNTAX

```
beectl delete_client_application_configuration --configuration <identifier of the
client application configuration>
```

OPTIONS

--configuration

Specify the identifier of the client application configuration.

EXAMPLES

```
beectl delete_client_application_configuration --configuration
1234:5678:capc:2E0329B0705F0E40E040578C92160957000000000434
```

delete_client_application_patchset

Deletes a client application patch set.

SYNTAX

```
beectl delete_client_application_patchset --patchset <identifier of the client
application patch set>
```

OPTIONS

--patchset

Specify the identifier of the client application patch set. Use list_client_application_
patchsets command to determine the identifier of a client application patch set.

EXAMPLES

```
beectl delete_client_application_patchset --patchset
1234:5678:capp:2E0329B0705F0E40E040578C92160957000000000434
```

delete_client_application_provisioning

De-provisions client applications from a community.

SYNTAX

```
beectl delete_client_application_provisioning --community <community identifier>
{--configuration <client application configuration identifier>... | --all}
```

OPTIONS

--community

Specify the identifier of the community.

--configuration

Specify the identifier of the client application configuration. This option can be specified more than once.

--all

Specify this option to deprovision any client applications provisioned earlier. The users belonging to this community would get the applications provisioned at the parent community level.

EXAMPLES

```
beectl delete_client_application_provisioning --community
1234:5678:entr:2E0329B0705F0E40E040578C92160957000000000434
--configuration
1234:5678:capc:2E0329B0705F0E40E040578C92160957000000000434
--configuration
1234:5678:capc:2E0329B0705F0E40E040578C92160957000000000434

beectl delete_client_application_provisioning --community
1234:5678:entr:2E0329B0705F0E40E040578C92160957000000000434
--all
```

delete_client_application_version

Deletes a client application version.

SYNTAX

```
beectl delete_client_application_version --application_version <identifier of the
client application version>
```

OPTIONS

--application_version
Specify the identifier of the client application version. Use list_client_application_ versions command to determine the identifier of a client application version.

EXAMPLES
```
beectl delete_client_application_version --application_version
1234:5678:capv:2E0329B0705F0E40E040578C92160957000000000434
```

delete_coexistence_profile

Deletes the coexistence profile of user.

SYNTAX
```
beectl delete_coexistence_profile {--user <user_identifier> | --email <user_email>
| --file <file_name> }
```

OPTIONS

--user
Specify the identifier of the user.

--email
Specify the e-mail address of the user.

--file
Specify the XML input file. File encoding MUST be UTF-8. Only supported for creation.

EXAMPLES
```
beectl delete_coexistence_profile --user loginid=user_loginid
```
```
beectl delete_coexistence_profile --file users.xml
```

delete_coexistence_system

Deletes a coexistence remote collaboration system. WARNING: This command will purge the remote collaboration system and clean all related data.

SYNTAX
```
beectl delete_coexistence_system [--select_by_name <connector_name>]
```

OPTIONS

--select_by_name
Specify the name of the coexistence remote collaboration system.

EXAMPLES

```
beectl delete_coexistence_system

beectl delete_coexistence_system --select_by_name MsExch2003_1
```

delete_conference

Deletes conference artifact under workspace

SYNTAX

```
beectl delete_conference --conference_id <Conference identifier>
```

OPTIONS

--conference_id
Conference identifier

EXAMPLES

```
beectl delete_conference --conference_id
6490:45C8:owch:B3EABD85714E4DBDA92201A54EAE56C3000000002C2C
```

delete_conference_template

Deletes conference template artifact under workspace

SYNTAX

```
beectl delete_conference_template --template_id <Conference identifier>
```

OPTIONS

--template_id
Conference identifier

EXAMPLES

```
beectl delete_conference_template --template_id
6490:45C8:owch:B3EABD85714E4DBDA92201A54EAE56C3000000002C2C
```

delete_custom_user_property

The delete_custom_user_property command deletes a custom property. If there are multiple custom properties with same name, then only the first occurrence of the attribute with specified name is deleted. Any values of the property being deleted will also be deleted.

SYNTAX

```
beectl delete_custom_user_property --name <name>
```

OPTIONS

--name
Property name. Example: employeenumber.

EXAMPLES
```
beectl delete_custom_user_property --name employeenumber
```

delete_device

Deletes the device with the given identifier.

SYNTAX
```
beectl delete_device --device <identifier of the device>
```

OPTIONS

--device
Specify the identifier of the device. Use list_devices command to determine the identifier of the device.

EXAMPLES
```
beectl delete_device --device
1234:5678:devi:2E0329B0705F0E40E040578C92160957000000000434
```

delete_device_profile

Deletes the device profile or device profiles. The command can delete the device profile with the given identifier or with the given device profile name or delete the device profiles specified from the given file containing names of the device profiles. The command can also optionally delete all the device types associated with this device profile.

SYNTAX
```
beectl delete_device_profile {--profile <identifier of the device
profile>|--profile_name <name of the device profile>|--file <file containing
device profiles>} [--delete_device_types]
```

OPTIONS

--profile
Identifier of the device profile.

--profile_name
Name of the device profile.

--file
File containing the names of the device profiles. Specify the full path and file name.

--delete_device_types
Deletes all the device types associated with this device profile.

EXAMPLES
```
beectl delete_device_profile --profile
1234:5678:devp:2E0329B0705F0E40E040578C92160957000000000434

beectl delete_device_profile --profile
1234:5678:devp:2E0329B0705F0E40E040578C92160957000000000434
--delete_device_types

beectl delete_device_profile --profile_name "Device Profile
Name" --delete_device_types

beectl delete_device_profile --file /tmp/deleted_profiles.txt
--delete_device_types
```

delete_device_type

Deletes the device type with the given identifier.

SYNTAX
```
beectl delete_device_type --type <identifier of the device type>
```

OPTIONS

--type
Identifier of the device type.

EXAMPLES
```
beectl delete_device_type --type
1234:5678:devt:2E0329B0705F0E40E040578C92160957000000000434
```

delete_directory_profile

The delete_directory_profile command deletes a directory profile.

Changelog number for the directory profile is not deleted from Oracle Beehive, unless the activate_configuration option is used. To delete the changelog number from Oracle Beehive, run this command by specifying the common option activate_configuration with value as true.

The command deletes a directory profile if no users or groups are associated with the profile in Oracle Beehive.

SYNTAX
```
beectl delete_directory_profile --profile <profile-name>
```

OPTIONS

--profile
Profile name to be deleted.

EXAMPLES

```
beectl delete_directory_profile --profile MyDirectoryProfile
```

delete_dmz_home_instance

Removes configuration for a Beehive installation in the DMZ that is, outside the firewall.

SYNTAX

```
beectl delete_dmz_home_instance --id <dmz Oracle Beehive instance ID>
```

OPTIONS

--id
Identifier for DMZ Oracle Beehive instance.

EXAMPLES

```
beectl delete_dmz_home_instance --id dmz_on_server1
```

delete_event_subscription

Deletes an event subscription from the Oracle Beehive repository.

SYNTAX

```
beectl delete_event_subscription --subscription <identifier of the event
subscription to be deleted>
```

OPTIONS

--subscription
Specify the identifier of the event subscription to be deleted.

EXAMPLES

```
beectl delete_event_subscription --subscription
9941:2345:enpr:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_external_contact

The delete_external_contact command deletes an external contact with an option to purge.

SYNTAX

```
beectl delete_external_contact { --contact <identifier of external contact > |
--email <Email address of the contact> } --purge
```

OPTIONS

--contact
identifier of external contact

--email
E-mail ID of the external contact

--purge
Purges the external contact after deletion.

EXAMPLES
```
beectl delete_external_contact --contact
6A95:21EB:extp:D9E9FC8134544BCE9D60559F9B997CCD000000000000


beectl delete_external_contact --email contact1@example.com


beectl delete_external_contact --email contact1@example.com
--purge
```

delete_failed_action_events

Purge actions that have not completed successfully.

SYNTAX
```
beectl delete_failed_action_events --bucket <Partition number> --sequence
<Sequence number>
```

OPTIONS

--bucket
Partition number

--sequence
Sequence number

EXAMPLES
```
beectl delete_failed_action_events --bucket MyBucketNumber
--sequence MySequenceNumber
```

delete_feed_configuration

The delete_feed_configuration command deletes feed configuration.

SYNTAX
```
beectl delete_feed_configuration    {        --feed_configuration <feed
configuration >      | --scope <scope identifier>       --feedtype <feed type >
}
```

OPTIONS

--feed_configuration
CollabID of the feed configuration to be modified

--scope
Scope in which the feed configuration will be created

--feedtype
Feed type of the feed configuration. Permitted values are ANNOUNCEMENT, FORUM, FOLDER, LABEL, RECENT, TOPIC and VERSION.

EXAMPLES
```
beectl delete_feed_configuration --scope enpr=example --feedtype
RECENT
```

```
beectl delete_feed_configuration --feed_configuration
6790:39AC:afrf:52921E226193384EE040578C5C84269C0000000ABB75
```

delete_filesystem_reference

Removes a file system reference from Beehive.

SYNTAX
```
beectl delete_filesystem_reference --filesystem_reference_id <Identifier of the
file system reference>
```

OPTIONS

--filesystem_reference_id
Identifier of the file system reference to delete.

EXAMPLES
```
beectl delete_filesystem_reference --filesystem_reference_id
fsref=MyFilesystemReference,enpr=MyEnterprise
```

delete_group

The delete_group command deletes a group with an option to purge.

SYNTAX
```
beectl delete_group { --group <group_identifier> | --email <group_email> } [
--purge ]
```

OPTIONS

--group
Identifier of the group.

--email
E-mail ID of the group.

--purge
Purges the group after deletion.

EXAMPLES
```
beectl delete_group --group grup=MyGroup,enpr=Example
```

```
beectl delete_group --group grup=MyGroup,enpr=Example --purge
```

delete_local_ace

Deletes an Access Control Entry (ACE) from the Local Access Control List (LACL) of an entity.

SYNTAX
```
beectl delete_local_ace --entity <unique identifier of the entity> --accessor
<unique identifier of the Accessor>
```

OPTIONS

--entity
Specify the unique identifier of the entity from which the ACE will be deleted.

--accessor
Specify the unique identifier of the accessor to whom the access types were applied.

EXAMPLES
```
beectl delete_local_ace --entity
adoc=MyDocument,wksp=MyWorkspace,enpr=MyEnterprise --accessor
loginid=MyUser
```

delete_organization

Deletes an existing organization

SYNTAX
```
beectl delete_organization --organization <Organization identifier> [--async]
```

OPTIONS

--organization
Organization identifier

--async
Delete organization asynchronously

EXAMPLES
```
beectl delete_organization --organization
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_policy

Deletes a policy.

SYNTAX
```
beectl delete_policy --policy <identifier of the policy to be deleted>
```

OPTIONS

--policy
Specify the identifier of the policy to be deleted. Use the list_policies command to obtain the policy identifier.

EXAMPLES
```
beectl delete_policy --policy plcy=MyPolicy,enpr=MyEnterprise
```

delete_policy_action

Deletes a policy action.

SYNTAX
```
beectl delete_policy_action --action_name <name of action to be deleted>
```

OPTIONS

--action_name
Specify the name of the policy action to be deleted.

EXAMPLES
```
beectl delete_policy_action --action_name MyActionName
```

delete_policy_schema

Deletes a policy schema.

SYNTAX

```
beectl delete_policy_schema --policy_schema <identifier of the policy schema to be
deleted>
```

OPTIONS

--policy_schema
Specify the identifier of the policy schema to be deleted.

EXAMPLES

```
beectl delete_policy_schema --policy_schema
9941:2345:plsh:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_policy_template

Deletes a policy template.

SYNTAX

```
beectl delete_policy_template --policy_template <identifier of the policy template
to be deleted>
```

OPTIONS

--policy_template
Specify the identifier of the policy template to be deleted.

EXAMPLES

```
beectl delete_policy_template --policy_template
9941:2345:plct:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_preference_profile

The delete_preference_profile command deletes a preference profile.

SYNTAX

```
beectl delete_preference_profile --profile <Preference profile identifier>
```

OPTIONS

--profile
Identifier of the preference profile to be deleted.

EXAMPLES

```
beectl delete_preference_profile --profile
prfp=MyProfile,loginid=user1
```

delete_preference_property

The delete_preference_property command deletes a preference property from a preference set.

SYNTAX

```
beectl delete_preference_property --set <set-identifier> --name <property-name>
```

OPTIONS

--set

Identifier of the preference set specified in ID format, which can be determined by running list_preference_sets command with "--entity_format id" option.

--name

Name of the preference property.

EXAMPLES

```
beectl delete_preference_property --set
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000979
--name MyProperty
```

delete_preference_set

The delete_preference_set command deletes a preference set.

SYNTAX

```
beectl delete_preference_set --set <set-identifier>
```

OPTIONS

--set

Identifier of the preference set specified in ID format, which can be determined by running list_preference_sets command with "--entity_format id" option.

EXAMPLES

```
beectl delete_preference_set --set
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000979
```

delete_property

Clears the value of specified property in the configuration object identified by specified ID.

SYNTAX

```
beectl delete_property --component <system object identifier or alias> --name
<property name>
```

OPTIONS

--component
Identifier of a configuration object. The list_components command can be used to lookup the identifier

--name
The property to be cleared.

EXAMPLES
```
The command execution shown below would clear the value of Alias
property of the current site.

beectl delete_property --component _CURRENT_SITE --name Alias
```

delete_record

Deletes a record or non-record.

SYNTAX
```
beectl delete_record --artifact <identifier of the artifact to be deleted as a
record/non-record>
```

OPTIONS

--artifact
identifier of the artifact to be deleted as a record/non-record

EXAMPLES
```
beectl delete_record --artifact myArtifact
```

delete_resources

Deletes a resource.

SYNTAX
```
beectl delete_resources {--resource <resourceid> | --select_by_name <name>}
[--external]
```

OPTIONS

--resource
Specify the identifier of the resource. Use list_resources command to obtain the identifier of the resource.

--select_by_name
Specify the name criteria of the resource.

--external

Delete an external resource. If this option is not specified, bookable resources will be deleted.

EXAMPLES

```
beectl delete_resources --resource
395A:346B:bkrs:2C5F7E98E076D382E040578CA60B0D0E000000062327
```

delete_role_definition

Deletes a RoleDefinition entity.

SYNTAX

```
beectl delete_role_definition --role_definition <unique identifier of the
RoleDefinition>
```

OPTIONS

--role_definition

Specify the unique identifier of the RoleDefinition to be deleted.

EXAMPLES

```
beectl delete_role_definition --role_definition
acrd=MyRoleDefinition,wksp=MyWorkspace,enpr=MyEnterprise
```

delete_sensitivity

Deletes a Sensitivity entity.

SYNTAX

```
beectl delete_sensitivity --sensitivity <unique identifier of the Sensitivity>
```

OPTIONS

--sensitivity

Specify the unique identifier of the Sensitivity to be deleted.

EXAMPLES

```
beectl delete_sensitivity --sensitivity
acsn=MySensitivity,wksp=MyWorkspace,enpr=MyEnterprise
```

delete_sensitivity_ace

Deletes an Access Control Entry (ACE) from the Sensitivity Access Control List (SACL) of a Sensitivity entity.

SYNTAX

```
beectl delete_sensitivity_ace --sensitivity <unique identifier of the Sensitivity>
--accessor <unique identifier of the Accessor>
```

OPTIONS

--sensitivity
Specify the unique identifier of the Sensitivity from which the ACE will be deleted.

--accessor
Specify the unique identifier of the accessor to whom the access types were applied.

EXAMPLES
```
beectl delete_sensitivity_ace --sensitivity
acsn=MySensitivity,wksp=MyWorkspace,enpr=MyEnterprise --accessor
loginid=MyUser
```

delete_team_workspace

Deletes an existing team workspace

SYNTAX
```
beectl delete_team_workspace --workspace <Workspace identifier> [--async]
```

OPTIONS

--workspace
Workspace identifier

--async
Delete workspace asynchronously

EXAMPLES
```
beectl delete_team_workspace --workspace
9941:2345:twsp:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_trusted_identity

This command unregisters a trusted identity. If the type of identity is not specified, it is defaulted to WSSEC.

SYNTAX
```
beectl delete_trusted_identity [--type WSSEC --service_name <Trusted Entity Name>]
[--type SES --name <Trusted Entity Name>]
```

OPTIONS

--service_name
String value of the service principal name with which it will be identified in Beehive. This option is mandatory if type is WSSEC.

--type
String value indicating the type of trusted identity: SES or WSSEC.SES refers to Secure Enterprise Search. WSSEC refers to Web services security.

--name
String value representing the name of the SES trusted entity.

EXAMPLES

delete_user

The delete_user command deletes a user with an option to purge.

SYNTAX
```
beectl delete_user { --user <user_identifier> | --email <user_email> } [ --purge ]
```

OPTIONS

--user
Identifier of the user. When purging an already deleted user, the user must be specified in ID format. The value in ID format can be determined by running list_users command as: list_users --attribute_name STATUS --attribute_type ATTRIBUTE --attribute_value DELETED --entity_format id.

--email
E-mail ID of the user.

--purge
Purges the user after deletion.

EXAMPLES
```
beectl delete_user --user loginid=user1
```

```
beectl delete_user --user loginid=user1 --purge
```

delete_version_configuration

Deletes a given version configuration.

SYNTAX
```
beectl delete_version_configuration --configuration <Configuration identifier>
```

OPTIONS

--configuration
Version configuration to be deleted.

EXAMPLES

```
beectl delete_version_configuration --configuration
9941:2345:avcg:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_virus_scan_engine

Deletes specified virus scan engine from the collection of engines configured for the Site. If this is the last scan engine being deleted, this command will also delete the virus scan engine collection and update the Site to remove the virus scan engine collection from it. Either the scan_engine option or the host name and port options will need to be specified.

SYNTAX

```
beectl delete_virus_scan_engine { --scan_engine <scanengine_systemid> | {
--hostname <scanengine_hostname> --port <scanengine_port> }}
```

OPTIONS

--scan_engine
Identifier of the scan engine to be deleted.

--hostname
Name of the host where the virus scan engine is installed.

--port
Port number used by the virus scan engine for communication with its clients.

EXAMPLES

```
beectl delete_virus_scan_engine --scan_engine 12345
```

```
beectl delete_virus_scan_engine --hostname
scanenginehost.example.com --port 1344
```

delete_virus_scan_results

Deletes virus scan results from the system that match the specified criteria. Option scandate cannot be specified with options scandate_from or scandate_to.

SYNTAX

```
beectl delete_virus_scan_results [ [ --scandate <scandate> ] | [ --scandate_from
<scandate_from> ] [ --scandate_to <scandate_to> ] ] [ --virus_name <virus_name> ]
[ --virus_id <virus_id> ] [ --entity_type <entity_type> ] [ --obsolete_only
<true/false> ]
```

OPTIONS

--scandate
Value specified will be used to do an exact match with the scan date attribute of the scan results.

--scandate_from

Value specified will be used as the lower inclusive bound for matching with the scan date.

--scandate_to

Value specified will be used as the upper inclusive bound for matching with the scan date.

--virus_name

Value specified will be used to do an exact match with the virus name attribute of the scan results.

--virus_id

Value specified will be used to do an exact match with the virus ID attribute of the scan results.

--entity_type

Value specified will be used to pick up only the scan results for the entered entity type.

--obsolete_only

This option returns matches found for the specified criteria only for those entities that are obsolete, i.e. these entities no longer exists in the system.

EXAMPLES

```
beectl delete_virus_scan_results --scandate_from
2008-07-10T00:00:00 --scandate_to 2008-07-10T23:59:59
```

delete_voice_enterprise

Deletes a voice enterprise with the given ID.

SYNTAX

```
beectl delete_voice_enterprise --name <name>
```

OPTIONS

--name

Identifier of the voice enterprise to be removed.

EXAMPLES

```
beectl delete_voice_enterprise --name
a1d290a8-f8a7-46ea-ae3d-0696c0bde331
```

delete_voice_facility

Removes specific rules or all rules for a given group CollabID. To remove specific rules, then the list the rules to remove in the parameter options. To remove all rules only specify the CollabID

SYNTAX

```
beectl delete_voice_facility --group_collabid <group_CollabID> [--include <phone
rules>] [--exclude <phone rules>]
```

OPTIONS

--group_collabid

The CollabID of the Group to have all of its rules deleted.

--include

The collection of inclusion phone number rules to remove from the given facility. The rules are delimited by pipes.

--exclude

The collection of exclusion phone number rules to remove from the given facility. The rules are delimited by pipes.

EXAMPLES

```
beectl delete_voice_facility --group_collabid
1234:grup:1234:5678 --include 1312???????|1713??????? --exclude
13129??????|17139??????
```

delete_workflow_schema

Deletes a workflow schema.

SYNTAX

```
beectl delete_workflow_schema --workflow_schema <identifier of the workflow schema
to be deleted>
```

OPTIONS

--workflow_schema

Specify the identifier of the workflow schema to be deleted. To determine the identifier of a workflow schema, use the list_workflow_schemas command.

EXAMPLES

```
beectl delete_workflow_schema --workflow_schema
wfsc=myWorkflowSchema,enpr=myEnterprise
```

delete_workflow_template

Deletes a workflow template.

SYNTAX

```
beectl delete_workflow_template --workflow_template <identifier of the workflow
template to be deleted>
```

OPTIONS

--workflow_template
Specify the identifier of the workflow template to be deleted. To determine the identifier of a workflow template, use the list_workflow_templates command.

EXAMPLES
```
beectl delete_workflow_template --workflow_template
wftm=myTemplateKey,enpr=myEnterprise
```

delete_workspace_template

Deletes an existing workspace template

SYNTAX
```
beectl delete_workspace_template --template <Workspace template identifier>
```

OPTIONS

--template
Workspace template identifier

EXAMPLES
```
beectl delete_workspace_template --template
9941:2345:ttws:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

delete_xmpp_chat_rooms

This command is used to delete an XMPP chat room by name (if it exists, else it is a NOOP) specified by the --roomname option. Room-names are case insensitive. This command can also be used to delete those XMPP chat rooms which have not been accessed for a period of days specified by the --olderthan option.

SYNTAX
```
beectl delete_xmpp_chat_rooms [--olderthan|--roomname] <Number of days/Room Name>
```

OPTIONS

--olderthan
Number of days/Room Name

--roomname
Number of days/Room Name

EXAMPLES
```
beectl delete_xmpp_chat_rooms --olderthan 60 OR beectl delete_
xmpp_chat_rooms --roomname "Oracle Beehive Sucks"
```

download_device_logs

Downloads the logs for a device. This command can either all log files for a device or all log files for a given application on the device or a particular log file.

SYNTAX

```
beectl download_device_logs --dest_dir <destination directory> {--device_log
<identifier of the device log> | --device <identifier of the device>
{--all|--application_name <name of the application> [--log_file_name <name of the
log file>]}}
```

OPTIONS

--dest_dir

Specify the full path of the destination directory. The directory must already exist.

--device_log

Specify the identifier of the device log. Use list_device_logs command to determine the identifier of the device log.

--device

Specify the identifier of the device. Use list_devices command to determine the identifier of the device.

--all

Specify this option to download all the log files for this device.

--application_name

Application Name

--log_file_name

Log File Name

EXAMPLES

```
beectl download_device_logs --dest_dir /tmp --device
1234:5678:devi:2E0329B0705F0E40E040578C92160957000000000434
--application_name MobileMail --log_file_name log.txt
```

download_language_pack

Exports language pack resources managed by the Beehive deployment. The exact resources exported and the output destination details are controlled by command options.

SYNTAX

```
beectl download_language_pack [ --full ] [ --only_built_in ] [ --only_custom ] [
--include_class_files ] [ --destination_file <dest_file> ] [ --destination_
directory <dest_dir> ] [ --base_name <base_name> ] [ --locale <locale> ]
```

OPTIONS

--full

include everything; other options are silently ignored.

--only_built_in

include built-in XLIFF file versions.

--only_custom

include custom XLIFF file versions.

--include_class_files

include JAR of internal classes used by runtime.

--destination_file

output destination file; directory extension should be provided, zip/jar recommended; the file must not exist.

--destination_directory

output destination directory; may exist; must not be used with --dest-file.

--base_name

include XLIFF with this base name; may be repeated; if omitted all base names are implicitly included.

--locale

include this locale for all base names; if omitted all locales are implicitly included.

EXAMPLES

```
beectl download_language_pack --full --destination_directory
"/tmp" --base_name "oracle.beehive.core.util" --locale "en_us"
```

download_ldap_group_data

The download_ldap_group_data command downloads groups information for an external directory into an XML file. The generated XML file can be used with add_ group command to create the groups.

SYNTAX

```
beectl download_ldap_group_data --file <filename> --profile <profile-name>
```

OPTIONS

--file

Name of the file to be created with group information in XML format.

--profile

Name of the directory profile.

EXAMPLES

```
beectl download_ldap_group_data --file Groups.xml --profile
MyDirectoryProfile
```

download_ldap_user_data

The download_ldap_user_data command downloads user information for an external directory into an XML file. The generated XML file can be used with add_users command to create the users.

SYNTAX

```
beectl download_ldap_user_data --file <filename> --profile <profile-name>
```

OPTIONS

--file
Name of the file to be created with user information in XML format.

--profile
Name of the directory profile.

EXAMPLES

```
beectl download_ldap_user_data --file Users.xml --profile
MyDirectoryProfile
```

download_syncml_messages

Downloads SyncML messages.

SYNTAX

```
beectl download_syncml_messages --directory <directory> --date <yyyy-MM-DD> [ --id
<ID> | --user_id <user_id>]
```

OPTIONS

--directory
Specify output destination directory. The directory must exist within the same server environment used by the Management Service.

--date
Specify the date of data to download. Use the YYYY-MM-DD format.

--id
Specify the server side synchronization session ID of data to download.

--user_id
Specify the server side synchronization session ID of data to download.

EXAMPLES
```
beectl download_syncml_messages --directory /syncml_messages
--date 2006-10-12 --id 105
```

download_syncml_sessions

Downloads SyncML messages.

SYNTAX
```
beectl download_syncml_sessions --file <file> --date <yyyy-MM-DD> [ --id <ID> |
--user_id <user_id>]
```

OPTIONS

--file

Specify output destination file. The file will be created within the same server environment used by the Management Service.

--date

Specify the date of data to download. Use the YYYY-MM-DD format.

--id

Specify the server side synchronization session ID of data to download.

--user_id

Specify the server side synchronization session ID of data to download.

EXAMPLES
```
beectl download_syncml_sessions --file /syncml_sessions.log
--date 2006-10-12 --id 105
```

download_workspace_template_schema

Downloads workspace template XML schema to a file

SYNTAX
```
beectl download_workspace_template_schema [--file <Full path of the output file>]
```

OPTIONS

--file

Full path of the output file

EXAMPLES
```
beectl download_workspace_template_schema --file /tmp/schema.xsd
```

export_audit_trail

Exports an existing audit trail by the given identifier

SYNTAX

```
beectl export_audit_trail --trail <Audit trail identifier> --file <Full path of
the output file>
```

OPTIONS

--trail
Audit trail identifier

--file
Full path name of the export file

EXAMPLES

```
beectl export_audit_trail --trail autr=MyAuditTrail --file
/tmp/trail.xml
```

export_client_application_configuration

Exports a client application configuration to a local file.

SYNTAX

```
beectl export_client_application_configuration --configuration <client application
configuration identifier> --file <destination file>
```

OPTIONS

--configuration
Specify the identifier of the client application configuration.

--file
Specify the full path and file name. Oracle recommends using the using an .xml
extension. If the file already exists, it will be overwritten.

EXAMPLES

```
beectl export_client_application_configuration --configuration
1234:5678:capc:123456789012345678912 --file
/tmp/client-app-config.xml
```

export_configuration_data

Exports configuration data for given configuration version.

SYNTAX

```
beectl export_configuration_data --file <output dir> [--configuration_version
<required version>] [--verbose] [--no_null_values] [--no_large_values] [--no_
binary_values] [--validate_output] [--only_custom_values]
```

OPTIONS

--configuration_version

Specifies configuration version. Valid values are proposed, active or any number equivalent to creation time of the configuration snapshot. Refer to the first column from the output of command list_configuration_versions for valid snapshot identifiers.

--file

XML output file in which data will be dumped.

--verbose

If specified, all metadata information about the property will be printed.

--no_null_values

If specified, null or empty values will not be printed.

--no_large_values

If specified, large string data will not be printed.

--no_binary_values

If specified, binary data will not be printed.

--only_custom_values

If specified, properties which do not have same value as their initial/default values, will be printed.

--validate_output

Validates the generated output file.

EXAMPLES

```
beectl export_configuration_data --verbose --no_large_values
--no_binary_values --no_null_values --validate_output
```

```
It transforms the generated XML into HTML output file available
at the same location as the XML.
```

```
Specifying Configuration Version: Any of the following can be
specified for accessing specific snapshot. If not specified,
latest proposed snapshot will be accessed.
```

```
--configuration_version 89098787 can be passed to use snapshot
having specific creation time as 89098787.
```

```
--configuration_version active can be passed for active
snapshot.
```

```
--configuration_version proposed can be passed for latest
proposed snapshot.
```

export_errorcodes

Search for occurrences of error codes

SYNTAX

```
beectl export_errorcodes [--start <DATE_TIME>] [--end <DATE_TIME>] [--errorcode
<STRING> ... |--exclude_errorcode <STRING> ... ] [--severity <string>] [--text
<string>] [--max_results <INTEGER>] [--display_exception_stack] [--attribute
<key>:<value> ... ] [--display_columns <STRING_LIST>] [--from_logs]    beectl
export_errorcodes --get_count_service_by_ec <STRING>   beectl export_errorcodes
--get_count_ec_by_service <STRING>
```

OPTIONS

--start

Start of time range

--end

End time range

--errorcode

Specific error codes to query for

--exclude_errorcode

Specific error codes to not search for

--severity

Minimum severity to restrict to

--text

Text in Exception stack or metadata parameters to search for

--max_results

Maximum number of results to return

--display_exception_stack

Should the Exception stack be printed

--display_columns

Comma separated list of columns to be displayed. Valid values are [service, messageid, displayname, severity, cause, effect, action, timestamp, exception_stack, ecid, service_inst_id, ctx_map]

--ecid

Execution Context ID

--service_inst_id

System object identifier or alias of either Service Instance or OC4J.

--get_count_service_by_ec

Service instance ID to get error code counts from, or all to aggregate over all service instances.

--get_count_ec_by_service
Error code to get counts from, or all to aggregate over all error codes.

--from_logs
Query the logs instead of the database.

--attrib
Search for one of the following attributes: bee_compid, bee_compname, bee_vthreadid, bee_principalid, bee_logonrecid.

EXAMPLES
```
beectl export_errorcodes --start 2007-10-10T06:00:00 --end
2007-10-10T08:00:00 --errorcode BEEU-10364
```

Search for all instances of BEEU-10364 between 6AM and 8AM on October 10, 2007.

```
beectl export_errorcodes --start 2007-10-10T06:00:00 --severity
WARNING --text 'QuotaException' --exclude_errorcode BEES-37968
```

Search for all error codes reported since 6AM on October 10, 2007

with severity at least warning and 'QuotaException' in any parameters passed to the error codes except for BEES-37968.

```
beectl export_errorcodes --errorcode BEES-38216 --display_
columns timestamp,cause,action,exception_stack
```

Search for all instances of error code BEES-38216, and display the timestamp, cause, action, and exception stack.

```
beectl export_errorcodes --get_count_service_by_ec
b94885f7-2876-4d95-90aa-76a060875ac6
```

Get counts of error code occurrences in service instance b94885f7-2876-4d95-90aa-76a060875ac6, by error code.

```
beectl export_errorcodes --get_count_ec_by_service BEEU-00822
```

Get counts of error code occurrences of type BEEU-00822, by service.

export_filesystem_logs
Search log files stored on host machines.

SYNTAX
```
beectl export_filesystem_logs --search_string <string> [--maximum_results <int>]
[--file_name_filter <string>] [--host_name_filter <string>] [--beehive_home_filter
<string>] [--output_target <string>] [--output_format <string>] [--display_source
```

```
<true|false>] [--display_original_copy <true|false>] [--columns <string_list>]
[--log_analysis <true|false>] [--report_time_range <string>] [--report_message_
type <string>] [--analysis_field <string_list>] [--get_latest <true|false>]
[--local_search <true|false>] [--log_root <string>] [--order_by <string>] [--sort
<string>]
```

OPTIONS

--search_string

A search string is composed of a single or a combination of search conditions. A search condition has a field name (e.g. user_id='janedoe'), an operation type (e.g. op='contains') and condition operands (!, &&, ||). The brackets "()" are used to group search conditions together. Valid search field names are: <ORG_ID | COMPONENT_ID | INSTANCE_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_TYPE | MSG_GROUP | MSG_LEVEL | MODULE_ID | PROCESS_ID | THREAD_ID | USER_ID | SUPPL_ATTRS | SUPPL_ATTR.NAME | SUPPL_ATTR.VALUE | UPSTREAM_COMPONENT_ID | DOWNSTREAM_COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | EXEC_CONTEXT_SEQ | ERROR_UNIQUE_ID | ERROR_SEQ | MSG_TEXT | MSG_ARGS | NAME | VALUE | DETAIL_PATH | SUPPL_DETAIL | TSTZ_ORIGINATING | TSTZ_NORMALIZED | HOST_ID | HOST_NWADDR | PROB_KEY | BEE_COMPID | BEE_COMPNAME | BEE_PRINCIPALID | BEE_LOGONRECID | BEE_VTHREADID | ATTRIBUTE_VALUE_TO_PRINCIPAL_ID | LOGIN_ID_TO_PRINCIPAL_ID>. Valid operation types are: <EQUALS | CONTAINS | STARTS_WITH | EQUALS_IGNORE_CASE | CONTAINS_IGNORE_CASE | STARTS_WITH_IGNORE_CASE | MATCHES | MATCHES_IGNORE_CASE>. Note: The search string must be enclosed in a pair of double-quotes and \ must be used to escape ! operand. Time stamp query condition can contain two values separated by a comma. Query fields ATTRIBUTE_VALUE_TO_PRINCIPAL_ID and LOGIN_ID_TO_PRINCIPAL_ID are special cases. Field ATTRIBUTE_VALUE_TO_PRINCIPAL_ID works with four operation types: <equals | contains | beginsWith | endsWith> and the search operation is always case-insensitive. But the operation type is not applicable to field LOGIN_ID_TO_PRINCIPAL_ID and any operation type specified for it will be ignored. Those fields are used to match corresponding BEE_PRINCIPAL_ID. Then the matched BEE_PRINCIPAL_ID will be used for the subsequent search with operation type <EQUALS_IGNORE_CASE> only.

--maximum_results

Maximum number of returned records. It tops out at 1,000, if the output_target is screen, otherwise there is no limit.

--file_name_filter

A file name filter is used to speed up searches. Use a comma to separate multiple values and a prefix # to specify excluding. Note: the prefix # is applied to all the values following it.

--host_name_filter

A host name filter is used to speed up searches. Use a comma to separate multiple values and a prefix # to specify excluding. Note: the prefix # is applied to all the values following it.

--beehive_home_filter

A Oracle Beehive home filter is used to speed up searches. Use a comma to separate multiple values and a prefix # to specify excluding. Note: the prefix # is applied to all the values following it.

--output_target

Specify if direct the output to the screen or to a file.

--output_format

Specify output format. Supported formats are ODL-Text and XML.

--display_source

Default to false. Specify if display the name of the log file source for the returned record.

--display_original_copy

Default to false. Specify if display the original copy for the returned record.

--columns

Default is to display all the log record fields. Restrict to display only specified fields. Valid field names are: <ORG_ID | COMPONENT_ID | INSTANCE_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_TYPE | MSG_GROUP | MODULE_ID | PROCESS_ID | THREAD_ID | USER_ID | SUPPL_ATTRS | UPSTREAM_COMPONENT_ID | DOWNSTREAM_COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | ERROR_UNIQUE_ID | MSG_TEXT | MSG_ARGS | DETAIL_PATH | SUPPL_DETAIL | TSTZ_ORIGINATING | TSTZ_NORMALIZED | HOST_ID | HOST_NWADDR | PROB_KEY | BEE_COMPID | BEE_PRINCIPALID | BEE_COMPNAME | BEE_LOGONRECID | BEE_VTHREADID>. Note: field TSTZ_ORIGINATING will always be displayed.

--log_analysis

Default to false. Specify if choose to do the log analysis.

--report_time_range

Specify the desired time range for log analysis report. Only apply when option log_analysis is true.

--report_message_type

Specify the desired message type of the unique message count for log analysis report. Only apply when option log_analysis is true.

--analysis_field

Specify the desired unique count analysis field. Valid field names are: <ORG_ID | COMPONENT_ID | INSTANCE_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_GROUP | MODULE_ID | PROCESS_ID | THREAD_ID | USER_ID | UPSTREAM_COMPONENT_ID | DOWNSTREAM_COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | ERROR_UNIQUE_ID | MSG_TEXT | DETAIL_PATH | SUPPL_DETAIL | HOST_ID | HOST_NWADDR | PROB_KEY | BEE_COMPID | BEE_COMPNAME | BEE_PRINCIPALID | BEE_LOGONRECID | BEE_VTHREADID>

--get_latest

Default to false. Specify if choose to get the latest log record.

--order_by

Valid order-by column names are: <TSTZ_ORIGINATING | TSTZ_NORMALIZED | ORG_ID | COMPONENT_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_TYPE | MSG_GROUP | HOST_ID | HOST_NWADDR | MODULE_ID | PROCESS_ID | USER_ID | UPSTREAM_COMPONENT_ID | DOWNSTREAM_COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | ERROR_UNIQUE_ID | THREAD_ID | INSTANCE_ID | MSG_TEXT | BEE_COMPID | BEE_PRINCIPALID | BEE_ COMPNAME | BEE_LOGONRECID | BEE_VTHREADID>.

--sort

The query result set can be sorted in ascending or descending order.

--local_search

Default to false. Specify if choose to search log files on the local machine only. Only work when the log_root option is also specified.

--log_root

Specify the log file root for local_search option.

EXAMPLES

```
beectl export_filesystem_logs --search_string "((user_
id='janedoe'||user_id='johndoe')&&\!component_id='j2ee')&&(msg_
text='esb_console' op='contains')"
```

```
beectl export_filesystem_logs --search_string "(TSTZ_
ORIGINATING='2007-05-31T17:06:45.620-07:00,2007-05-31T17:08:15.6
39-07:00')"
```

```
beectl export_filesystem_logs --search_string "(TSTZ_
ORIGINATING='2007-05-31T17:06:45.620-07:00')" --maximum_results
10
```

```
beectl export_filesystem_logs --search_string "(user_
id='janedoe'&&module_id='security.oc4j')" --file_name_filter
beeapp/log.txt,beemgmt --host_name_filter
#some-host-name,some-other-host-name --beehive_home_filter
/root/dir/product/1.0.6.1.0/beehive_119 --output_target
/tmp/temp.log --output_format xml --maximum_results 16
```

```
beectl export_filesystem_logs --log_analysis --report_time_range
2880 --local_search --log_root log_root/some_log_directory
```

export_icalendar

Export invitations and assignments from a calendar and/or task list to an iCalendar file.

SYNTAX

```
beectl export_icalendar --file <file> [--overwrite] [--charset <character set>] {
--do_as <unique_identifier> | --do_as_address <uri> | --do_as_authuser <authuser>
} [{ --calendar <unique_identifier> | --nocalendar }] [{ --tasklist <unique_
identifier> | --notasklist }] [--filter_uid <icalendar_uid>] [--filter_organizer
<uri>] [--filter_timerange_start <date-time>] [--filter_timerange_end <date-time>]
[--authuser <authuser> --authpassword <password>] [--obfuscated]
```

OPTIONS

--file

Specify the full path and name of the iCalendar file to export.

--overwrite

Specify this option to overwrite the iCalendar export file if it already exists.

--charset

Specify the character set that is to be used in the iCalendar file that is being exported (http://www.iana.org/assignments/character-sets).

--do_as

Specify the unique identifier of the user or resource performing the action.

--do_as_address

Specify the Uniform Resource Identifier (URI) of the user or resource performing the action.

--do_as_authuser

Specify the login name of the user performing the action.

--calendar

Specify the unique identifier of the source calendar, the default calendar of the "do_as" entity will be used if nothing is specified.

--tasklist

Specify the unique identifier of the source task list, the default task list of the "do_as" entity will be used if nothing is specified.

--filter_uid

Specify a iCalendar UID. This will filter the export to include only invitations and assignments matching the iCalendar UID.

--filter_organizer

Specify an organizer URI. This will filter the export to include only invitations and assignments matching the organizer.

--filter_timerange_start

Specify a start date. This will filter the export to include only invitations and assignments after the specified date.

--filter_timerange_end

Specify an end date. This will filter the export to include only invitations and assignments before the specified date.

--nocalendar

Do not export from a calendar (VEVENT components will not be exported).

--notasklist

Do not export from a task list (VTODO components will not be exported).

EXAMPLES

```
beectl export_icalendar --file file.ics --do_as_address
user@example.com --filter_timerange_start 2007-01-01T01:01:01Z
--filter_timerange_end 2007-02-01T01:01:01Z
```

export_logs

With an option of refreshing the repository first, query the repository to get relevant log records from log files stored on host machines.

SYNTAX

```
beectl export_logs {{ --query_string <string> [ --refresh_repository <true> ]} |
--refresh_repository <true> } [--order_by <string>] [--sort <string>] [--columns
<string_list>] [--output_target <string>] [--output_format <string>] [--display_
source <true|false>] [--maximum_results <int>]
```

OPTIONS

--query_string

Mandatory if option "refresh_repository" is not specified. A query string is composed of a single or a combination of query conditions. A query condition has a field name (e.g. user_id='janedoe'), an operation type (e.g. op='contains') and condition operands (!, &&, | |). The brackets "()" are used to group query conditions together. Valid query field names are: <TSTZ_ORIGINATING | TSTZ_NORMALIZED | ORG_ID | COMPONENT_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_TYPE | MSG_ GROUP | MSG_LEVEL | HOST_ID | HOST_NWADDR | MODULE_ID | PROCESS_ID | USER_ID | UPSTREAM_COMPONENT_ID | DOWNSTREAM_ COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | ERROR_UNIQUE_ID | THREAD_ID | INSTANCE_ID | MSG_TEXT | BEE_COMPID | BEE_PRINCIPALID | BEE_COMPNAME | BEE_LOGONRECID | BEE_VTHREADID | ATTRIBUTE_ VALUE_TO_PRINCIPAL_ID | LOGIN_ID_TO_PRINCIPAL_ID>. Valid operation types are: <EQUALS | CONTAINS | STARTS_WITH | EQUALS_IGNORE_CASE | CONTAINS_IGNORE_CASE | STARTS_WITH_IGNORE_CASE | MATCHES | MATCHES_IGNORE_CASE>. Note: The query string must be enclosed in a pair of double-quotes and \ must be used to escape ! operand. Time stamp query condition can contain two values separated by a comma. Query fields ATTRIBUTE_VALUE_ TO_PRINCIPAL_ID and LOGIN_ID_TO_PRINCIPAL_ID are special cases. Field ATTRIBUTE_VALUE_TO_PRINCIPAL_ID works with four operation types: <equals | contains | beginsWith | endsWith> and the search operation is always case-insensitive. But the operation type is not applicable to field LOGIN_ID_TO_ PRINCIPAL_ID and any operation type specified for it will be ignored. Those fields are used to match corresponding BEE_PRINCIPAL_ID. Then the matched BEE_ PRINCIPAL_ID will be used for the subsequent query with operation type <EQUALS> only.

--refresh_repository

Mandatory if option "query_string" is not specified. Force an upload of all the log files to refresh the repository.

--order_by

Valid order-by column names are: <TSTZ_ORIGINATING | TSTZ_NORMALIZED | ORG_ID | COMPONENT_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_TYPE | MSG_GROUP | MSG_LEVEL | HOST_ID | HOST_NWADDR | MODULE_ID | PROCESS_ID | USER_ID | UPSTREAM_COMPONENT_ID | DOWNSTREAM_ COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | ERROR_UNIQUE_ID | THREAD_ID | INSTANCE_ID | MSG_TEXT | BEE_COMPID | BEE_PRINCIPALID | BEE_COMPNAME | BEE_LOGONRECID | BEE_VTHREADID>.

--sort

The query result set can be sorted in ascending or descending order.

--columns

Default is to display all the log record fields. Restrict to display only specified fields. Valid field names are: <ORG_ID | COMPONENT_ID | INSTANCE_ID | MSG_ID | HOSTING_CLIENT_ID | MSG_TYPE | MSG_GROUP | MODULE_ID | PROCESS_ ID | THREAD_ID | USER_ID | SUPPL_ATTRS | UPSTREAM_COMPONENT_ID | DOWNSTREAM_COMPONENT_ID | EXEC_CONTEXT_UNIQUE_ID | ERROR_ UNIQUE_ID | MSG_TEXT | MSG_ARGS | DETAIL_PATH | SUPPL_DETAIL | TSTZ_ORIGINATING | TSTZ_NORMALIZED | HOST_ID | HOST_NWADDR | PROB_KEY | BEE_COMPID | BEE_PRINCIPALID | BEE_COMPNAME | BEE_ LOGONRECID | BEE_VTHREADID>. Note: field TSTZ_ORIGINATING will always be displayed.

--output_target

Specify if direct the output to the screen or to a file.

--output_format

Specify output format. Supported formats are ODL-Text and XML.

--display_source

Default to false. Specify if display the name of the log file source for the returned record.

--maximum_results

Maximum number of returned records.

EXAMPLES

```
beectl export_logs --refresh_repository true

beectl export_logs --query_string "((user_id='janedoe'||user_
id='johndoe')&&\!component_id='j2ee')&&(msg_text='esb_console'
op='contains')"

beectl export_logs --query_string "(TSTZ_
ORIGINATING='2007-05-31T17:06:45.620-07:00,2007-05-31T17:08:15.6
39-07:00')"

beectl export_logs --query_string "(TSTZ_
ORIGINATING='2007-05-31T17:06:45.620-07:00')" --maximum_results
10

beectl export_logs --query_string "(user_id='janedoe'&&module_
id='security.oc4j')" --order_by THREAD_ID --sort descending
--columns MODULE_ID --columns USER_ID --columns USER_ID
```

```
--columns MSG_TEXT --columns THREAD_ID --output_target
/tmp/temp.log --output_format xml --display_source true
--maximum_results 10
```

export_policy

Exports policy data into an XML file.

SYNTAX

```
beectl export_policy --policy_name <name of the policy to export> --scope
<identifier of the container where the policy is defined> --destination
<destination directory where the XML file will be exported>--verbose true or false
to store in verbose or compact form
```

OPTIONS

--policy_name
Specify the name of the policy to export.

--scope
Specify the policy container identifier.

--destination
Specify the destination directory for the XML file.

--verbose
Specify whether to store the rule conditions of policy in verbose form or compact form.

EXAMPLES

```
beectl export_policy --policy_name MyPolicy --scope
enpr=MyEnterprise --destination /private--verbose true
```

export_workflow_template

Exports a workflow template into an XML file.

SYNTAX

```
beectl export_workflow_template --workflow_template <identifier of the workflow
template to be exported> --destination <destination directory of the generated xml
file>
```

OPTIONS

--workflow_template
Specify the identifier of the workflow template to be exported. To determine the
identifier of a workflow template, use the list_workflow_templates command.

--destination
Specify the destination directory for the XML file.

EXAMPLES
```
beectl export_workflow_template --workflow_template
31BE:6DDD:wftm:3B8937F59ACC1A3AE040578C9509017900000007A121
--destination /private
```

import_coexistence_data

Import data from the remote collaboration system for a given user.

SYNTAX
```
beectl import_coexistence_data {--user <user_cen> | --email <user_email> }
[--data_type <type>] [--timerange_start <start>] [--relative_timerange_start
<relative_start>] [--timerange_end <end>] [--relative_timerange_end <relative_
end>]
```

OPTIONS

--user
Specify the identifier of the user.

--email
Specify the e-mail address of the user.

--data_type
Type of data to import from remote collaboration system. Must be MEETING, TASK , CONTACT or MESSAGE.

--timerange_start
Start date time of import time range.

--relative_timerange_start
Start time of import time range specified by number of days relative to current time (eg. -30)

--timerange_end
End date time of import time range.

--relative_timerange_end
End time of import time range specified by number of days relative to current time (eg. 90)

EXAMPLES
```
beectl import_coexistence_data --user loginid=user_loginid
--data_type MESSAGE --data_type MEETING --relative_timerange_
start=-90 --relative_timerange_end 90

beectl import_coexistence_data --email user@example.com --data_
type MEETING --timerange_start 2007-10-01T12:00:00Z --timerange_
end NOW
```

```
beectl import_coexistence_data --user loginid=user_loginid
--data_type MEETING --timerange_start=-INFINITY --timerange_end
INFINITY
```

import_documents

Imports documents into Beehive from files on the server without copying the file content. Data on the server files will be treated as read-only; should an imported document be edited in Beehive, a copy of the content will be made at that time.

SYNTAX

```
beectl import_documents --filesystem_reference <Identifier of the file system
reference> --folder_path <Folder path> [ --name_filter <Name filter> ] [
--conflict_resolution_mode <ABORT, OVERWRITE, or CREATE_UNIQUE> ]
```

OPTIONS

--filesystem_reference

Identifier of the file system reference to import from.

--folder_path

Full path of the Beehive folder to import to. E.g. /MyEnterprise/MyOrganization/MyWorkspace/Documents/MyFolder would import to MyFolder.

--name_filter

(Optional) Filter to use for choosing which documents to import. Syntax is equivalent to SQL LIKE. E.g. 'file%' would import file1, file2.txt, but not my_file. If not specified, defaults to '%', which includes all documents.

--conflict_resolution_mode

(Optional) How to handle naming conflicts between existing Beehive documents and new documents being imported. ABORT will avoid creating the conflicting document, OVERWRITE will overwrite the conflicting document, and CREATE_UNIQUE will create a unique name for the imported document. If not specified, defaults to CREATE_UNIQUE.

EXAMPLES

```
beectl import_documents --filesystem_reference
fsref=MyFilesystemReference,enpr=MyEnterprise --folder_path
/MyEnterprise/MyOrganization/MyWorkspace/Documents/MyFolder
--name_filter %.txt --conflict_resolution_mode CREATE_UNIQUE
```

import_icalendar

Import an iCalendar file to an existing calendar and/or task list. If an iCalendarObject has a UID that already exists in the destination calendar and/or task list it will be re-created. VCALENDAR components can have many VEVENT and VTODO sub-components with different UIDs but sub-components of the same UID must be consecutive. A VCALENDAR component imported with a

METHOD:X-ORACLE-DELETE or METHOD:CANCEL will cause all sub-components to be deleted.

SYNTAX

```
beectl import_icalendar --file <file> [--charset <character set>] { --do_as
<unique_identifier> | --do_as_address <uri> | --do_as_authuser <authuser> }
[--continue_on_error] [{ --calendar <unique_identifier> | --nocalendar }] [{
--tasklist <unique_identifier> | --notasklist }] [--authuser <authuser>
--authpassword <password>] [--obfuscated] [--holiday] [--migration
[--reconciliation]] [--removeicalname <canonical_ical_name>]
```

OPTIONS

--file

Specify the full path and name of the iCalendar file to import.

--charset

Specify the character set that is used in the iCalendar file that is being imported (http://www.iana.org/assignments/character-sets).

--do_as

Specify the unique identifier of the user or resource performing the action.

--do_as_address

Specify the Uniform Resource Identifier (URI) of the user or resource performing the action.

--do_as_authuser

Specify the login name of the user performing the action.

--continue_on_error

Force the tool to continue the import even if some of the iCalendar objects fail to be imported.

--calendar

Specify the unique identifier of the destination calendar, the default calendar of the "do_as" entity will be used if nothing is specified.

--tasklist

Specify the unique identifier of the destination task list, the default task list of the "do_as" entity will be used if nothing is specified.

--nocalendar

Do not import to a calendar (Discard VEVENT components).

--notasklist

Do not import to a task list (Discard VTODO components).

--holiday

All events imported in a team workspace will be imported as Holiday events.

--migration

Specify that all the iCalendar file will be imported in the context of a migration. All users participation status can be set by the importer and a limited number of Oracle Beehive events will be raised.

--reconciliation

Specify that a reconciliation should be done for existing meetings attended by the user before he was created in the system, this option can only be used if --migration is used.

--removeicalname

Remove canonical iCAL names such as VCALENDAR.VEVENT.VALARM, VCALENDAR.VEVENT.ORGANIZER.

EXAMPLES

```
beectl import_icalendar --file file.ics --do_as_address
user@example.com
```

import_timezones

Imports time zone definitions to the database.

SYNTAX

```
beectl import_timezones --file <absolute path of tzInfoPkg.xml>
```

OPTIONS

--file

Specify the full path and file name of the time zone definition file (tzInfoPkg.xml).

EXAMPLES

```
beectl import_timezones --file $ORACLE_
HOME/beehive/seed/tm/tzInfoPkg.xml
```

list_access_control_fields

Lists the AccessControlFields of an entity.

SYNTAX

```
beectl list_access_control_fields --entity <unique identifier of the entity>
```

OPTIONS

--entity

Specify the unique identifier of the entity for which the AccessControlFields should be listed.

EXAMPLES

```
beectl list_access_control_fields --entity
adoc=MyDocument,wksp=MyWorkspace,enpr=MyEnterprise
```

list_access_types

Lists available access type names and identifiers.

SYNTAX

```
beectl list_access_types
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_access_types
```

list_assigned_roles

Lists AssignedRole entities.

SYNTAX

```
beectl list_assigned_roles [--scope <unique identifier of the Scope>] [--name
<like string>] [--role_definition <like string>]
```

OPTIONS

--scope

Specify the unique identifier of the Scope of the AssignedRoles to be listed. If not specified the Scope will be the Enterprise.

--name

Specify the name pattern for the AssignedRoles to be listed. If not specified all accessible AssignedRoles will be returned.

--role_definition

Specify the name pattern for the RoleDefinitions of the AssignedRoles to be listed. If not specified any corresponding RoleDefinition is allowed for the returned AssignedRoles.

EXAMPLES

```
beectl list_assigned_roles --scope
wksp=MyWorkspace,enpr=MyEnterprise --name MyAssignedRole
```

list_attendant_aaml

Prints the Auto Attendant Markup Language for an auto attendant.

SYNTAX

```
beectl list_attendant_aaml --name <attendant name>
```

OPTIONS

--name
Name of the attendant to be displayed.

EXAMPLES
```
beectl list_attendant_aaml --name myAttendant
```

list_attendant_prompts

Lists all prompts that have been uploaded for an attendant.

SYNTAX
```
beectl list_attendant_prompts --name <attendant name>
```

OPTIONS

--name
Name of the attendant for which to display prompts.

EXAMPLES
```
beectl list_attendant_prompts --name my_attendant
```

list_attendants

Lists all attendants in the system.

SYNTAX
```
beectl list_attendants
```

OPTIONS
This command has no options

EXAMPLES
```
beectl list_attendants
```

list_audit_events

Lists auditable events

SYNTAX
```
beectl list_audit_events
```

OPTIONS
This command has no options

EXAMPLES
```
beectl list_audit_events
```

list_audit_policies

Lists audit policies and prints policy information

SYNTAX
```
beectl list_audit_policies [--name <Name of the audit policy>] [--container
<Container identifier>]
```

OPTIONS

--name
Name of the audit policy

--container
Container identifier

EXAMPLES
```
beectl list_audit_policies --name MyAuditPolicy
```
```
beectl list_audit_policies --name MyAuditPolicy --container
enpr=MyEnterprise
```

list_audit_templates

Lists audit policy templates and prints template information. Use --name option for detailed information about each audit policy template

SYNTAX
```
beectl list_audit_templates [--name <Name of the audit template>]
```

OPTIONS

--name
Name of the audit template

EXAMPLES
```
beectl list_audit_templates --name "Artifact access"
```

list_audit_trails

Lists audit trails and prints trail information

SYNTAX
```
beectl list_audit_trails [--name <Name of the audit trail>]
```

OPTIONS

--name
Name of the audit trail

EXAMPLES
```
beectl list_audit_trails --name MyAuditTrail
```

list_bootstrap_configuration

Displays bootstrap configuration for local Application tier.

SYNTAX
```
beectl list_bootstrap_configuration
```

OPTIONS
This command has no options

EXAMPLES
```
beectl list_bootstrap_configuration
```
```
beectl list_bootstrap_configuration --display_internal_details
```
```
Above command shows detailed properties also.
```

list_calendars

Lists the existing calendars of a user, resource or workspace.

SYNTAX
```
beectl list_calendars { --calendarowner <unique_identifier> | --select_by_address
<uri> | --select_by_authuser <authuser> --select_by_user_name <user_name> |
--select_by_resource_name <resource_name> | --select_by_workspace_name <workspace_
name> }
```

OPTIONS

--calendarowner
Specify the unique identifier of a user, resource or workspace.

--select_by_address
Specify the Uniform Resource Identifier (URI) of a user, resource or team workspace.

--select_by_authuser
Specify the login name of a user.

--select_by_user_name
Specify the name of a user.

--select_by_resource_name

Specify the name of a resource.

--select_by_workspace_name

Specify the name of a workspace.

EXAMPLES

```
beectl list_calendars --select_by_address user@example.com
```

list_categories

Lists the categories in the enterprise.If the recurse option is used then sub-categories are also listed.

SYNTAX

```
beectl list_categories --recurse <Y/N> --parent_category <Identifier of the parent
category> --output_format <XML>
```

OPTIONS

--recurse

Control the categories that are returned. Use the Y argument with this option to return all categories in an enterprise. Use the N argument with this option to return only root level categories.

--parent_category

Unique Identifier for Parent Category.

--output_format

If 'XML' the output is sent as XML to standard out else its printed as table on standard output.

EXAMPLES

```
beectl list_categories --recurse Y --parent_category
421C:6639:catg:3BF460625AB3FCC9E040548C1C8279630000000001FF

beectl list_categories --recurse Y --parent_category
catg=Resource_US,catg=Resource_ROOT,enpr=bee_ent --output_format
XML
```

list_category

Prints information about a category given a category identifier

SYNTAX

```
beectl list_category --category <Identifier of the category to be listed>
```

OPTIONS

--category
Specify the identifier of the category.

EXAMPLES
```
beectl list_category --category
421C:6639:catg:3BF460625AB3FCC9E040548C1C82796300000000020B

beectl list_category --category catg=Resource_US,catg=Resource_
ROOT,enpr=bee_ent
```

list_category_configuration

Lists the category configuration on the given scope or heterogeneous folder.

SYNTAX
```
beectl list_category_configuration --container <Configuration scope or
heterogenous folder>
```

OPTIONS

--container
Scope or heterogeneous folder on which the category configuration should be listed.

EXAMPLES
```
beectl list_category_configuration --container
orgn=MyOrganization,enpr=MyEnterprise
```

list_client_application_configuration

Lists the client application configurations.

SYNTAX
```
beectl list_client_application_configuration {--configuration <client application
configuration identifier >|--community <community identifier>}
```

OPTIONS

--community
Specify the identifier of the community.

--configuration
Specify the identifier of the client application configuration.

EXAMPLES
```
beectl list_client_application_configuration --configuration
1234:5678:capc:2E0329B0705F0E40E040578C9216095700000000434
```

```
beectl list_client_application_configuration --community
1234:5678:orgn:2E0329B0705F0E40E040578C92160957000000000321
```

list_client_application_modules

Lists the modules for a given client application patch set.

SYNTAX

```
beectl list_client_application_modules --patchset <identifier of the client
application patch set>
```

OPTIONS

--patchset

Specify the identifier of the client application patch set. Use list_client_application_
patchsets command to determine the identifier of a client application patch set.

EXAMPLES

```
beectl list_client_application_modules --patchset
1234:5678:capp:2E0329B0705F0E40E040578C92160957000000000434
```

list_client_application_patchsets

Lists the patch sets for a given client application version.

SYNTAX

```
beectl list_client_application_patchsets --application_version <identifier of the
client application version>
```

OPTIONS

--application_version

Specify the identifier of the client application version. Use list_client_application_
versions command to determine the identifier of a client application version.

EXAMPLES

```
beectl list_client_application_patchsets --application_version
1234:5678:capv:2E0329B0705F0E40E040578C92160957000000000434
```

list_client_application_versions

Lists all the versions for a given client application.

SYNTAX

```
beectl list_client_application_versions --application <identifier of the client
application>
```

OPTIONS

--application
Specify the identifier of the client application. Use list_client_applications command to determine the identifier of the client application.

EXAMPLES
```
beectl list_client_application_versions --application
1234:5678:capn:2E0329B0705F0E40E040578C92160957000000000434
```

list_client_applications

Lists all the client applications.

SYNTAX
```
beectl list_client_applications
```

OPTIONS
This command has no options

EXAMPLES
```
beectl list_client_applications
```

list_coexistence_connectors

Lists all coexistence connectors for 3rd party collaboration systems.

SYNTAX
```
beectl list_coexistence_connectors
```

OPTIONS
This command has no options

EXAMPLES
```
beectl list_coexistence_connectors
```

list_coexistence_profiles

Lists the profile of coexisting users.

SYNTAX
```
beectl list_coexistence_profiles [--show] [{--user <user_identifier> | --email
<user_email> | {--users_without_profile | --users_with_profile} --file <file_
name>}]
```

OPTIONS

--user
Specify the identifier of the user.

--email
Specify the e-mail address of the user.

--users_without_profile
List users without a coexistence profile in a XML document.

--users_with_profile
List users with a coexistence profile in a XML document.

--file
Specify the name of the file in which the list of non coexisting users should be written.

--show
Specify the details level. Supported values: MORE, ALL.

EXAMPLES

```
beectl list_coexistence_profiles

beectl list_coexistence_profiles --users_without_profile --file
users.xml

beectl list_coexistence_profiles --user loginid=user_loginid
--show ALL
```

list_coexistence_status

Reports the status of the coexisting containers and coexistence profiles.

SYNTAX

```
beectl list_coexistence_status [--calendar] [--tasklist] [--addressbook]
[--message_inbox] [--profile]
```

OPTIONS

--calendar
Lists calendar coexistence status.

--tasklist
Lists task list coexistence status.

--addressbook
Lists address book coexistence status.

--message_inbox
Lists message inbox coexistence status.

--profile

Lists coexistence profile registration status.

EXAMPLES

```
beectl list_coexistence_status

beectl list_coexistence_status --profile

beectl list_coexistence_status --calendar

beectl list_coexistence_status --calendar --addressbook
--message_inbox
```

list_coexistence_systems

Lists all coexistence remote collaboration systems.

SYNTAX

```
beectl list_coexistence_systems
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_coexistence_systems
```

list_command_metadata

Lists all the metadata about given command.

SYNTAX

```
beectl list_command_metadata --command_name <command name>
```

OPTIONS

--command_name

Command name.

EXAMPLES

```
beectl list_command_metadata --command_name list_command_
metadata
```

list_commands

Lists the command names based on the given criteria.

It also lists all the available categories and actions for easy access. If the command is executed with various options then the result would be command names qualifying for ALL specified criteria rather than ONE OR MORE of the criteria.

SYNTAX

```
beectl list_commands (--display_actions | --display_categories | ( [--action
<action name>] [--category <category name> ] [--name <substring of desired command
list> ] [--advanced] [--all_visibilities])
```

OPTIONS

--display_actions

Displays all available actions.

--display_categories

Displays all available categories.

--action

Search will be based on given action.

--category

Search will be based on given category. This option can be supplied multiple times.

--name

Command name substring, a regular expression using * or ? can be used as option value. Blank search using * or ? meta characters only is not supported. Though these characters can be used at the end of the pattern. For example, list* is a valid pattern, but *list is not.

--advanced

Lists advanced visibility data.

--all_visibilities

Lists general and advanced visibility data.

--internal

Lists internal visibility data.

--deprecated

Lists deprecated visibility data.

EXAMPLES

```
beectl list_commands --display_actions
```

```
beectl list_commands --display_categories
```

```
beectl list_commands --advanced
```

```
beectl list_commands --category "users" --category "coexistence"
--action LIST
```

```
Above example will return all command names having general
visibility, cateories users, coexistence and action LIST.
```

```
beectl list_commands --category "users" --name oc4j
```

```
Above example will list all the commands which have "oc4j" in
their name.
```

```
Specifying Visibility Options: Any of the following options can
be used for specific visibility data.

--advanced can be passed to include advanced visibility data.

--all_visibilities can be passed to include general and advanced
visibility data.
```

list_components

Lists components in the configuration repository.

If no option is specified, then all the components in the configuration repository will be listed.

When --type <type name> is specified all the components of that type are listed.

When --use_local_home flag is specified, only managed system components from the current ORACLE HOME is returned.

All the property values are assumed to be strings and with that assumption search is performed.

SYNTAX

```
beectl list_components (--display_types |[--type <type name>)] [--use_local_home]
[--configuration_version <required version>])
```

OPTIONS

--display_types
Displays all the valid component types.

--type
Lists all components of given type.

--use_local_home
Searches only in the current ORACLE HOME.

--configuration_version
Specifies configuration version. Valid values are proposed, active or any number equivalent to creation time of the configuration snapshot. Refer to the first column from the output of command list_configuration_versions for valid snapshot identifiers.

EXAMPLES

```
beectl list_components
```

```
beectl list_components --type ServiceInstance

Lists all the components of type ServiceInstance.


beectl list_components --display_types

Above example lists all valid component type names.
```

Specifying Configuration Version: Any of the following can be specified for accessing specific snapshot. If not specified, latest proposed snapshot will be accessed.

--configuration_version 89098787 can be passed to use snapshot having specific creation time as 89098787.

--configuration_version active can be passed for active snapshot.

--configuration_version proposed can be passed for latest proposed snapshot.

list_conference_templates

Lists conference-template artifacts under workspace

SYNTAX
```
beectl list_conference_templates --parent <Workspace identifier> --count-limit <A
count limit for a list of conference templates>
```

OPTIONS

--parent
Workspace identifier

--count-limit
A count limit for a list of conference templates

EXAMPLES
```
beectl list_conference_templates --parent
6490:45C8:wspr:F20E3F75004040B5AE14B64B96F89C3A000000000022
```

list_conferences

Lists conference artifacts under workspace

SYNTAX
```
beectl list_conferences --parent <Workspace identifier> --count-limit <A count
limit for a list of conferences>
```

OPTIONS

--parent
Workspace identifier

--count-limit
A count limit for a list of conferences

EXAMPLES
```
beectl list_conferences --parent
6490:45C8:wspr:F20E3F75004040B5AE14B64B96F89C3A000000000022
```

list_configuration_versions

Lists all available configuration versions and activation time information

SYNTAX
```
beectl list_configuration_versions [--configuration_version <required version>]
```

OPTIONS

--configuration_version
Specifies configuration version. Valid values are proposed, active or any number equivalent to creation time of the configuration snapshot. Refer to the first column from the output of command list_configuration_versions for valid snapshot identifiers.

EXAMPLES
```
beectl list_configuration_versions


Specifying Configuration Version: Any of the following can be
specified for accessing specific snapshot. If not specified,
latest proposed snapshot will be accessed.

--configuration_version 89098787 can be passed to use snapshot
having specific creation time as 89098787.

--configuration_version active can be passed for active
snapshot.

--configuration_version proposed can be passed for latest
proposed snapshot.
```

list_connection_pools

Lists available connection pools in the system.

SYNTAX
```
beectl list_connection_pools
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_connection_pools
```

list_custom_user_properties

The list_custom_user_properties command lists all custom properties of users.

SYNTAX

```
beectl list_custom_user_properties
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_custom_user_properties
```

list_deployment_templates

Lists the available deployment templates in central configuration repository

SYNTAX

```
beectl list_deployment_templates [ --component <component ID> ] [--configuration_
version <required version>] [--advanced] [--all_visibilities]
```

OPTIONS

--component

Alias or identifier of deployment template configuration object.

--configuration_version

Specifies configuration version. Valid values are proposed, active or any number equivalent to creation time of the configuration snapshot. Refer to the first column from the output of command list_configuration_versions for valid snapshot identifiers.

--advanced

Lists advanced visibility data.

--all_visibilities

Lists general and advanced visibility data.

--internal

Lists internal visibility data.

--deprecated
Lists deprecated visibility data.

EXAMPLES

```
beectl list_deployment_templates
```

Specifying Configuration Version: Any of the following can be
specified for accessing specific snapshot. If not specified,
latest proposed snapshot will be accessed.

--configuration_version 89098787 can be passed to use snapshot
having specific creation time as 89098787.

--configuration_version active can be passed for active
snapshot.

--configuration_version proposed can be passed for latest
proposed snapshot.

Specifying Visibility Options: Any of the following options can
be used for specific visibility data.

--advanced can be passed to include advanced visibility data.

--all_visibilities can be passed to include general and advanced
visibility data.

list_device_commands

Lists the device commands for a given device. The list can be further filtered by
specifying the status of the device command.

SYNTAX

```
beectl list_device_commands --device <identifier of the device> [--status <device
command status>]
```

OPTIONS

--device
Specify the identifier of the device. Use list_devices command to determine the
identifier of the device.

--status
Specify the status of the device command. The following are the valid command
statuses: PENDING SUCCESS ERROR WARNING

EXAMPLES

```
beectl list_device_commands --device
1234:5678:devi:12345678901234567890 --status PENDING
```

list_device_logs

Lists the device logs for a given device.

SYNTAX

```
beectl list_device_logs --device <identifier of the device>
```

OPTIONS

--device

Specify the identifier of the device. Use list_devices command to determine the identifier of the device.

EXAMPLES

```
beectl list_device_logs --device
1234:5678:devi:1234567890123456789012
```

list_device_profiles

Lists all the device profiles.

SYNTAX

```
beectl list_device_profiles
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_device_profiles
```

list_device_types

Lists all the device types.

SYNTAX

```
beectl list_device_types
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_device_types
```

list_devices

Lists the devices for a user.

SYNTAX

```
beectl list_devices --user <identifier of the user>
```

OPTIONS

--user

Specify the identifier of the user owing the device. Use list_users command to determine the identifier of a user.

EXAMPLES

```
beectl list_devices --user
1234:5678:user:2E0329B0705F0E40E040578C92160957000000000434
```

list_directory_profiles

The list_directory_profiles command lists directory profiles in an XML file.

SYNTAX

```
beectl list_directory_profiles --file <filename>
```

OPTIONS

--file

XML file to be created.

EXAMPLES

```
beectl list_directory_profiles --file MyDirectoryProfile.xml
```

list_enterprises

Lists all enterprises and prints names and identifiers

SYNTAX

```
beectl list_enterprises
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_enterprises
```

list_errorcode_catalog

List all error code definitions in Oracle Beehive.

SYNTAX

```
beectl list_errorcode_catalog [--display_columns <STRING_LIST>] [--errorcode_range
<xxxxx-yyyyy>] [--errorcode <BEEX-12345> ... ]
```

OPTIONS

--display_columns

Comma separated list of columns to be displayed. Valid arguments are [service, messageid, displayname, severity, cause, effect, action]

--errorcode_range

Dash-separated range of error codes to list from the catalog, without the prefix. Default: 00000-99999

--errorcode

An individual error code to display information about, including prefix.

EXAMPLES

```
beectl list_errorcode_catalog
```

```
Lists all error code definitions in Oracle Beehive.
```

```
beectl list_errorcode_catalog --display_columns
messageid,displayname,cause --errorcode_range 00400-00499
```

```
Lists the messageid, display name, and cause of all errorcodes
between 00400 and 00499
```

```
beectl list_errorcode_catalog --errorcode 'BEEU-00822'
```

```
Lists all catalog information on the error BEEU-00822
```

list_events

Lists all business object events.

SYNTAX

```
beectl list_events [ --event_name <event name to be listed> ]
```

OPTIONS

--event_name

Specify the name of the event to be listed.

EXAMPLES

```
beectl list_events --event_name MyEvent
```

list_external_contacts

The list_external_contacts command lists contacts that match specified search criteria. If search criteria are not specified, then all contacts are listed. It also lists the details of the contact(s) whose identifier is specified.

SYNTAX

```
beectl list_external_contacts    {          --count <true|false>        |
--contact <identifier of external contact >         [ --show <show
attributes(ALL|MORE)> ]          |         --email_id <Email address of the user>
[ --show <show attributes(ALL|MORE)> ]       |         [ --family_name <family name
of the contact> ... ]         [ --given_name <given name of the contact> ... ]
[ --display_name <display name of the contact> ... ]         [ --middle_name <middle
name of the contact> ... ]         [ --job_title <job title of the contact> ... ]
[ --prefix <prefix of the contact> ... ]          [ --suffix <suffix of the contact>
... ]        [ --nick_name <nick name of the contact> ... ]        [ --office_
location <office location of the contact> ... ]         [ --company <company of the
contact> ... ]          [ --profession <profession of the contact> ... ]         [
--department <department of the contact> ... ]         [ --organization
<organization identifier> ... ]         [ --property
<name(assistant|certificate|notes)=value=description> ... ]         [ --address
<type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ... ]         [ --status <status of
contact(enabled|disabled|locked)> ... ]         [ --is_deleted <true|false> ]
[ --created_by <identifier of creator> ... ]          [ --modified_by <identifier of
modifier> ... ]         [ --match <match attributes(ANY|ALL)> ]          [ --show
<show attributes(ALL|MORE)> ]       }
```

OPTIONS

--contact

The identifier of the external contact

--email_id

E-mail ID of the external contact

--family_name

Family name of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--given_name

Given name of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--display_name

Display name of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--middle_name

Middle name of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--job_title

Job title of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--prefix

Prefix of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--suffix

Suffix of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--nick_name

Nickname of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--office_location

Office location of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--company

Company of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--profession

Profession of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--department

Department of the contact. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--organization

Identifiers of the organizations the contact belongs to.

--property

Details of the property in the format name=value. Supported names are certificate, assistant and notes. Note, no equals to symbol(=) should be present in the name or value.

--address

Address of the contact in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--status

Sets the provisioning status of the external contact. Sets the provisioning status of the user. Supported values are ENABLED, DISABLED, LOCKED.

--is_deleted

Contacts whose provisioning status is deleted.

--created_by

Identifier of the entity who created the contact.

--modified_by

Identifier of the entity who modified the contact.

--count

Lists the number of contacts. When this option is used, no other information about the contacts is listed.

--show

Lists some or all the attributes of the contact. Valid values are ALL or MORE. If nothing is specified the default important attributes are listed.

--match

If all the predicates values should match with the attributes of the contact or one or more attributes should match. Permitted values are ALL or ANY. Default is ANY.

EXAMPLES

```
beectl list_external_contacts


beectl list_external_contacts --count


beectl list_external_contacts --contact
6A95:21EB:extp:D9E9FC8134544BCE9D60559F9B997CCD000000000000
--show ALL
```

```
beectl list_external_contacts --email_id person1@example.com
--show MORE
```

```
beectl list_external_contacts --given_name User1GivenName --show
ALL
```

```
beectl list_external_contacts --given_name User1% --office_
location 4A0% --match ALL --show MORE
```

list_failed_action_events

List actions that have not completed successfully.

SYNTAX
```
beectl list_failed_action_events [ --bucket <Partition number> --sequence
<Sequence number> ]
```

OPTIONS

--bucket
Partition number

--sequence
Sequence number

EXAMPLES
```
beectl list_failed_action_events --bucket MyBucketNumber
--sequence MySequenceNumber
```

list_feed_configurations

The list_feed_configurations command lists the feed configurations in the given scope.

SYNTAX
```
beectl list_feed_configurations   {        --scope <scope identifier>
[--feedtype <feed type >]       | [--feedtype <feed type > --effective_feed_
configuration]   }
```

OPTIONS

--scope
Scope in which the feed configuration will be created

--feedtype

Feed type of the feed configuration. Permitted values are ANNOUNCEMENT, FORUM, FOLDER, LABEL, RECENT, TOPIC and VERSION.

--effective_feed_configuration

Get the effective feed configuration associated with the given scope. Default is true.

EXAMPLES

```
beectl list_feed_configurations --scope enpr=example
```

```
beectl list_feed_configurations --scope enpr=example --feedtype
RECENT --effective_feed_configuration True
```

list_file_plan

Lists the file plan.

SYNTAX

```
beectl list_file_plan
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_file_plan
```

list_filesystem_references

Lists the file system path, read-only status, and identifier of all available file system references.

SYNTAX

```
beectl list_filesystem_references
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_filesystem_references
```

list_groups

The list_groups command lists groups that match specified search criteria. If search criteria are not specified, then all groups are listed.

SYNTAX

```
beectl list_groups    {        --count <true|false>     |        --group
<Identifier of the group>        [ --show <show attributes(ALL|MORE|MEMBERS)> ]
```

```
|         --email <Email address of the group>        [ --show <show
attributes(ALL|MORE|MEMBERS)> ]     |        [ --name <name of the group> ... ]
[ --description <description of the group> ... ]        [ --scope <scope of the
group> ... ]        [ --organization <organization identifier> ... ]        [
--property <name(is_auto_confirm_on|moderator)=value=description> ... ]        [
--address <type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ]        [ --is_deleted <true|false> ... ]
[ --created_by <identifier of creator> ... ]        [ --modified_by <identifier of
modifier> ... ]        [ --match <match attributes(ANY|ALL)> ]        [ --show
<show attributes(ALL|MORE|MEMBERS)> ]     }
```

OPTIONS

--group
Identifier of the group

--email
E-mail ID of the group

--name
Name of the group. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--description
Description of the group. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--scope
Scope or parent identifier of the group.

--organization
Identifiers of the organizations the group belongs to.

--property
Details of the property in the format name=value. Supported names are is_auto_confirm_on, moderator. Note, no equals to symbol(=) should be present in the name or value.

--address
Address of the group in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--is_deleted

Groups whose status is deleted.

--created_by

Identifier of the entity who created the group.

--modified_by

Identifier of the entity who modified the group.

--count

Lists the number of groups. When this option is used, no other information about the groups is listed.

--show

Lists some or all attribute or the members of the group. Valid values are ALL or MORE OR MEMBERS. If nothing is specified the default important attributes are listed.

--match

If all the predicates values should match with the attributes of the user or one or more attributes should match. Permitted values are ALL or ANY. Default is ANY.

EXAMPLES

```
beectl list_groups


beectl list_groups --count


beectl list_groups --group grup=group1,enpr=example --show all


beectl list_groups --email group1@example.com --show more


beectl list_groups --group grup=group1,enpr=example --show
MEMBERS


beectl list_groups --name Group1Name --show all


beectl list_groups --name Group1% --scope enpr=enpr1 --match all
--show more
```

list_language_pack

Displays summarized informations for the resources in language pack. The search criteria can include a combination of string contained in the resource name, locale of the resource, type of resource (built-in or custom). Note that only resources matching ALL (as compared to ANY) specified search criteria are displayed.

SYNTAX

```
beectl list_language_pack [--full | --base_name --locale --only_built_in --only_
custom]
```

OPTIONS

--full

List all resources in the language pack.

--base_name

List resources containing the specified name.

--locale

List resources with the specified locale.

--only_built_in

List only built-in resources.

--only_custom

List only custom resources.

EXAMPLES

```
Below command will display summarized information for resources
which have been localized for English locale with names
containing the string CommandImplRB, irrespective of whether
they are built-in or custom.
```

```
beectl list_language_pack --base_name CommandImplRB --locale en
```

list_local_acl

Lists the Local Access Control List (LACL) of an entity.

SYNTAX

```
beectl list_local_acl --entity <unique identifier of the entity>
```

OPTIONS

--entity

Specify the unique identifier of the entity for which the Local Access Control List
(LACL) should be listed.

EXAMPLES

```
beectl list_local_acl --entity
adoc=MyDocument,wksp=MyWorkspace,enpr=MyEnterprise
```

list_max_address_count

The list_max_address_count command lists the maximum number of addresses of an address type that can be set for a given person-contact, group-contact or resource-contact in an address-book. The address types determine the type of address like BUSINESS, PERSONAL and OTHER. This command also lists the system defined maximum limit, which cannot be exceeded.

SYNTAX

```
beectl list_max_address_count
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_max_address_count
```

list_my_conferences

Lists conference artifacts under workspace

SYNTAX

```
beectl list_my_conferences --count-limit <A count limit for a list of conferences>
```

OPTIONS

--count-limit

A count limit for a list of conferences

EXAMPLES

```
beectl list_my_conferences --count-limit 1000
```

list_organizations

Lists organizations in the given scope

SYNTAX

```
beectl list_organizations --scope <Identifier of enterprise or organization>
[--recurse <TRUE|FALSE. Default value is FALSE. Recursively list organizations>]
[--name <Organization name>]
```

OPTIONS

--scope

Identifier of the parent scope (enterprise or organization)

--recurse

TRUE | FALSE. Default value is FALSE. Recursively list organizations

--name
Organization name

EXAMPLES
```
beectl list_organizations --scope
9941:2345:enpr:58D193D162CE4ED89FF66AB4E55745B6345464545453
--recurse TRUE

beectl list_organizations --scope enpr=ORCL --name MyOrg
```

list_patch_informations

Lists the patch information for given archives.

SYNTAX
```
beectl list_patch_informations (--archive_directory <directory containing
archives> | --archive_file <archive file> )
```

OPTIONS

--archive_directory
Directory in which archives will be searched.

--archive_file
Enterprise archive file for listing the patch information.

EXAMPLES
```
beectl list_patch_informations --archive_file /tmp/some_
service.ear --archive_file /tmp/some_service2.ear
```

Above command will list private and public patch numbers for
given archive files.

```
beectl list_patch_informations --archive_directory
/seed/archive/
```

Above command will list private and public patch numbers for all
the files available in the given directory.

list_policies

Lists policies in an specific container. Details returned include policy names and
identifiers.

SYNTAX
```
beectl list_policies [ --policy_name <name of the policy to be listed> ] [ --scope
<container where the policy is deployed> ] [ --children <boolean specifying
whether to include policies defined at child containers> ] [ --enforced <boolean
specifying whether to include enforced policies> ]
```

OPTIONS

--policy_name
Specify the name of the policy.

--scope
Specify the identifier of the container where policy is deployed.

--children
Specify whether to include policies defined at child containers.

--enforced
Specify whether to include enforced policies.

EXAMPLES
```
beectl list_policies --policy_name MyPolicy --scope
enpr=MyEnterprise --children true --enforced false
```

list_policy_actions

Lists all policy actions.

SYNTAX
```
beectl list_policy_actions
```

OPTIONS
This command has no options

EXAMPLES
```
beectl list_policy_actions
```

list_policy_schemas

Lists policy schemas in the current enterprise. Details returned include policy schema names and identifiers.

SYNTAX
```
beectl list_policy_schemas --name <name of the policy schema>
```

OPTIONS

--name
Specify the name of the policy schema.

EXAMPLES
```
beectl list_policy_schemas --name ExamplePolicySchema
```

list_policy_templates

Lists policy templates in a specified container. Details returned include policy template names and identifiers.

SYNTAX

```
beectl list_policy_templates --name <name of the policy template to be listed>
--scope <container where the policy template is defined>
```

OPTIONS

--name

Specify the name of the policy template.

--scope

Specify the identifier of the container where policy template is deployed.

EXAMPLES

```
beectl list_policy_templates --name ExamplePolicyTemplate
--scope
9941:2345:enpr:58D193D162CE4ED89FF66AB4E55745B6345464545453
```

list_ports

Lists various available ports.

By default it shows ports used by current Application tier only.

Valid protocols are

SMTP

IMAP

XMPP

XMPPS

FTP

HTTP

HTTPS

BTP

BTPS

OC4J-JGROUP-RANGE

OC4J-AJP-RANGE

OC4J-RMI-RANGE

OC4J-RMIS-RANGE

OC4J-JMS-RANGE

OC4J-SIP-RANGE

OC4J-AJP-RANGE identifies the range of ports in current site for either AJP or secure AJP protocol whichever is enabled.

Description of command output:-

1- Protocol:- Contains protocol name. It can be empty, if port is internal.

2- Listen Port:- The value of the port on which listening component is listening. This is the value which will be seen in operating system port management utilities like netstat.

3- Virtual Port:- Port to which the clients will connect. This value is for entire site.

4- Defining Component:- Identifier of the component, port property is modeled.

5- Property Name:- Name of the property for port on the defining configuration object.

6- Listen Component:- Identifier of the configuration object which listens on the listen port.

SYNTAX
```
beectl list_ports [--instance <Oracle Beehive instance system identifier or
alias>] [--all]
```

OPTIONS

--instance
System object identifier of Beehive Instance for which ports should be shown.

--all
Flag indicating if all the ports in the system should be listed.

EXAMPLES
```
beectl list_ports --all
```
```
Above example lists ports used by all the Application tiers.
```

list_preference_profiles

The list_preference_profiles command lists preference profiles for a consumer.

SYNTAX
```
beectl list_preference_profiles --consumer <Identifier of the consumer>
```

OPTIONS

--consumer
Identifier of the consumer

EXAMPLES
```
beectl list_preference_profiles --consumer loginid=user1
```

list_preference_properties

The list_preference_properties command lists all effective preference properties of a preference set.

SYNTAX

```
beectl list_preference_properties --set <Identifier of the preference set
specified in ID format, which can be determined by running list_preference_sets
command with "--entity_format id" option.>
```

OPTIONS

--set

Identifier of the preference set specified in ID format, which can be determined by running list_preference_sets command with "--entity_format id" option.

EXAMPLES

```
beectl list_preference_properties --set
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000979
```

list_preference_sets

The list_preference_sets command lists all preference sets for a preference profile.

SYNTAX

```
beectl list_preference_sets --profile <Preference profile identifier>
```

OPTIONS

--profile

Identifier of the preference profile.

EXAMPLES

```
beectl list_preference_sets --profile
prfp=MyProfile,loginid=user1
```

list_privileges

Lists available Privilege names.

SYNTAX

```
beectl list_privileges
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_privileges
```

list_properties

Prints property value of a component given a component identifier and property name. If property name is not specified then all the properties will be listed.

SYNTAX

```
beectl list_properties --component <system object identifier or alias of the
component> [--name <name>] [--configuration_version <required version>]
```

OPTIONS

--component
Component identifier

--name
Name of the property

--configuration_version
Specifies configuration version. Valid values are proposed, active or any number equivalent to creation time of the configuration snapshot. Refer to the first column from the output of command list_configuration_versions for valid snapshot identifiers.

EXAMPLES

```
beectl list_properties --component
288d5051-2632-4800-b796-b3e16ca58f2d
```

```
Specifying Configuration Version: Any of the following can be
specified for accessing specific snapshot. If not specified,
latest proposed snapshot will be accessed.
```

--configuration_version 89098787 can be passed to use snapshot having specific creation time as 89098787.

--configuration_version active can be passed for active snapshot.

--configuration_version proposed can be passed for latest proposed snapshot.

list_property_metadata

Lists the metadata about all the properties of a system model object.

SYNTAX

```
beectl list_property_metadata --type <System model object type> [--full_report]
```

OPTIONS

--type
Type of the component for which property metadata to be listed.

--full_report

Flag indicating if full report should be displayed. It contains description about properties also.

EXAMPLES

```
beectl list_property_metadata --type WorkspacesService
```

list_resources

Lists resources.

SYNTAX

```
beectl list_resources {[--select_by_name <name_regex>] | [--select_by_identifier
<identifier_regex>] | [--select_by_capacity <capacity>]} [--external] [--show
<DEFAULT | ALL | MORE>]
```

OPTIONS

--select_by_name

Specify the resource name criteria. This option accepts a regular expression match.

--select_by_identifier

Specify the resource identifier criteria. This option accepts a regular expression match.

--select_by_capacity

Specify the resource capacity.

--external

List external resources. If this option is not specified, only bookableresources will be listed.

--show

Lists some or all the attributes of the resource. Valid values are DEFAULT, ALL or MORE. If nothing (or DEFAULT) is specified the default important attributes are listed.

EXAMPLES

```
beectl list_resources --select_by_name "Resource"
```

list_role_definitions

Lists RoleDefinition entities.

SYNTAX

```
beectl list_role_definitions [--scope <unique identifier of the Scope>] [--name
<like string>]
```

OPTIONS

--scope
Specify the unique identifier of the Scope of the RoleDefinitions to be listed. If not specified the Scope will be the Enterprise.

--name
Specify the name pattern of the RoleDefinitions to be listed. If not specified all accessible RoleDefinitions will be returned.

EXAMPLES
```
beectl list_role_definitions --scope
wksp=MyWorkspace,enpr=MyEnterprise --name MyRoleDefinition
```

list_schema_clones

Search the ocs_clone_registry table based on the specified options and display the matched clone records.

SYNTAX
```
beectl list_schema_clones [ --orig_schema_id <from_schema_id> ] [ --cloned_schema_
id <to_schema_id> ] [ --phase <clone_phase> ] [ --status <clone_status> ] [ [
--start_time <clone_start_time> ] | [ --start_time_from <from_time> ] [ --start_
time_to <to_time> ] ] [ [ --end_time <clone_end_time> ] | [ --end_time_from <from_
time> ] [ --end_time_to <to_time> ] ] [ --description <schema_description> ] [ [
--maximum_results <max_results> ] [ --sort_by <sort_colum_name> ] [ --display_
column <display_column> ] | [ --count_only <true/false> ] ]
```

OPTIONS

--orig_schema_id
Option used to match the original schema ID from which the new schema is cloned.

--cloned_schema_id
Option used to match the new schema ID which is being cloned.

--phase
Option used to match the clone phase.

--status
Option used to match the clone status.

--start_time
The time stamp option specified to match the clone start time.

--start_time_from
The time stamp option specified as the lower inclusive bound to match the clone start time.

--start_time_to

The time stamp option specified as the upper inclusive bound to match the clone start time.

--end_time

The time stamp option specified to match the clone end time.

--end_time_from

The time stamp option specified as the lower inclusive bound to match the clone end time.

--end_time_to

The time stamp option specified as the upper inclusive bound to match the clone end time.

--description

Option used to match the description.

--maximum_results

Option specified to limit the returned results. This option will be ignored, if the count_only option is true.

--sort_by

Option specified the column name by which the returned result will be sorted. Valid column names are: <CLONENO | ORIG_SCHEMA_ID | CLONED_SCHEMA_ID | PHASE | STATUS | START_TIME | END_TIME | DESCRIPTION>.

--display_column

Option specify which column to display. Valid column names are: <CLONENO | ORIG_SCHEMA_ID | CLONED_SCHEMA_ID | PHASE | STATUS | START_TIME | END_TIME | DESCRIPTION>.

--count_only

Option specified to only return only the total count of records matching the criteria.

EXAMPLES

```
beectl list_schema_clones --start_time_from 2008-07-10T00:00:00
--start_time_to 2008-07-10T23:59:59 --orig_schema_id 56
--display_column ORIG_SCHEMA_ID --display_column CLONED_SCHEMA_
ID --display_column STATUS --maximum_results 200

beectl list_schema_clones --count_only true
```

list_schemas

Search the ocs_schema_registry table based on the specified options and display the matched schema records.

SYNTAX

```
beectl list_schemas [ --schema_name <name> ] [ --schema_id <ID> ] [ --version_id
<ID> ] [ --schema_type <type> ] [ --status <status> ] [ --description
<description> ] [ [ --creation_time <time> ] | [ --creation_time_from <from_time>
```

```
] [ --creation_time_to <to_time> ] ] [ [ --activationready_time <time> ] | [
--activationready_time_from <from_time> ] [ --activationready_time_to <to_time> ]
] [ [ --upgradeready_time <time> ] | [ --upgradeready_time_from <from_time> ] [
--upgradeready_time_to <to_time> ] ] [ [ --activation_time <time> ] | [
--activation_time_from <from_time> ] [ --activation_time_to <to_time> ] ] [ [
--legacy_time <time> ] | [ --legacy_time_from <from_time> ] [ --legacy_time_to
<to_time> ] ] [ [ --24} <time> ] | [ --deacitvation_time_from <from_time> ] [
--deacitvation_time_to <to_time> ] ] [ [ --deinstall_time <time> ] | [
--deinstall_time_from <from_time> ] [ --deinstall_time_to <to_time> ] ] [ [
--maximum_results <max_results> ] [ --sort_by <sort_colum_name> ] [ --sort_by
<display_column> ] | [ --count_only <true/false> ] ]
```

OPTIONS

--schema_name
Option used to match the schema name.

--schema_id
Option used to match the schema ID.

--version_id
Option used to match the version ID.

--schema_type
Option used to match the schema type.

--status
Option used to match the schema status.

--creation_time
The time stamp option specified to match the creation time.

--creation_time_from
The time stamp option specified as the lower inclusive bound to match the creation
time.

--creation_time_to
The time stamp option specified as the upper inclusive bound to match the creation
time.

--activationready_time
The time stamp option specified to match the activation ready time.

--activationready_time_from
The time stamp option specified as the lower inclusive bound to match the activation
ready time.

--activationready_time_to
The time stamp option specified as the upper inclusive bound to match the activation
ready time.

--upgradeready_time

The time stamp option specified to match the upgrade ready time.

--upgradeready_time_from

The time stamp option specified as the lower inclusive bound to match the upgrade ready time.

--upgradeready_time_to

The time stamp option specified as the upper inclusive bound to match the upgrade ready time.

--activation_time

The time stamp option specified to match the activation time.

--activation_time_from

The time stamp option specified as the lower inclusive bound to match the activation time.

--activation_time_to

The time stamp option specified as the upper inclusive bound to match the activation time.

--legacy_time

The time stamp option specified to match the legacy time.

--legacy_time_from

The time stamp option specified as the lower inclusive bound to match the legacy time.

--legacy_time_to

The time stamp option specified as the upper inclusive bound to match the legacy time.

--deacitvation_time

The time stamp option specified to match the deactivation time.

--deacitvation_time_from

The time stamp option specified as the lower inclusive bound to match the deactivation time.

--deacitvation_time_to

The time stamp option specified as the upper inclusive bound to match the deactivation time.

--deinstall_time

The time stamp option specified to match the deinstall time.

--deinstall_time_from

The time stamp option specified as the lower inclusive bound to match the deinstall time.

--deinstall_time_to

The time stamp option specified as the upper inclusive bound to match the deinstall time.

--description

Option used to match the description.

--maximum_results

Option specified to limit the returned results. This option will be ignored, if the count_only option is true.

--sort_by

Option specified the column name by which the returned result will be sorted. Valid column names are: <SCHEMA_NAME | SCHEMA_ID | VERSION_ID | SCHEMA_TYPE | STATUS | CREATION_TIME | ACTIVATIONREADY_TIME | UPGRADEREADY_TIME | ACTIVATION_TIME | LEGACY_TIME | DEACTIVATION_TIME | DEINSTALL_TIME | DESCRIPTION>.

--display_column

Option specify which column to display. Valid column names are: <SCHEMA_NAME | SCHEMA_ID | VERSION_ID | SCHEMA_TYPE | STATUS | CREATION_TIME | ACTIVATIONREADY_TIME | UPGRADEREADY_TIME | ACTIVATION_TIME | LEGACY_TIME | DEACTIVATION_TIME | DEINSTALL_TIME | DESCRIPTION>.

--count_only

Option specified to only return only the total count of records matching the criteria.

EXAMPLES

```
beectl list_schemas --creation_time_from 2008-07-10T00:00:00
--creation_time_to 2008-07-10T23:59:59 --schema_name BEE_CODE
--display_column schema_name --display_column schema_id
--display_column creation_time --maximum_results 200

beectl list_schemas --count_only true
```

list_search_recovery_status

Lists the status and reports on how many containers need to be recovered

SYNTAX

```
beectl list_search_recovery_status [--option1 <option1argument> ... ]
```

OPTIONS

--recovery_id

The recovery_id you are checking the status against

EXAMPLES

```
beectl list_search_recovery_status --recovery_id 109
```

list_sensitivities

Lists Sensitivity entities.

SYNTAX

```
beectl list_sensitivities --workspace <unique identifier of the Workspace> [--name
<like string>]
```

OPTIONS

--workspace

Specify the unique identifier of the Workspace of the Sensitivities to be listed.

--name

Specify the name pattern for the Sensitivities to be listed. If not specified all accessible
Sensitivities will be returned.

EXAMPLES

```
beectl list_sensitivities --workspace
wksp=MyWorkspace,enpr=MyEnterprise --name MySensitivity
```

list_sensitivity_acl

Lists the Sensitivity Access Control List (SACL) of a Sensitivity.

SYNTAX

```
beectl list_sensitivity_acl --sensitivity <unique identifier of the Sensitivity>
```

OPTIONS

--sensitivity

Specify the unique identifier of the Sensitivity whose Sensitivity Access Control List
(SACL) should be listed.

EXAMPLES

```
beectl list_sensitivity_acl --sensitivity
acsn=MySensitivity,wksp=MyWorkspace,enpr=MyEnterprise
```

list_statistics

Lists the statistics for a given type or component or for the entire site.

SYNTAX

```
beectl list_statistics ([--type <System model object type>] [--component <stat
provider system model object identifier or alias>] | [--all_components])
[--advanced] [--all_visibilities]
```

OPTIONS

--type
Type of the component for which statistics to be listed.

--component
System object identifier of the component for which statistics to be listed.

--all_components
If specified, statistics for all components will be listed.

--advanced
Lists advanced visibility data.

--all_visibilities
Lists general and advanced visibility data.

--internal
Lists internal visibility data.

--deprecated
Lists deprecated visibility data.

EXAMPLES
```
beectl list_statistics --type WorkspacesServiceInstance
```

Above example will list statistics for WorkspacesServiceInstance with GENERAL visibility.

Specifying Visibility Options: Any of the following options can be used for specific visibility data.

--advanced can be passed to include advanced visibility data.

--all_visibilities can be passed to include general and advanced visibility data.

list_supported_entity_types

Prints the supported entity types which can be used in business object distinguished naming pattern instead of system generated identifier and their description.

If a value contains \ (back slash) or a , (comma), then it has to be escaped using back slash. For example, "wksp=Personal workspace\, Admin,orgn=HR,enpr=oracle" refers to Workspace of name "Personal workspace, Admin" that exists in Organization "HR" that exists directly in Enterprise "Oracle".

SYNTAX
```
beectl list_supported_entity_types
```

OPTIONS

This command has no options

EXAMPLES

```
beectl list_supported_entity_types
```

list_tasklists

Lists existing task lists of a user, resource or workspace.

SYNTAX

```
beectl list_tasklists { --tasklistowner <unique_identifier> | --select_by_address
<uri> | --select_by_authuser <authuser> --select_by_user_name <user_name> |
--select_by_resource_name <resource_name> | --select_by_workspace_name <workspace_
name> }
```

OPTIONS

--tasklistowner

Specify the unique identifier of a user, resource or workspace.

--select_by_address

Specify the Uniform Resource Identifier (URI) of a user, resource or team workspace.

--select_by_authuser

Specify the login name of a user.

--select_by_user_name

Specify the name of a user.

--select_by_resource_name

Specify the name of a resource.

--select_by_workspace_name

Specify the name of a workspace.

EXAMPLES

```
beectl list_tasklists --select_by_address user@example.com
```

list_timezones

Lists time zones in the database. The list can be limited by common time zones or by
time zone names.

SYNTAX

```
beectl list_timezones [--all] | [--select_by_common] [--select_by_name
<TimezoneName>]
```

OPTIONS

--all

Lists all time zones. This option cannot be used with the --select_by_name or --select_by_common option.

--select_by_common

Lists common time zones. This is the default when no options are specified.

--select_by_name

Specifies a time zone name. To list all time zones, use an asterisk(*) as the options value.

EXAMPLES

```
beectl list_timezones --all

beectl list_timezones --select_by_common

beectl list_timezones --select_by_name Asia/Shanghai

beectl list_timezones --select_by_common --select_by_name
Asia/Shanghai
```

list_trusted_identity

This command lists the trusted identities. The type has to be specified. For type SES, it lists the names of the trusted entities.

SYNTAX

```
beectl list_trusted_identity --type <type(SES|WSSEC)>
```

OPTIONS

--type

Type of the trusted identity. Permitted values are SES or WSSEC. SES refers to Secure Enterprise Search. WSSEC refers to Web services security.

EXAMPLES

list_user_subscriptions

List user subscriptions

SYNTAX

```
beectl list_user_subscriptions --subscriber <identifier of subscriber> [ --attach
<identifier of attached entity> --source_entity_class <sourceEntityClass of
template> ]
```

OPTIONS

--subscriber
Specify the identifier of the subscriber who owns the subscription.

--attach
Specify the Identifier of the entity to which the subscription is attached.

--source_entity_class
Specify the name of the source entity Class that is defined in subscription template.

EXAMPLES

```
beectl list_user_subscriptions --subscriber
5457:7954:user:6390824F2C4C4BD1B54A21B2DD7423F300000000000A
```

list_users

The list_users command lists users that match specified search criteria. If search criteria are not specified, then all users are listed.

SYNTAX

```
beectl list_users   {         --count <true|false>     |         --user <User
Identifier>        [ --show <show attributes(ALL|MORE)> ]        |        --email
<Email address of the user>       [ --show <show attributes(ALL|MORE)> ]    |
[ --family_name <family name of the user> ... ]        [ --given_name <given name
of the user> ... ]        [ --display_name <display name of the user> ... ]
[ --middle_name <middle name of the user> ... ]         [ --job_title <job title of
the user> ... ]        [ --prefix <prefix of the user> ... ]        [ --suffix
<suffix of the user> ... ]        [ --nick_name <nick name of the user> ... ]
[ --office_location <office location of the user> ... ]         [ --company
<company of the user> ... ]        [ --profession <profession of the user> ... ]
[ --department <department of the user> ... ]        [ --manager <manager
identifier> ... ]        [ --extended_enterprise_user <true|false> ]        [
--organization <organization identifier> ... ]         [ --property
<name=value=description> ... ]        [ --address <type of address(business_
1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value> ... ]        [
--status <status of user(enabled|disabled)> ... ]        [ --is_deleted
<true|false> ]        [ --created_by <identifier of creator> ... ]        [
--modified_by <identifier of modifier> ... ]         [ --match <match
attributes(ANY|ALL)> ]        [ --show <show attributes(ALL|MORE)> ]        [
--manager <manager identifier> ]        [ --extended_enterprise_user <true|false>
]        [ --is_locked <locked status(user)> ]     }
```

OPTIONS

--user
Identifier of the user.

--email
Exact e-mail ID of the user whose details have to be retrieved. It should be in the format user1@example.com

--family_name

Family name of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--given_name

Given name of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--display_name

Display name of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--middle_name

Middle name of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--job_title

Job title of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--prefix

Prefix of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--suffix

Suffix of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--nick_name

Nickname of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--office_location

Office location of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1%

will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--company
Company of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--profession
Profession of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--department
Department of the user. SQL wildcards '%' and '_' are also permitted. The % and _ characters will be treated as literals if preceded by the '\' character. Examples: doc1% will return doc1 and doctest whereas doctest_ will return doctest2. doc_ will return doc1 and doc_. doc_ will return doc_. Exact match is found if no wildcards exists.

--manager
Identifier of the manager.

--organization
Identifiers of the organizations the user belongs to.

--property
Details of the property in the format name=value. All custom properties are supported. Note, no equals to symbol(=) should be present in the name or value.

--address
Address of the user(s) to be searched and in the format type:scheme:value. Searches for users with this address format. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--status
Sets the provisioning status of the user. Supported values are ENABLED, DISABLED.

--is_deleted
Users whose provisioning status is deleted.

--extended_enterprise_user
Lists all extended enterprise user.

--created_by
Identifier of the entity who created the user.

--modified_by
Identifier of the entity who modified the user.

--count
Lists the number of users. When this option is used, no other information about the users is listed.

--show
Lists some or all the attributes of the user. Valid values are ALL or MORE. If nothing is specified the default important attributes are listed.

--match
If all the predicates values should match with the attributes of the user or one or more attributes should match. Permitted values are ALL or ANY. Default is ANY.

--is_locked
locked status of user, valid value is (user).

EXAMPLES

```
beectl list_users


beectl list_users --count


beectl list_users --user loginid=user1@example.com --show ALL


beectl list_users --email user1@example.com --show MORE


beectl list_users --given_name User1GivenName --show ALL


beectl list_users --given_name User1% --office_location 4A0%
--match ALL --show MORE


beectl list_users --manager loginid=user2@example.com
--extended_enterprise_user --match ALL --show MORE


beectl list_users --address BUSINESS_1:mailto:%@example.com
--address BUSINESS_1:mailto:user1@example.com --match ANY --show
ALL
```

list_version_configuration

Lists the version configuration on the given scope or heterogeneous folder.

SYNTAX

```
beectl list_version_configuration --container <Configuration scope or heterogenous
folder> --effective <TRUE|FALSE. Default value is FALSE>
```

OPTIONS

--container

Scope or heterogeneous folder on which the version configuration should be listed.

--effective

Whether the effective version configuration should be returned or the one directly
defined.

EXAMPLES

```
beectl list_version_configuration --container
orgn=MyOrganization,enpr=MyEnterprise
```

list_virus_scan_results

Lists the virus scan results that match the specified criteria. Only a count of the
matches found will be displayed if the option to list only the counts is specified.
Option count_only cannot be specified with options maximum_results or display_
columns. Option scandate cannot be specified with options scandate_from or
scandate_to.

SYNTAX

```
beectl list_virus_scan_results [ [ --scandate <scandate> ] | [ --scandate_from
<scandate_from> ] [ --scandate_to <scandate_to> ] ] [ --virus_name <virus_name> ]
[ --virus_id <virus_id> ] [ --entity_type <entity_type> ] [ --obsolete_only
<true/false> ] [ [ --maximum_results <max_results> ] [ --display_columns <display_
columns> ] | [ --count_only <true/false> ] ]
```

OPTIONS

--display_columns

Comma separated list of columns to display. Valid arguments are [virus_id, virus_
name, component_name, scan_date, repair_attempts, entity_id, entity_type, repaired,
aux_data, collab_id]. If this option is not specified all columns will be displayed.

--scandate

Value specified will be used to do an exact match with the scan date attribute of the
scan results.

--scandate_from

Value specified will be used as the lower inclusive bound for matching with the scan
date.

--scandate_to

Value specified will be used as the upper inclusive bound for matching with the scan date.

--virus_name

Value specified will be used to do an exact match with the virus name attribute of the scan results.

--virus_id

Value specified will be used to do an exact match with the virus ID attribute of the scan results.

--entity_type

Value specified will be used to pick up only the scan results for the entered entity type.

--obsolete_only

This option returns matches found for the specified criteria only for those entities that are obsolete, i.e. these entities no longer exists in the system.

--maximum_results

Value specified limits the number of results returned.

--count_only

This option returns only a total count of matches found for the specified criteria.

EXAMPLES

```
beectl list_virus_scan_results --scandate_from
2008-07-10T00:00:00 --scandate_to 2008-07-10T23:59:59 --entity_
type emsg --maximum_results 10 --display_columns entity_
id,entity_type,virus_id,virus_name

beectl list_virus_scan_results --count_only true
```

list_voice_facilities

The list command shows all of the facilities, their CollabIDs and phone number matching rules. The command accepts three optional parameters to help refine the search, if no parameters are specified, then all facilities are presented.

SYNTAX

```
beectl list_voice_facilities [--group_collabid <CollabID>] [--includes <phone
rule>] [--excludes <phone rule>] [--phone <phone number>]
```

OPTIONS

--group_collabid

The group CollabID to search for. The list will show the facility the group CollabID belongs to.

--includes

The inclusion rule to search for. For example: 1312???????. The list will show the facility that has the given inclusion rule.

--includes

The exclusion rule to search for. For example: 1312???????. The list will show the facility that has the given exclusion rule.

--phone

The phone number to match against all known facilities. For example, specifying 13125551212 will result in a list of all facilities that match ordered such that the top of the list is the first match.

EXAMPLES

```
beectl list_voice_facilities --group_collabid
1234:grup:1234:5678

beectl list_voice_facilities --includes 1312???????

beectl list_voice_facilities --excludes 1312???????

beectl list_voice_facilities --phone 13125551212
```

list_workflow_schemas

Lists workflow schemas.

SYNTAX

```
beectl list_workflow_schemas [ --workflow_schema <Specify the identifier of the
workflow schema to be listed.> ]
```

OPTIONS

--workflow_schema

Specify the identifier of the workflow schema to be listed.

EXAMPLES

```
beectl list_workflow_schemas --workflow_schema
wfsc=MyWorkflowSchema,enpr=MyEnterprise
```

list_workflow_templates

Lists workflow templates deployed in a container. Details returned include workflow template names and identifiers.

SYNTAX

```
beectl list_workflow_templates --scope <container where the workflow is
configured> [ --template_key <workflow template key> ]
```

OPTIONS

--scope
Specify the identifier of the container.

--template_key
Specify the template key. To determine the template key, use the list_events command.

EXAMPLES
```
beectl list_workflow_templates --scope enpr=MyEnterprise
--template_key MyTemplateKey
```

list_workflows

List all workflows for which the active user has privileges. Specify user and status options for filtering.

SYNTAX
```
beectl list_workflows [ --status <Specify the status of the workflows to be
listed.> ] [ --creator <Specify the identifier of the creator of the workflows to
be listed.  When this option is omitted, workflows created by the active user will
be listed.> ] [ --identifier <Specify the identifier of the workflow to be
listed.> ]
```

OPTIONS

--status
Specify the status of the workflows to be listed. The valid workflow status options are: WORKFLOWSTATUSINITIATED, WORKFLOWSTATUSCANCELED, WORKFLOWSTATUSCLOSED, WORKFLOWSTATUSCOMPLETED, WORKFLOWSTATUSEXPIRED, WORKFLOWSTATUSFAULTED.

--creator
Specify the identifier of the creator of the workflows to be listed. When this option is omitted, workflows created by the active user will be listed.

--identifier
Specify the identifier of the workflow to be listed.

EXAMPLES
```
beectl list_workflows --status MyWorkflowStatus --creator
loginid=MyUser --identifier
18A4:72D2:wkfl:43EE9FA76C0E4935E040578C95096F4E000000018F
```

list_workspace_templates

Lists all workspace templates

SYNTAX
```
beectl list_workspace_templates --scope <Identifier of enterprise or organization>
[--name <Workspace template name>] [--file <Full path of the output file>]
```

OPTIONS

--scope
Identifier of enterprise or organization

--name
Workspace template name

--file
Full path of the output file

EXAMPLES
```
beectl list_workspace_templates --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453

beectl list_workspace_templates --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name Test_template --file /tmp/template.xml
```

list_workspaces

Lists workspaces in an organization or enterprise

SYNTAX
```
beectl list_workspaces --scope <Identifier of enterprise or organization> [--type
<p (Personal) | t (Team) | a (All)>] [--name <Workspace name>] [--recurse]
[--countLimit <count>]
```

OPTIONS

--scope
Identifier of enterprise or organization

--type
p (Personal) | t (Team) | a (All)

--name
Workspace name

--recurse
Recursively list workspaces in all organizations

--countLimit
The maxium number of workspaces that can be returned. If not specified, a default
value of 200 will be assumed

EXAMPLES

```
beectl list_workspaces --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--type t

beectl list_workspaces --scope
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name My_Workspace
```

modify_access_control_fields

Modifies the AccessControlFields of an existing entity.

This command alters sensitive data in the system. Oracle recommends using this command with caution.

SYNTAX

```
beectl modify_access_control_fields --entity <unique identifier of the entity>
[--owner <unique identifier of the owner Accessor>] [--owner_access_types <owner
access types string>] [--sensitivity <unique identifier of the Sensitivity>]
[--scope <unique identifier of the Scope>]
```

OPTIONS

--entity
Specify the unique identifier of the entity to be modified.

--owner
Modify the owner of the entity. Specify the unique identifier of the new owner.

--owner_access_types
Modify the access types string for the entity's owner.

--sensitivity
Modify the Sensitivity of the entity. Specify the unique identifier of the new Sensitivity.

--scope
Modify the Scope of the entity. Specify the unique identifier of the new Scope.

EXAMPLES

```
beectl modify_access_control_fields --entity
adoc=MyDocument,wksp=MyWorkspace,enpr=MyEnterprise --owner
loginid=MyUser
```

modify_assigned_role

Modifies an existing AssignedRole entity.

SYNTAX

```
beectl modify_assigned_role --assigned_role <unique identifier of the
AssignedRole> [--name <name of AssignedRole>] [--description <description>]
```

```
[--assigned_scope <unique identifier of the assigned Scope>] [--role_definition
<unique identifier of the assigned RoleDefinition>] [[--accessor <unique
identifier of an Accessor>]...] [[--add_accessor <unique identifier of an
Accessor>]...] [[--remove_accessor <unique identifier of an Accessor>]...]
```

OPTIONS

--assigned_role

Specify the unique identifier of the AssignedRole to be modified.

--name

Modify the name of the AssignedRole.

--description

Modify the description of the AssignedRole.

--assigned_scope

Modify the assigned Scope of the AssignedRole. Specify the unique identifier of the new assigned Scope.

--role_definition

Modify the assigned RoleDefinition of the AssignedRole. Specify the unique identifier of the new RoleDefinition.

--accessor

Modify the set of Accessors. Specify the unique identifier of an Accessor. This option can be specified more than once.

--add_accessor

Adds an Accessor. Specify the unique identifier of an Accessor to add. This option can be specified more than once.

--remove_accessor

Removes an Accessor. Specify the unique identifier of an Accessor to remove. This option can be specified more than once.

EXAMPLES

```
beectl modify_assigned_role --assigned_role
acar=MyAssignedRole,wksp=MyWorkspace,enpr=MyEnterprise --name
MyAssignedRole2
```

modify_attendant

Update an existing attendant with a new markup file or rename it.

SYNTAX

```
beectl modify_attendant { --file <aaml file> | --name <attendant name> --new_name
<new name> }
```

OPTIONS

--file

An auto-attendant markup language file describing the attendant to be added. When specified, name and new_name must be specified.

--name

Name of an existing attendant. Must be specified when 'new_name' is specified. Must not be specified when 'file' is specified

--new_name

The name to which the attendant should be changed. Must be specified when 'name' is specified. Must not be specified when 'file' is specified

EXAMPLES

```
beectl modify_attendant --file /var/attendant.aaml
```

```
beectl modify_attendant --name myattendant --new_name
myattendant2
```

modify_audit_policy

Modifies an existing audit policy

SYNTAX

```
beectl modify_audit_policy --policy <Audit policy identifier> [--file <Full path
of the input file>] [--enable <true|false>]
```

OPTIONS

--policy

Audit policy identifier

--file

Full path of the input file

--enable

true: Enable audit policy

--enable

false: Disable audit policy

EXAMPLES

```
beectl modify_audit_policy --policy aupl=MyAuditPolicy --file
/tmp/policy_ex.xml
```

```
beectl modify_audit_policy --policy aupl=MyAuditPolicy --enable
false
```

modify_audit_trail

Modifies an existing audit trail

SYNTAX

```
beectl modify_audit_trail --trail <Audit trail identifier> --file <Full path of
the input file>
```

OPTIONS

--trail

Audit trail identifier

--file

Full path name of the input XML file

EXAMPLES

```
beectl modify_audit_trail --trail autr=MyAuditTrail --file
/tmp/trail_ex.xml
```

modify_bootstrap_configuration

Modify the connect string or credentials for the central configuration repository also
known as bootstrap database. Misconfiguration will result in Application tier and site
being not operable.

This command will modify the local bootstrap configuration file. Additionally, it will
update the central configuration repository if the properties connect string, schema
name or schema password are changed. This command does not revert the changes to
local bootstrap configuration file if it fails to update the central configuration
repository.

SYNTAX

```
beectl modify_bootstrap_configuration --connect_string <configuration repository
connect string> --schema_name <configuration repository schema name> --schema_
password <configuration repository schema password> --site_key <site key>
--regenerate
```

OPTIONS

--connect_string

Configuration repository connect string.

--schema_name

Configuration repository schema name.

--schema_password

Configuration repository schema password.

--site_key

Site key of the Oracle Beehive system to connect.

--regenerate

If specified, bootstrap information file be regenerated.

EXAMPLES

```
beectl modify_bootstrap_configuration --connect_string <connect
string> --schema_name <schema name> --schema_password <schema
password>
```

Above command will use the given connection information and
modifies configuration repository also.

```
beectl modify_bootstrap_configuration --connect_string <connect
string> --schema_name <schema name> --schema_password <schema
password> --site_key <site key> --regenerate
```

Above command will use the given connection and site
keyinformation and regenerate the bootstrap configuration
repository.

modify_category

Modifies an existing category

SYNTAX

```
beectl modify_category --category <Category identifier> --file <Full path of the
category XML file>
```

OPTIONS

--category

Category to be updated.

--file

Full path name of the XML file. The file must contain properly formatted data to
update the category

EXAMPLES

```
beectl modify_category --category
catg=MyCategory,enpr=MyEnterprise --file /tmp/category.xml
```

modify_category_configuration

Updates a given category configuration.

SYNTAX

```
beectl modify_category_configuration --configuration <Configuration identifier>
--file <Full path of the configuration XML file>
```

OPTIONS

--configuration
Category configuration to be updated.

--file
Full path of the category configuration XML file. The file must contain properly formatted data.

EXAMPLES
```
beectl modify_category_configuration --configuration
9941:2345:ctcf:58D193D162CE4ED89FF66AB4E55745B6345464545453
--file /tmp/configuration.xml
```

modify_change_number

Modifies the changelog number of a profile.

SYNTAX
```
beectl modify_change_number --profile <profilename> --changelog_number
<changelognumber>
```

OPTIONS

--profile
Name of the profile.

--changelog_number
Changelog number of the profile.

EXAMPLES
```
beectl modify_change_number --profile MyDirectoryProfileName
--changelog_number 100
```

modify_coexistence_profile

Create or modify the coexistence profile of a user.

SYNTAX
```
beectl modify_coexistence_profile {{--user <user_identifier> | --email <user_
email> | --file <file_name> --errors_file <file_name> | --select_users_without_
profile --errors_file <file_name>} --accessible_system <system_name> ... [--no_
data_import] | {--user <user_identifier> | --email <user_email>}[--force_retry]}
```

OPTIONS

--user
Specify the identifier of the user.

--email

Specify the e-mail address of the user.

--select_users_without_profile

Specify all Oracle Beehive users without coexistence profile.

--file

Specify the XML input file. File encoding MUST be UTF-8. Only supported for creation.

--errors_file

Specify the output file. This file will only be generated if errors occurs.

--accessible_system

Specify the collaboration system which can be accessed by the user. Supported collaboration systems are BEEHIVE and EXCHANGE.

--no_data_import

Specify if disable data import.

--force_retry

Specify to reset the NextAttempt time to current time. Not supported in bulk operations.

EXAMPLES

```
beectl modify_coexistence_profile --user loginid=userid
--accessible_system BEEHIVE --no_data_import

beectl modify_coexistence_profile --accessible_system BEEHIVE
--accessible_system EXCHANGE --file users.xml --errors_file
errors.xml

beectl modify_coexistence_profile --accessible_system EXCHANGE
--select_users_without_profile --errors_file errors.xml

beectl modify_coexistence_profile --user loginid=user_loginid
--force_retry
```

modify_coexistence_system

Modifies a coexistence remote collaboration system.

SYNTAX

```
beectl modify_coexistence_system [--select_by_name <old_name>]{--url <url> |
--host_name <host_name> --port <port_number> { --use_http | --use_https }
}[--timezone_alias_namespace <timezone_alias_namespace>] [--sitekey [<obfuscated_
sitekey> --obfuscated]]
```

OPTIONS

--select_by_name

Specify the actual name of the coexistence remote collaboration system.

--url

Specify the URL of the coexistence remote collaboration system.

--use_http

Specify that "HTTP" MUST be used for the coexistence remote collaboration system.

--use_https

Specify that "HTTPS" MUST be used for the coexistence remote collaboration system.

--host_name

Specify the host name of the coexistence remote collaboration system.

--port

Specify the port number used by the coexistence remote collaboration system.

--sitekey

Specify the sitekey of the coexistence remote collaboration system.

--timezone_alias_namespace

Specify the time zone alias namespace used by the coexistence remote collaboration system.

EXAMPLES

```
beectl modify_coexistence_system --select_by_name MsExch2001
--url http://www.example.com:7777
```

modify_connection_pool

Modifies the connection pool configuration.

SYNTAX

```
beectl modify_connection_pool [--connection_pool <connection pool system model
identifier or alias>] [--max_connections <maximum connections>] [--min_connections
<minimun connections>] [--max_statement_limit <maximum cached statements>]
[--initial_connections <initial connections>] [--connection_wait_timeout
<connection wait timeout>] [--inactivity_timeout <inactivity timeout>] [--time_to_
live_timeout <time to live timeout>] [--abandoned_connection_timeout <abandon
connection timeout>] [--lower_threshold_limit <lower threshold limit>]
[--property_check_interval <property check interval>] [--validate_connection
<true/false>]
```

OPTIONS

--connection_pool

Connection pool system object identifier.

--max_connections

Maximum number of connections in connection pool.

--min_connections

Number of minimum connections in connection pool.

--max_statement_limit

Maximum number of cached statements in connection pool.

--initial_connections

Number of initial connections in connection pool.

--connection_wait_timeout

Connection wait timeout.

--inactivity_timeout

Inactivity timeout.

--time_to_live_timeout

Time to live timeout.

--abandoned_connection_timeout

Abandoned connection timeout.

--lower_threshold_limit

Lower threshold limit.

--property_check_interval

Property check interval.

--validate_connection

Should connection be validated or not.

EXAMPLES

```
beectl modify_connection_pool --connection_pool
232323-der344-455-3455ded --max_connections 40
```

modify_database

Modifies given database configuration.

SYNTAX

```
beectl modify_database --database <database instance ID or alias> [--schema_name
<schema name>] [--connect_string <connect string>] [--schema_password <schema
password>] [--xa_service_names <xa schema name> [--xa_service_names < xa schema
name>] .. ] [--ons_entry <ons name host:port> [--ons_entry < ons entry host:port>]
.. ]
```

OPTIONS

--database

Database system object identifier.

--schema_name

Schema name.

--connect_string

Connection descriptor.

--schema_password

Schema password.

--xa_service_names

Multiple values of xa service names can be given. See the usage.

--ons_entry

Notification server details in form of host:port.

EXAMPLES

```
beectl modify_database --database ab222-aa4-eee333-ddede5
--schema_name schema1
```

modify_deployment_structure

This command applies the specified template(s) to the local BeehiveInstance. Execute beectl list_deployment_templates command to view the available templates.

SYNTAX

```
beectl modify_deployment_structure --primary_template <primary template name>
[(--supplementary_template <supplementary template name>) ...] [--physical_memory_
available <physical memory>] [--number_of_processors_available <no of processors>]
[--bti_control_port <bti control port>] [--bti_server_port <bti server port>]
[--disable_sizing] [--cold_add_delete] [--do_not_restart_at_end]
```

OPTIONS

--primary_template

Identifier of the primary template to be applied. The command beectl list_deployment_templates displays the identifiers of available templates.

--supplementary_template

Identifier(s) of the supplementary template(s) to be applied. The command beectl list_deployment_templates displays the identifiers of available templates. A Supplementary Template represents the deployment structure of an OC4J with auxiliary services which augment the structure of the local Application tier without changing the primary template.

--physical_memory_available

Amount of physical memory in MB or GB allocated to this BeehiveInstance. For example 600MB or 10GB. This option updates the property AvailablePhysicalMemoryInMB of the local BeehiveInstance and is used in sizing. This option need not be provided if the value of this property is already set as needed.

--number_of_processors_available

No of processors allocated to this BeehiveInstance. This option updates the property AvailableNumberOfProcessors of the local BeehiveInstance. This option need not be provided if the value of this property is already set as needed.

--bti_control_port

BTI control port. This port is used to get BTI heartbeat by the OPMN daemon. This option is useful to configure or re-configure BTI control port and it need not be specified if BTI is already correctly configured on this Application tier.

--bti_server_port

BTI server port. This option is useful to configure or re-configure BTI server port on this Application tier and it need not be specified when BTI is already correctly configured on this Application tier.

--custom_service_parameter

Set of custom parameters. This option is useful to configure new services when the service configuration cannot be defaulted. This option need not be specified when all needed services are already configured.

--oc4j_admin_password

OC4J admin password. This option needs to be specified only for the very first Application tier installed in the site.

--disable_sizing

Create only the minimum number of OC4J instances per OC4J template.

--cold_add_delete

If specified, addition and deletion of J2EE components happens in cold mode. By default this happens in hot mode.

--cold_upgrade

If specified, upgrade of J2EE components happens in cold mode. By default this happens in hot mode.

--do_not_restart_at_end

If specified, the components are not restarted after deployment. By default components are restarted after deployment.

EXAMPLES

```
Below command will apply the mentioned primary and supplementary
templates to current Application tier. This command "may" wipe
off existing deployment structure of the Application tier.


beectl modify_deployment_structure --primary_template SERVER_
ONLY --supplementary_template EXAMPLE_SUPPLEMENTARY_TEMPLATE
--supplementary_template ANOTHER_EXAMPLE_SUPPLEMENTARY_TEMPLATE


Below command will apply the mentioned supplementary template to
current Application tier without changing any other deployment
```

structure. Configured minimum number of OC4J instances for the
specified supplementary template are created.

```
beectl modify_deployment_structure --supplementary_template
EXAMPLE_SUPPLEMENTARY_TEMPLATE --disable_sizing
```

modify_directory_profile

The modify_directory_profile command modifies an existing directory profile.
Modification to the profile name cannot be done.

SYNTAX

```
beectl modify_directory_profile --file <filename> [ --no_validate ]
```

OPTIONS

--file
XML file containing directory profile.

--no_validate
Skips the validation of profile against the directory server.

EXAMPLES

```
beectl modify_directory_profile --file MyDirectoryProfile.xml
```

```
beectl modify_directory_profile --file MyDirectoryProfile.xml
--no_validate
```

modify_email_port

Modifies E-mail Service's SMTP or IMAP port number

SYNTAX

```
beectl modify_email_port --type <smtp|imap> --port <port_number>
```

OPTIONS

--type
imap: IMAP port number

--type
smtp: SMTP port number

EXAMPLES

```
beectl modify_email_port --type smtp --port 1234
```

modify_email_queue

Enables or disables E-mail asynchronous queue processing

SYNTAX

```
beectl modify_email_queue --type <enable|disable|process|status>
```

OPTIONS

--type
enable: Resume or enable queue processing

--type
disable: Disable queue processing

--type
process: Process all the messages in the E-mail asynchronous queue immediately

--type
status: Show current status

EXAMPLES

```
beectl modify_email_queue --type enable

beectl modify_email_queue --type process
```

modify_enterprise

Modifies an existing enterprise

SYNTAX

```
beectl modify_enterprise --enterprise <Enterprise identifier> [--name <Enterprise
name>] [--description <Description>] [--hard_quota <Hard quota in megabytes (MB).
Use 'UNLIMITED' for unlimited quota>] [--sub_organization_quota <Default
sub-organization quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota>]
[--team_workspace_hard_quota <Default team workspace hard quota in megabytes (MB).
Use 'UNLIMITED' for unlimited quota> --team_workspace_soft_quota <Default team
workspace soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota>]
[--personal_workspace_hard_quota <Default personal workspace hard quota in
megabytes (MB). Use 'UNLIMITED' for unlimited quota> --personal_workspace_soft_
quota <Default personal workspace soft quota in megabytes (MB). Use 'UNLIMITED'
for unlimited quota>] [--personal_template <Personal workspace default template
identifier>] [--team_template <Team workspace default template identifier>]
```

OPTIONS

--enterprise
Enterprise identifier

--name
Enterprise name

--description

Description

--hard_quota

Hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--sub_organization_quota

Default sub-organization quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--team_workspace_hard_quota

Default team workspace hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--team_workspace_soft_quota

Default team workspace soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--personal_workspace_hard_quota

Default personal workspace hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--personal_workspace_soft_quota

Default personal workspace soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--personal_template

Personal workspace default template identifier

--team_template

Team workspace default template identifier

EXAMPLES

```
beectl modify_enterprise --enterprise
9941:2345:enpr:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name New_Name --description New_description

beectl modify_enterprise --enterprise
9941:2345:enpr:58D193D162CE4ED89FF66AB4E55745B6345464545453
--hard_quota 10000 --sub_organization_quota 1500 --team_
workspace_hard_quota 1000 --team_workspace_soft_quota 1000
--personal_workspace_hard_quota 1000 --personal_workspace_soft_
quota 1000 --team_template
09F3:7265:ttws:3A599FA8F12533AEE0404498826342040000000001DC
--personal_template
09F3:7265:tpws:3A599FA8F12533AEE0404498826342040000000001DB
```

modify_external_contact

The modify_external_contact command modifies existing external contact.

SYNTAX

```
beectl modify_external_contact   {        --contact <identifier of external
contact >     |         --email <Email address of the contact> }    [ --family_
name <+/-[locale:]family name> ... ]      [ --given_name <+/-[locale:]given name>
... ]    [ --display_name <+/-[locale:]display name> ... ]     [ --middle_name
<+/-[locale:]middle name> ... ]    [ --job_title <+/-[locale:]job title> ... ]
[ --prefix <+/-[locale:]prefix> ... ]    [ --suffix <+/-[locale:]suffix> ... ]
[ --nick_name <+/-[locale:]nick name> ... ]    [ --scope <identifier of contacts
parent> ]      [ --office_location <office location of the contact> ]      [
--company <company of the contact> ]      [ --profession <profession of the
contact> ]     [ --timezone <timezone of the contact> ]     [ --locale <locale of
the contact> ]     [ --department <department of the contact> ]     [
--organization <organization identifier> ... ]     [ --remove_organization
<organization identifier> ... ]     [ --property
<+/-name(assistant|certificate|notes)=value=description> ... ]     [ --address
<+/-type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ... ]     [ --default_address_for_type <type
of address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value>
]     [ --default_address_for_scheme <type of address(business_1|other_5|personal_
4|proxy_1|...):scheme(im|mailto|...):value> ]     [ --primary_address <type of
address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value> ]
[ --status <status of contact(enabled|disabled|locked)> ]
```

OPTIONS

--contact

The identifier of the external contact

--email

E-mail ID of the external contact

--family_name

Family name of the contact in the format: [+/-]value or [+/-]locale:value. If only value
is specified, the assumed value of locale is en_US. Example of locales are en, en_US,
en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the
parameter should be added or removed. + or no symbol means the parameter should
be added. If - is specified that means the parameter should be removed. Default action
is addition.

--given_name

Given name of the contact in the format: [+/-]value or [+/-]locale:value. If only value
is specified, the assumed value of locale is en_US. Example of locales are en, en_US,
en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the
parameter should be added or removed. + or no symbol means the parameter should
be added. If - is specified that means the parameter should be removed. Default action
is addition.

--display_name

Display name of the contact in the format: [+/-]value or [+/-]locale:value. If only
value is specified, the assumed value of locale is en_US. Example of locales are en, en_
US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the
parameter should be added or removed. + or no symbol means the parameter should
be added. If - is specified that means the parameter should be removed. Default action
is addition.

--middle_name

Middle name of the contact in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--job_title

Job title of the contact in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--prefix

Prefix of the contact in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--suffix

Suffix of the contact in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--nick_name

Nick name of the contact in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--scope

Identifier of the enterprise under which this contact will be created.

--office_location

Office location of the contact.

--company

Company of the contact.

--profession

Profession of the contact.

--timezone

time zone of the contact. list_timezones lists the valid time zones

--locale

Locale details of the contact. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--department

Department of the contact.

--organization

Identifiers of the organizations the contact must be part of.

--remove_organization

Identifiers of the organizations the contact must be removed from.

--property

Details of the property in the format [+/-]name=value=description. Supported names are certificate, assistant and notes. Note, no equals to symbol(=) should be present in the name or value or description. + or no symbol means the property should be added. If - is specified that means the property should be removed. Default action is addition.

--address

Address of the contact in the format [+/-]type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25. + or - in the start of the string tells whether the address should be added or removed. + or no symbol means the address should be added. If - is specified that means the address should be removed. Default action is addition.

--default_address_for_type

Address of the contact in the format type:scheme:value. Sets the specified address as the default for the specified type. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--default_address_for_scheme

Address of the contact in the format type:scheme:value. Sets the specified address as the default for the specified scheme. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--primary_address

Primary address of the contact in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--status

Sets the provisioning status of the external contact. Sets the provisioning status of the user. Supported values are ENABLED, DISABLED, LOCKED.

EXAMPLES

```
beectl modify_external_contact --user
6A95:21EB:extp:D9E9FC8134544BCE9D60559F9B997CCD000000000000
--given_name User1GivenName --family_name -en_CA:User1FamilyName
--office_location 4A037
```

```
beectl modify_external_contact --email contact1@example.com
--property +prop1:prop1value
```

```
beectl modify_external_contact --email contact1@example.com
--address +BUSINESS_1:mailto:contact1@example.com --address
-BUSINESS_2:im:contact2@example.com
```

```
beectl modify_external_contact --email contact1@example.com
--status disabled
```

modify_failed_action_events

Retry actions that have not completed successfully.

SYNTAX

```
beectl modify_failed_action_events --retry --bucket <Partition number> --sequence
<Sequence number>
```

OPTIONS

--retry

Retry the failed action event.

--bucket

Partition number

--sequence

Sequence number

EXAMPLES

```
beectl modify_failed_action_events --retry --bucket
MyBucketNumber --sequence MySequenceNumber
```

modify_feed_configuration

The modify_feed_configuration command modifies existing feed configurations.

SYNTAX

```
beectl modify_feed_configuration   {        --feed_configuration <feed
configuration >    | --scope <scope identifier>     --feedtype <feed type >
[--name <name>]       [--title <title >]       [--description <description>]
[--image <image >]         [--language <Language >]        [--copyright
<Copyright >]         [--webmaster <Webmaster >]        [--managing_editor
<Managing Editor>]    }
```

OPTIONS

--feed_configuration

CollabID of the feed configuration to be modified

--scope

Scope in which the feed configuration will be created

--feedtype

Feed type of the feed configuration. Permitted values are ANNOUNCEMENT, FORUM, FOLDER, LABEL, RECENT, TOPIC and VERSION.

--name

Name of the feed configuration.

--title

Title associated the feed configuration

--description

Description associated the feed configuration

--image

Image associated with this feed configuration

--language

Language associated with the feed configuration

--copyright

Copyright associated with the feed configuration

--webmaster

Webmaster associated with the feed configuration

--managing_editor

Managing Editor associated with the feed configuration

EXAMPLES

```
beectl modify_feed_configuration --scope enpr=example --feedtype
RECENT --name MyFeedConfiguration --title
BeehiveFeedConfiguration --description This is my Oracle Beehive
feed configuration.
```

```
beectl modify_feed_configuration --feed_configuration
6790:39AC:afrf:52921E226193384EE040578C5C84269C0000000ABB75
--name ForumFeedConfiguration --description This is a forum
feed. --image ForumLogo.gif --language en
```

modify_group

The modify_group command modifies a group. The group information is supplied in an XML file.

SYNTAX

```
beectl modify_group --file <filename> [ --ldapbootstrap ]
```

OPTIONS

--file

Filename of the XML file containing group definition.

--ldapbootstrap

LDAP bootstrap flag. If this flag is specified, then UDS groups will be created with directory locator and directory ID. This is relevant only when --file option is used.

EXAMPLES

```
beectl modify_group --file MyGroups.xml
```

```
beectl modify_group --file MyGroups.xml --ldapbootstrap
```

modify_hostname

Modifies the configuration repository for host name of the system and updates required configuration files.

SYNTAX

```
beectl modify_hostname [--start_at_end] [--new_host_name <new host name> [--no_
dns_validation] [--old_host_name <old host name>]... ]
```

OPTIONS

--sync

If specified, command will read values from configuration repository and sync it to the system configuration files.

--new_host_name

New host name of the local server.

--old_host_name

Old host names of the local server. This value will be used to replace any of the old host name pattern available in local files.

--new_host_ip

New IP address of the local server.

--old_host_ip

Old IP address of the local server.

--start_at_end

If specified, components on current Oracle Beehive instance will be started after modification to configuration files.

--no_dns_validation

If specified, DNS lookup validation of the new host name will not be performed.

EXAMPLES

```
beectl modify_hostname
```

```
Above command will read the values from file system and updates
configuration files and configuration repository with it.
```

```
beectl modify_hostname --new_host_name demo.example.com --old_
host_name oldhost1.example.com --old_host_name
oldhost2.example.com
```

```
Above example will update configuration repository as well as
all other configuration files with new host name.
```

```
Note: Shutdown the Application tier before running this command.
```

modify_im_preferences

Modifies existing instant message preferences of a user.

SYNTAX

```
beectl modify_im_preferences --user <user identifier or alias> [--archive
<true|false>] [--archive_folder <folder identifier or alias>] [--offline_delivery_
channel <mailto|pull>]
```

OPTIONS

--user

The user whose instant message preferences are to be modified.

--archive

Knob to turn user archiving on/off. Set it to true to turn it on or false otherwise.

--archive_folder

Folder to keep the instant message archive for this user.

--offline_delivery_channel

Effects the mode of offline message delivery. A value of "pull" refers to the semantics wherein the messages are kept with the server and are explicitly fetched by a client facing service on behalf of the user upon his next login. A value of "mailto" on other hand refers to the semantics wherein the offline message will be right away sent as an email to the user.

EXAMPLES

```
beectl modify_im_preferences --user user=beehive_test1
--offline_delivery_channel mailto

beectl modify_im_preferences --user
6C3E:0532:user:88E1F9EA3DD341A6B2E18768F17AC838000000000000
--archive true
```

modify_ip_phone_password_seed

Resets the seed of the password generator for IP phones. To send commands to an IP phone the requestor must be authenticated. The password is generated based on information in the phone but must be seeded to ensure security.

SYNTAX

```
beectl modify_ip_phone_password_seed --enterprise <Enterprise identifier>
[--algorithm <algorithm>] [--seed_length <seed length>]
```

OPTIONS

--enterprise

Identifier of the enterprise for which we are resetting the password seed.

--algorithm

Name of the algorithm used to generate password, this value will be stored in the backend. If not given, the value will be taken from the enterprise. An error will result if not given and not found on the enterprise. Must be a standard name allowed with instances of KeyGenerator according to appendix A of Java Cryptography Extension Reference Guide.

--seed_length

The length in bits of the seed to be generated. This value will be stored in the backend. If not given, the value will be taken from the enterprise. An error will result if not given and not found on the enterprise.

EXAMPLES

```
beectl modify_ip_phone_password_seed --enterprise
<740F:6AC7:enpr:3540AA5334A61A3AE040578C60160AFD000000030D45>
[--algorithm <DES>] [--seed_length <256>]
```

modify_local_ace

Replaces an Access Control Entry (ACE) in the Local Access Control List (LACL) of an entity.

SYNTAX

```
beectl modify_local_ace --entity <unique identifier of the entity> --accessor
<unique identifier of the Accessor> [--access_types <access types string>]
```

OPTIONS

--entity

Specify the unique identifier of the entity in which the ACE will be replaced.

--accessor

Specify the unique identifier of the Accessor to whom the access types will be applied.

--access_types

Specify the access types string for the Accessor.

EXAMPLES

```
beectl modify_local_ace --entity
adoc=MyDocument,wksp=MyWorkspace,enpr=MyEnterprise --accessor
loginid=MyUser --access_types +RW-D
```

modify_local_configuration_files

This command updates configuration files local to current Application tier with activated changes to centralized configuration. It can restart one or more components on current Application tier if needed to make the changes take effect. Some updates to local configuration files require this command to restart all Application tier components.

SYNTAX

```
beectl modify_local_configuration_files [--restart_needed]
```

OPTIONS

--restart_needed

Indicates if components should be restarted or not. If this option is specified with value false then no component will be stopped/restarted even though changes to local configuration files require a restart of one or more components for taking effect. If this option is specified with value true, and if the changes to local configuration files require a restart of one or more already running components then they will be restarted. The components which were NOT running will NOT be restarted.

EXAMPLES

```
beectl modify_local_configuration_files
```

```
Above command will update local configuration files with changes
if any and restart one or more Application tier components if
needed.
```

```
beectl modify_local_configuration_files --restart_needed false
```

```
Above command will not restart any component but it will display
warnings about components which need to be restarted due to
changes to local configuration files.
```

modify_max_address_count

The modify_max_address_count command modifies maximum number of addresses of an address type that can be set for a given person-contact, group-contact or resource-contact in an address-book. The address types determine the type of address like BUSINESS, PERSONAL & OTHER. The maximum count specified in this command must be less than the system defined maximum limit, which can be determined by running list_max_address_count command.

SYNTAX

```
beectl modify_max_address_count --max_address_count <integer value>
```

OPTIONS

--max_address_count

Maximum number of addresses of an address-type.

EXAMPLES

```
beectl modify_max_address_count --max_address_count 5
```

modify_notification_template

Modifies a specified notification template for the Notification service.

SYNTAX

```
beectl modify_notification_template --file <path to the xml instruction file>
```

OPTIONS

--file
Specify the full path and file name of the notification XML file.

EXAMPLES
```
beectl modify_notification_template --file
/tmp/nms/UpdateNewInvitationTemplate.xml
```

modify_organization

Modifies an existing organization

SYNTAX
```
beectl modify_organization --organization <Organization identifier> [--name
<Organization name>] [--description <Description>] [--hard_quota <Hard quota in
megabytes (MB). Use 'UNLIMITED' for unlimited quota>] [--sub_organization_quota
<Default sub-organization quota in megabytes (MB). Use 'UNLIMITED' for unlimited
quota>] [--team_workspace_hard_quota <Default team workspace hard quota in
megabytes (MB). Use 'UNLIMITED' for unlimited quota> --team_workspace_soft_quota
<Default team workspace soft quota in megabytes (MB). Use 'UNLIMITED' for
unlimited quota>] [--personal_workspace_hard_quota <Default personal workspace
hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota> --personal_
workspace_soft_quota <Default personal workspace soft quota in megabytes (MB). Use
'UNLIMITED' for unlimited quota>] [--personal_template <Personal workspace default
template identifier>] [--team_template <Team workspace default template
identifier>]
```

OPTIONS

--organization
Organization identifier

--name
Organization name

--description
Description

--hard_quota
Hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--sub_organization_quota
Default sub-organization quota in megabytes (MB). Use 'UNLIMITED' for unlimited
quota

--team_workspace_hard_quota
Default team workspace hard quota in megabytes (MB). Use 'UNLIMITED' for
unlimited quota

--team_workspace_soft_quota

Default team workspace soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--personal_workspace_hard_quota

Default personal workspace hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--personal_workspace_soft_quota

Default personal workspace soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--personal_template

Personal workspace default template identifier

--team_template

Team workspace default template identifier

EXAMPLES

```
beectl modify_organization --organization
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name New_Name --description New_description

beectl modify_organization --organization
9941:2345:orgn:58D193D162CE4ED89FF66AB4E55745B6345464545453
--hard_quota 10000 --sub_organization_quota 1500 --team_
workspace_hard_quota 1000 --team_workspace_soft_quota 1000
--personal_workspace_hard_quota 1000 --personal_workspace_soft_
quota 1000 --personal_template
09F3:7265:tpws:3A599FA8F12533AEE0404498826342040000000001DB
--team_template
09F3:7265:ttws:3A599FA8F12533AEE0404498826342040000000001DC
```

modify_patch_information

Add, append or removes the patch information from the given archives.

SYNTAX

```
beectl modify_patch_information (--archive_file_list  <file containing list of
archives> | --archive_directory  <directory containing archives> |  --archive_file
<archive name> [--archive_file <archive name> ...])  (--upgrade_conf <patch of
upgrade.conf> |  --add_patch <patch ID > [--private_patch] [--constituent_patch
<constituent patch ID> ...] | --delete_patch <patch ID to delete> [--delete_patch
<patch ID to delete> ...])
```

OPTIONS

--archive_file_list

A simple text file containing list of archive files which needs to be acted upon. Every line in the file will be taken as one archive file entry relative to current oracle home. Non-archive files will be ignored.

--archive_directory

Directory in which archives will be searched.

--archive_file

Archive file which should be acted upon.

--upgrade_conf

Full path of upgrade.conf which has the upgrade information.

--add_patch

The specified patch will be added in all archives.

--private_patch

The patch specified above is a private patch.

--constituent_patch

Set of constituent patches to the above main patch.

--delete_patch

The specified patch will be removed from all archives.

EXAMPLES

```
beectl modify_patch_information --upgrade_conf --archive_file_
list /tmp/upgrade.conf --upgrade_conf /tmp/file_list.txt

Above command will update the archives specified in file list
according to the patch information in upgrade.conf.
```

modify_personal_workspace

Modifies an existing personal workspace

SYNTAX

```
beectl modify_personal_workspace --workspace <Workspace identifier> [--name
<Workspace name>] [--description <Description>] [--hard_quota <Hard quota in
megabytes (MB). Use 'UNLIMITED' for unlimited quota> --soft_quota <Soft quota in
megabytes (MB). Use 'UNLIMITED' for unlimited quota>]
```

OPTIONS

--workspace

Workspace identifier

--name

Workspace name

--description

Description

--hard_quota
Hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--soft_quota
Soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

EXAMPLES
```
beectl modify_personal_workspace --workspace
9941:2345:wspr:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name New_Name --description New_description
```
```
beectl modify_personal_workspace --workspace
9941:2345:wspr:58D193D162CE4ED89FF66AB4E55745B6345464545453--har
d_quota 1000 --soft_quota 1000
```

modify_policy

Modifies an existing policy using data in an XML file.

SYNTAX
```
beectl modify_policy --file <full path to the policy xml file>
```

OPTIONS

--file
Specify the absolute path of the XML file that contains the policy data.

EXAMPLES
```
beectl modify_policy --file /private/xml/MyPolicy.xml
```

modify_policy_schema

Modifies an existing policy schema using data in an XML file.

SYNTAX
```
beectl modify_policy_schema --file <full path to the xml file>
```

OPTIONS

--file
Specify the absolute path of the XML file that contains the policy schema data.

EXAMPLES
```
beectl modify_policy_schema --file
/private/xml/MyPolicySchema.xml
```

modify_policy_template

Modifies an existing policy template using data in an XML file.

SYNTAX

```
beectl modify_policy_template --file <full path to the xml file>
```

OPTIONS

--file

Specify the absolute path of the XML file that contains the policy template data.

EXAMPLES

```
beectl modify_policy_template --file
/private/xml/MyPolicyTemplate.xml
```

modify_port

Modifies various ports.

Valid protocols are

SMTP

IMAP

XMPP

XMPPS

FTP

HTTP

HTTPS

BTP

BTPS

OC4J-JGROUP-RANGE

OC4J-AJP-RANGE

OC4J-RMI-RANGE

OC4J-RMIS-RANGE

OC4J-JMS-RANGE

OC4J-SIP-RANGE

OC4J-AJP-RANGE identifies the range of ports in current site for either AJP or secure AJP protocol whichever is enabled.

SYNTAX

```
beectl modify_port [--protocol <protocol name> [([--virtual_port <virtual port for
the site>][--listen_port <listen port for protocol>] |[--port <common port
value>])] [--maximum_port <maximum value in the range> --minimum_port <minimum
value in the range>]] |[--component <system object identifier or alias> --name
<name of the port property> --port <value of the port> ]
```

OPTIONS

--protocol

Name of the protocol for which port needs to be modified.

--virtual_port

Port to which the clients will connect. This value will be modified for the entire site.

--listen_port

The actual port which will be opened on each Application tier. Typically a listening port.

--port

Convenience option to set both --virtual_port and --listen_port together with same value.

--component

Identifier of the configuration component to be modified. Combined with --name, this option can be used to modify internal ports. For example control port of the BTI or request port of OPMN.

--name

Name of the internal port property on the configuration object identified by --component option.

--maximum_port

Some components allocate free port dynamically during process start. For such processes, only the permitted port range is managed. This option can be used to modify the maximum value of the range for the given protocol.

--minimum_port

Some components allocate free port dynamically during process start. For such processes, only the permitted port range is managed. This option can be used to modify the maximum value of the range for the given protocol.

EXAMPLES

```
beectl modify_port --protocol HTTP --virtual_port 80 --listen_
port 7774
```

Above example modifies virtual and listen port values for HTTP protocol for all Application tiers.

```
beectl modify_port --protocol HTTP --port 80
```

Above example modifies virtual and listen port values to same given port value for HTTP protocol for all Application tiers.

```
beectl modify_port --protocol HTTPS --port 7445 --component
c093d4cc-d9cc-42ae-bc45-4b31fab07190
```

Above example modifies listen port value for HTTPS protocol for given HttpServer configuration component. This can also be achieved using the beectl modify_property command.

```
beectl modify_port --component
c093d4cc-d9cc-42ae-bc45-4b31fab07190 --name RequestPort --port
2003
```

Above example modifies port value identified by name RequestPort for given configuration component specified by option --component. This can also be achieved using the beectl modify_ property command.

```
beectl modify_port --protocol OC4J-AJP-RANGE --maximum_port
20601 --minimum_port 20700
```

Above example modifies port range values for given protocol for all OC4Js in all Application tiers. Use option --component to specify the identifier of the OC4J to be modified.

modify_preference_set

The modify_preference_set command modifies the preference set by setting the extends from attribute.

SYNTAX

```
beectl modify_preference_set --set <Preference set identifier> --extends
<Preference set identifier>
```

OPTIONS

--set
Identifier of the preference set specified in ID format, which can be determined by running list_preference_sets command with "--entity_format id" option.

--extends
Identifier of the preference set from which the new preference set is extended.

EXAMPLES

```
beectl modify_preference_set --set
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000979
--extends
5965:3658:prfs:B7CAC0E31E554593B7A93B24B0FD09F2000000000978
```

modify_property

Modifies the value(s) of a named property of the component identified by --component. Multiple values can be set for one property.

Note :- Option value should not start with hyphen(-). If an option value starts with hyphen, use any one of the following syntaxes. 1. Use <option-name>=<option value> format. This is the preferred way to specify the option values starting with hyphens. 2.

Prepend the option value with string "ESCAPE:". 3. Prepend the option value with backslash "\\". This is the least preferred way. This may not work in some platforms, esp in windows platforms it will not work.

SYNTAX

```
beectl modify_property --component <system object identifier or alias> --name
<name> [ --file <filename> | --revert_to_default | --value <value>... ]
```

OPTIONS

--component
component ID.

--name
Name of the property.

--value
Value of the property.

--file
The contents of this file would be assigned as the value of the specified property. The property MUST be of type String.

--revert_to_default
flag indicating, if values need to be reverted back as original.

EXAMPLES

```
The command execution shown below would set the BaseLogLevel
property of the config object to FINE.
```

```
beectl modify_property --component
486318ac-f162-477b-814f-140836c257af --name BaseLogLevel --value
FINE
```

```
The command execution shown below would revert back the
BaseLogLevel property of the config object to the initial
default value, if any. If there is no initial default value
configured for this property on this config object then the
value would be cleared.
```

```
beectl modify_property --component
486318ac-f162-477b-814f-140836c257af --name BaseLogLevel
--revert_to_default
```

```
The command execution shown below would set the contents of the
specified file as the value of the PostResolutionRules property
of the config object. The property PostResolutionRules must be
of type String.
```

```
beectl modify_property --component
520118ac-f162-477b-814f-452106c257cb --name PostResolutionRules
--file /tmp/post_resolution_rules.xml
```

The command execution shown below would set the values starting
'-' to the StartParameter property of the config object. The
property StartParameter must be of type String.

```
beectl modify_property --component
520118ac-f162-477b-814f-452106c257cb --name StartParameter
--value="-Dhttp.maxFileInfoCacheEntries=-1 -ms128M -mx512M"
```

modify_resource_classifications

This command set the given category as resource root classification.

SYNTAX
```
beectl modify_resource_classifications [--enterprise <enterprise ID>] --category
<category ID>
```

OPTIONS

--enterprise
Deprecated option. Use --scope instead.

--category
Category identifier to set as root classification.

EXAMPLES
```
beectl modify_resource_classifications --category
395A:346B:catg:2C5F7E98E076D382E040578CA60B0D0E000000062022
```

modify_resources

Modifies an existing resource.

SYNTAX
```
beectl modify_resources {--resource <resource ID> | --select_by_name name }
[--name <name>]          [--email_address <email address>] [--phone_number <phone_
number>] [--website <website>] [--postal_address <postal address>]
[--identifier <identifier>] [--booking_info <booking info>] [--description
<description>]           [--timezone <timezone ID>] [--location <location>]
[--capacity <capacity>]          [--add_approver <approver ID>][--delete_approver
<approver ID>]          [--booking_characteristics <[O]pen>|<[F]CFS>] [--scope
<organization>] [--custom_processing <[T]rue>|<[F]alse>]          [--accessible_by
<everyone | nobody | groupid | userid> ]   beectl modify_resources {--resource
<resource ID> | --select_by_name name } --external [--name <name>]
[--email_address <email address>] [--phone_number <phone_number>] [--website
<website>] [--postal_address <postal address>]          [--capacity <capacity>]
[--timezone <timezone name>] [--location <location>]          [--booking_info
<booking info>] [--description <description>] [--scope <organization>]
```

OPTIONS

--resource
Resource ID.

--select_by_name
modify a resource by name

--name
Modify the name of the resource.

--email_address
Modify the BUSINESS_1 e-mail address of the resource.

--phone_number
Modify the BUSINESS_1 phone number of the resource.

--website
Modify the BUSINESS_1 web site of the resource.

--postal_address
Specify the BUSINESS_1 postal address of the resource. The required format is:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country>. All fields are optional but at least one field
must appear in a valid address of this type. For example, orapostal:l1=1, Main Street is
a valid address. The ? character must not be encoded when used as a separator; it must
be encoded in all other cases. For example orapostal:l1=1?l2=Which
Street%3F?code=12345 is a valid address; but orapostal:l1=1?l2=Which
Street??code=12345 is not a valid address because the question mark appearing as part
of the address "Which Street?" is not encoded.

--timezone
Modify the time zone of the resource.

--location
Specify the location description of the resource. It must be a xHTML string.

--identifier
Modify the identifier of the resource.

--capacity
Modify the capacity of the resource.

--external
Modify an external resource. If this option is not specified, the command modifies
bookable resources.

--add_approver
Resource approver to add.

--delete_approver

Resource approver to delete.

--booking_characteristics

Specify resource default calendar booking characteristics. Specify [O] for Open or [F] for First Come First Serve, case insensitive.

--booking_info

Specify resource booking information. It must be a xHTML string.

--description

Specify the description of the resource. It must be a xHTML string.

--scope

Specify the new enterprise/organization the resource will be attached to.

--custom_processing

Specify if this resource requires custom processing. Specify "T", "True", "F" or "False", case insensitive.

--accessible_by

Specify who can access this resource. It must be one of "everyone", "nobody", a group ID or finally a user ID, case insensitive. Use "everyone" to reset the accessibility to the default for the resource.

EXAMPLES

```
beectl modify_resources --resource
395A:346B:bkrs:2C5F7E98E076D382E040578CA60B0D0E000000062327
--name "Resource2" --capacity 3
```

modify_role_definition

Modifies an existing RoleDefinition entity.

SYNTAX

```
beectl modify_role_definition --role_definition <unique identifier of the
RoleDefinition> [--name <name of RoleDefinition>] [--description <description>]
[[--privilege <privilege name>]...] [[--add_privilege <privilege name>]...]
[[--remove_privilege <privilege name>]...] [--access_types <access types string>]
[--always_enabled <boolean value>]
```

OPTIONS

--role_definition

Specify the unique identifier of the RoleDefinition to be modified.

--name

Modify the name of the RoleDefinition.

--description

Modify the description of the RoleDefinition.

--privilege

Modify the privileges of the RoleDefinition. To determine a list of valid privilege arguments, use the list_privileges command. This option can be specified more than once.

--add_privilege

Add privileges to the RoleDefinition. To determine a list of valid privilege arguments, use the list_privileges command. This option can be specified more than once.

--remove_privilege

Remove privileges from the RoleDefinition. To determine a list of valid privilege arguments, use the list_privileges command. This option can be specified more than once.

--access_types

Modify the access types for the RoleDefinition.

--always_enabled

Modify the AlwaysEnabled option of the RoleDefinition. Specify the TRUE argument to enable, and FALSE to disable.

EXAMPLES

```
beectl modify_role_definition --role_definition
acrd=MyRoleDefinition,wksp=MyWorkspace,enpr=MyEnterprise --name
MyRoleDefinition2
```

modify_search

Create system model objects for Search and configure them

SYNTAX

```
beectl modify_search [--option1 <option1argument> ... ]
```

OPTIONS

--sync_frequency

Sync frequency of the search crawler (in seconds)

--max_results

Maximum number of results to return

--cached_page_max_length

Maximum length of cached pages

--wildcard_char

The desired wildcard character

--exclude_regex

True to exclude regular expressions, false otherwise

--maximum_search_duration

Maximum time to allow a search to run before returning (in seconds)

--case_sensitive

True for case sensitivity, false otherwise

--two_db_mode

True if operating in two db mode, false otherwise

--recovery

True if operating in recovery mode, false otherwise

EXAMPLES

```
beectl modify_search --sync_frequency 100 --max_results 1000
--cached_page_max_length 1000 --wildcard_char \* --exclude_regex
false --maximum_search_duration 30 --case_sensitive false --two_
db_mode false --recovery false
```

modify_search_engine

Starts or stops the search crawl process for a specific source type

SYNTAX

```
beectl modify_search_engine --crawl <start|stop> --source <type>
```

OPTIONS

--crawl

Starts or stops the search crawl process

--source

Source type to start or stop crawling (E.g. EMAILS, DOCUMENTS, CALENDARS and ALL)

EXAMPLES

```
beectl modify_search_engine --crawl start --source all
```

modify_secure_property

This command updates the sensitive property of the system model object identified by the --component.

Note :- Option value should not start with hyphen(-). If an option value starts with hyphen, use any one of the following syntaxes. 1. Use <option-name>=<option value> format. This is the preferred way to specify the option values starting with hyphens. 2. Prepend the option value with string "ESCAPE:". 3. Prepend the option value with backslash "\\". This is the least preferred way. This may not work in some platforms, esp in windows platforms it will not work.

SYNTAX

```
beectl modify_secure_property --component <system object identifier or alias>
--name <name> --value <obfuscated value> --obfuscated
```

OPTIONS

--component

component ID.

--name

Name of the property.

--value

Value of the property.

EXAMPLES

```
beectl modify_secure_property --component
d4261c24-e917-4e37-9777-41799ef9abe8 --obfuscated --name
AdminPassword --value
```

modify_sensitivity

Modifies an existing Sensitivity entity.

SYNTAX

```
beectl modify_sensitivity --sensitivity <unique identifier of the Sensitivity>
[--name <name of Sensitivity>] [--description <description>] [--sensitivity_only
<boolean value>] [--delegatable <boolean value>]
```

OPTIONS

--sensitivity

Specify the unique identifier of the Sensitivity to be modified.

--name

Modify the name of the Sensitivity.

--description

Modify the description of the Sensitivity.

--sensitivity_only

Modify the SensitivityOnly option for the Sensitivity. Specify the TRUE argument to
enable, and FALSE to disable.

--delegatable

Modify the Delegatable option for the Sensitivity. Specify the TRUE argument to
enable, and FALSE to disable.

EXAMPLES

```
beectl modify_sensitivity --sensitivity
acsn=MySensitivity,wksp=MyWorkspace,enpr=MyEnterprise --name
MySensitivity2
```

modify_sensitivity_ace

Replaces an Access Control Entry (ACE) in the Sensitivity Access Control List (SACL) of a Sensitivity entity.

SYNTAX

```
beectl modify_sensitivity_ace --sensitivity <unique identifier of the entity>
--accessor <unique identifier of the Accessor> [--access_types <access types
string>]
```

OPTIONS

--sensitivity
Specify the unique identifier of the Sensitivity in which the ACE will be replaced.

--accessor
Specify the unique identifier of the accessor to whom the access types were applied.

--access_types
Specify the access types string for the Accessor.

EXAMPLES

```
beectl modify_sensitivity_ace --sensitivity
acsn=MySensitivity,wksp=MyWorkspace,enpr=MyEnterprise --accessor
loginid=MyUser --access_types +RW-D
```

modify_team_workspace

Modifies an existing team workspace

SYNTAX

```
beectl modify_team_workspace --workspace <Workspace identifier> [--name <Workspace
name>] [--description <Description>] [--add_participant <User or group identifier>
[--role <Role definition identifier>]] [--remove_participant <User or group
identifier>] [--email_address <Team workspace email address>] [--participation_
mode <Team workspace participation mode. Value can be INVITE_ONLY, OPEN, or
APPROVE_REQUIRED>] [--directory_listed <TRUE|FALSE. Default value is FALSE>]
[--hard_quota <Hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota>
--soft_quota <Soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota>]
```

OPTIONS

--workspace
Workspace identifier

--add_participant

Add a user or group to the team workspace

--role

Workspace role definition identifier for the participants to be added

--remove_participant

Remove a user or group from the team workspace

--email_address

Team workspace e-mail address

--participation_mode

Team workspace participation mode. Value can be INVITE_ONLY, OPEN, or APPROVE_REQUIRED

--directory_listed

TRUE | FALSE. Default value is FALSE

--name

Workspace name

--description

Description

--hard_quota

Hard quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

--soft_quota

Soft quota in megabytes (MB). Use 'UNLIMITED' for unlimited quota

EXAMPLES

```
beectl modify_team_workspace --workspace
wksp=myWorkspace,enpr=Oracle --add_participant user=userId
--role acrd=workspace-coordinator,enpr=Oracle --email_address
teamworkspace@company.com --participation_mode OPEN --directory_
listed TRUE
```

modify_timezones

Modify a time zone.

SYNTAX

```
beectl modify_timezones {--select_by_name <TimeZoneName> [--common] | --timezone
<TimeZoneCollabId> [--common] | --reset_to_default}
```

OPTIONS

--timezone

Time zone ID. This option is optional and can be entered only once.

--select_by_name

Select time zone by name. This option is optional and can be entered only once.

--common

Set the specified time zone as common. This option is optional and can be entered only once.

--reset_to_default

Reset time zones to factory default. This option is optional and can be entered only once.

EXAMPLES

```
beectl modify_timezones --select_by_name America/New_York

beectl modify_timezones --reset_to_default
```

modify_trusted_identity

This command modifies the details of the trusted identity. At least one of the options new_service_name or new_key_alias need to be specified for this modification if the type is WSSEC. If the type of identity is not specified, it is defaulted to WSSEC.

SYNTAX

```
beectl modify_trusted_identity  [--type WSSEC --service_name <service name>
[--new_service_name <new service name>] [--new_key_alias <new key alias>]]
[--type SES --name <Trusted Entity Name> --new_name <New Trusted Entity Name>
--new_password <New Trusted Entity Password>]
```

OPTIONS

--service_name

String value of the service principal name with which it will be identified in Beehive. This option is mandatory if type is WSSEC.

--new_service_name

String value of the new service principal name with which it will be identified in Beehive. This option is mandatory if type is WSSEC.

--new_key_alias

The new alias of the service which is used to register the certificate in the wallet. This option is mandatory if type is WSSEC.

--type

String value indicating the type of trusted identity: SES or WSSEC.SES refers to Secure Enterprise Search. WSSEC refers to Web services security.

--name

String value representing the name of the SES trusted entity.

--new_name

String value representing the new name of the SES trusted entity.

--new_password

String value representing the new password of the SES trusted entity.

EXAMPLES

modify_user

The modify_user command modifies existing users.

SYNTAX

```
beectl modify_user   {        --user <User Identifier>      |        --email
<Email address of the user>   }    [ --family_name <+/-[locale:]family name> ]
[ --given_name <+/-[locale:]given name> ... ]     [ --display_name
<+/-[locale:]display name> ... ]      [ --middle_name <+/-[locale:]middle name> ...
]    [ --job_title <+/-[locale:]job title> ... ]      [ --prefix
<+/-[locale:]prefix> ... ]     [ --suffix <+/-[locale:]suffix> ... ]      [ --nick_
name <+/-[locale:]nick name> ... ]     [ --scope <identifier of users parent> ]
[ --office_location <office location of the user> ]      [ --company <company of
the user> ]    [ --profession <profession of the user> ]      [ --timezone
<timezone of the user> ]      [ --locale <locale of the user> ]      [ --department
<department of the user> ]      [ --assistant <assistant identifier> ]      [
--manager <manager identifier> ]      [ --organization <organization identifier>
... ]      [ --remove_organization <organization identifier> ... ]      [ --login_id
<+/-login_id> ]      [ --login_password <password> ]      [ --voice_principal
<+/-voice devicenumber> ]      [ --voice_pin <pin> ]      [ --property
<+/-name=value=description> ... ]      [ --protocol_principal <+/-protocol
principal> ]      [ --protocol_password <protocol password> ]      [ --address
<+/-type of address(business_1|other_5|personal_4|proxy_
1|...):scheme(im|mailto|...):value> ... ]      [ --default_address_for_type <type
of address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value>
]      [ --default_address_for_scheme <type of address(business_1|other_5|personal_
4|proxy_1|...):scheme(im|mailto|...):value> ]      [ --primary_address <type of
address(business_1|other_5|personal_4|proxy_1|...):scheme(im|mailto|...):value> ]
[ --status <status of user(enabled|disabled)> ]     [ --external_inbox <true|false>
]      [ --delegate <[+][delegated_principal_name]:identifier_of_delegator or
-delegated_principal_identifier> ]     [ --lock <principal/account to be
locked(PRIMARY|PROTOCOL|VOICE|USER)> ]      [ --unlock <principal/account to be
unlocked(PRIMARY|PROTOCOL|VOICE|USER)> ]
```

OPTIONS

--user

Identifier of the user.

--email

Exact e-mail ID of the user whose details have to be retrieved. It should be in the format user1@example.com

--family_name

Family name of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--given_name

Given name of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--display_name

Display name of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--middle_name

Middle name of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--job_title

Job title of the user in the format: value or locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--prefix

Prefix of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--suffix

Suffix of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--nick_name

Nick name of the user in the format: [+/-]value or [+/-]locale:value. If only value is specified, the assumed value of locale is en_US. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc. + or - in the start of the string tells whether the parameter should be added or removed. + or no symbol means the parameter should be added. If - is specified that means the parameter should be removed. Default action is addition.

--scope

Identifier of the enterprise or organization under which this user will be created.

--office_location

Office location of the user. To unset the previously defined value pass either of the following strings: NULL or null.

--company

Company of the user. To unset the previously defined value pass either of the following strings: NULL or null.

--profession

Profession of the user. To unset the previously defined value pass either of the following strings: NULL or null.

--timezone

time zone of the user. list_timezones lists the valid time zones

--locale

Locale details of the user. Example of locales are en, en_US, en_CA, zh_CN, fr_FR, ja_JP, etc.

--department

Department of the user. To unset the previously defined value pass either of the following strings: NULL or null.

--assistant

Identifier of the assistant.

--manager

Identifier of the manager.

--organization

Identifiers of the organizations the user must be part of.

--remove_organization

Identifiers of the organizations the user must be removed from.

--property

Details of the property in the format [+/-]name=value=description. All custom properties are supported. Note, no equals to symbol(=) should be present in the name or value or description. + or no symbol means the property should be added. If - is specified that means the property should be removed. Default action is addition.

--address

Address of the user in the format [+/-]type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25. +

or - in the start of the string tells whether the address should be added or removed. + or no symbol means the address should be added. If - is specified that means the address should be removed. Default action is addition.

--default_address_for_type
Address of the user in the format type:scheme:value. Sets the specified address as the default for the specified type. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--default_address_for_scheme
Address of the user in the format type:scheme:value. Sets the specified address as the default for the specified scheme. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format: l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--primary_address
Primary address of the user in the format type:scheme:value. Supported schemes are mailto, tel, fax, ftp, http, https, im, imap, ldap, news, nntp, oraalert, oraassistantphone, oracallback, oraisdn, oramobile, oracarphone, orapager, orapostal, orapush, oraradio, orasms, oratelex, orattyttd, oravmail, pres, sip, urn, xmpp. Note: orapostal should be of the format:
l1=<address-line-1>?l2=<address-line-2>?box=<post-box-number>?cy=<city>?st=<state>?code=<postal-code>?c=<country> where all fields l1, l2, box, cy are optional but at least one of them should be present. Supported types are BUSINESS_1 to BUSINESS_5, PERSONAL_1 to PERSONAL_5, OTHER_1 to OTHER_5, PROXY_1 to PROXY_25.

--login_id
The login credentials of the user. A user can have only one login ID. Hence if a user already has a login ID then the old value will be replaced with the new value.

--login_password
Login password.

--voice_principal
Voice principal of the user. A user can have only one voice principal. Hence if a user already has a voice principal then the old value will be replaced with the new value.

--voice_pin
Pin number for the voice device.

--protocol_principal

Protocol principal of the user. A user can have only one protocol principal. Hence if a user already has a protocol principal then the old value will be replaced with the new value.

--protocol_password

Protocol password.

--status

Sets the provisioning status of the user. Supported values are ENABLED, DISABLED.

--external_inbox

Boolean values which indicates if user's inbox is external or not. Supported values are TRUE, FALSE.

--delegate

Details of the delegated principal in the format principal_name:delegated_identifier or -delegated_principal_identifer. principal_name is the name of the delegated principal that will be created and delegated_identifier is the identifier of the actor who is being delegated. + or - in the start of the string tells whether the principal should be added or removed. + or no symbol means the delegated principal should be added. If the principal name contains a colon(:) it should be properly escaped. If - is specified that means the delegated principal should be removed. In this case only the identifier of the delegated principal has to be specified. Default action is addition. While removing the principal the minus sign (-) has to be escaped. Example: use a s ESCAPE:-. For more details on escaping please refer to beectl help.

--lock

Locks the principal specified. Valid values are PRIMARY, PROTOCOL, VOICE, USER. USER will lock account of the user.

--unlock

Unlocks the principal specified. Valid values are PRIMARY, PROTOCOL, VOICE, USER. USER will unlock account as well as all the principals of the user.

EXAMPLES

```
beectl modify_user --user loginid=user1 --given_name
User1GivenName --family_name -en_CA:User1FamilyName --office_
location 4A037
```

```
beectl modify_user --email user1@example.com --property +is_
external_user=true
```

```
beectl modify_user --email user1@example.com --address BUSINESS_
1:mailto:user1@example.com --address ESCAPE:-BUSINESS_
2:im:user1@example.com
```

```
beectl modify_user --user loginid=user1 --voice_principal
1234567 --voice_pin 123423 --protocol_principal
ESCAPE:-protocolPrincipal
```

```
beectl modify_user --user loginid=user1 --lock PROTOCOL


beectl modify_user --user loginid=user1 --unlock PRIMARY


beectl modify_user --user loginid=user1 --unlock USER


beectl modify_user --user loginid=user1 --nick_name
+en:User1NickName --assistant loginid=user3 --manager
loginid=user2


beectl modify_user --email user1@example.com --status disabled


beectl modify_user --user loginid=user1 --delegate
DelegatedPrincipalName:loginid=user2


beectl modify_user --user loginid=user1 --delegate
ESCAPE:-pcpd=CalendarDelegation2,loginid=rafiul2
```

modify_user_subscription

Enables or disables an existing subscription

SYNTAX

```
beectl modify_user_subscription --enable {true|false} --subscription <Subscription
identifier>
```

OPTIONS

--enable

Enable or disable the subscription. Permitted values are 'true' (enable subscription) or 'false' (disable subscription)

--subscription

Specify the identifier of the subscription.

EXAMPLES

```
beectl modify_user_subscription --enable true --subscription
5457:7954:subs:337F34E37E8E81F1E040578C921630B700000000B864
```

modify_version_configuration

Updates a given version configuration.

SYNTAX

```
beectl modify_version_configuration --configuration <Configuration identifier>
--file <Full path of the configuration XML file>
```

OPTIONS

--configuration

Version configuration to be updated.

--file

Full path of the version configuration XML file. The file must contain properly formatted data.

EXAMPLES

```
beectl modify_version_configuration --configuration
9941:2345:avcg:58D193D162CE4ED89FF66AB4E55745B6345464545453
--file /tmp/configuration.xml
```

modify_virus_scan_policy

Modifies the virus scan policy configured for the Site. Valid values for the scan policy are: NO_SCAN_OR_REPAIR, SCAN_ONLY, SCAN_AND_REPAIR. Default is NO_SCAN_OR_REPAIR.

SYNTAX

```
beectl modify_virus_scan_policy [ --scanpolicy <virusscanpolicy> ]
```

OPTIONS

--scanpolicy

Virus scan policy. Default is NO_SCAN_OR_REPAIR.

EXAMPLES

```
beectl modify_virus_scan_policy --scanpolicy SCAN_AND_REPAIR
```

modify_workspace_template

Modifies an existing workspace template

SYNTAX

```
beectl modify_workspace_template --template <Workspace template identifier>
[--file <Full path of the template file>] [--name <Workspace template name>]
```

OPTIONS

--template

Workspace template identifier

--file

Full path of the template file

--name

Workspace template name

EXAMPLES

```
beectl modify_workspace_template --template
9941:2345:twtt:58D193D162CE4ED89FF66AB4E55745B6345464545453
--file /tmp/template.xml

beectl modify_workspace_template --template
9941:2345:twtt:58D193D162CE4ED89FF66AB4E55745B6345464545453
--name New_Name --file /tmp/template.xml
```

obfuscate

Obfuscates the prompted string.

SYNTAX

```
beectl obfuscate [--expiration_time_in_minutes 30]
```

OPTIONS

--expiration_time_in_minutes

Indicates the time in minutes for which obfuscated string should be valid for the use in this Beehive instance. If "0" is passed, obfuscated string will never expire.

EXAMPLES

```
beectl obfuscate

(Prompted)Enter the password : [User types in the password which
is not echoed on the standard output].
```

restart

Manages OC4J Instances, Beehive Transport Infrastructure Monitors and Oracle HTTP servers components. The command "beectl status" displays the component ID and the status of these manageable components.

SYNTAX

```
beectl restart [ --component <component ID> | --all | --serially]
```

OPTIONS

--component

Identifier of component to restart. To restart more than one component at a time, specify this option multiple times.

--all

restart all managed components.

--serially

It specified, restarts all the components one by one.

EXAMPLES

```
beectl restart --all

beectl restart --component 5792bd5f-3b46-42de-a15d-8fe4b86fd46f
```

send_broadcast_im_message

Sends Instant Message to all online users.

SYNTAX

```
beectl send_broadcast_im_message --from <IM address of user sending the message>
[--subject Subject of the Instant Message to be sent to all online users]
--message <Instant Message to be sent to all online users>
```

OPTIONS

--from

IM address of user sending the message

--subject

Subject of the Instant Message to be sent to all online users

--message

Instant Message to be sent to all online users

EXAMPLES

```
beectl send_broadcast_im_message --from im:user1@example.com
--subject announcement --message Hello

beectl send_broadcast_im_message --from im:user1@example.com
--message Hello
```

start

Manages OC4J Instances, Beehive Transport Infrastructure Monitors and Oracle HTTP
servers components. The command "beectl status" displays the component ID and the
status of these manageable components.

SYNTAX

```
beectl start [ --component <component ID> | --all | --serially]
```

OPTIONS

--component

Identifier of component to start. To start more than one component at a time, specify this option multiple times.

--all

start all managed components.

--serially

It specified, starts all the components one by one.

EXAMPLES

```
beectl start --all

beectl start --component 5792bd5f-3b46-42de-a15d-8fe4b86fd46f
```

status

Displays the status of all managed components.

SYNTAX

```
beectl status [--dashboard | --detail] [--all_home_instances | --all_services |
(--component <State manageable component>) ...  --all_disabled_components |
[--disabled_beehive_instances] [--disabled_oc4js] [--disabled_service_instances]
[--disabled_services] ]
```

OPTIONS

--dashboard

A dashboard view of all the specified components is shown.

--detail

A detailed view of all the specified components is shown.

--all_home_instances

Status of all Beehive instances is shown.

--all_services

Status of all Services is shown.

--component

Status of the specified components is shown.

--all_disabled_components

Lists all the disabled components in the system is shown.

--disabled_beehive_instances

Lists all the disabled Oracle Beehive instances in the system is shown.

--disabled_oc4js
Lists all the disabled managed OC4Js in the system is shown.

--disabled_service_instances
Lists all the disabled service instances in the system is shown.

--disabled_services
Lists all the disabled services in the system is shown.

EXAMPLES
```
beectl status
```

stop

Manages OC4J Instances, Beehive Transport Infrastructure Monitors and Oracle HTTP servers components. The command "beectl status" displays the component ID and the status of these manageable components.

SYNTAX
```
beectl stop [ --component <component ID> | --all | --serially]
```

OPTIONS

--component
Identifier of component to stop. To stop more than one component at a time, specify this option multiple times.

--all
stop all managed components.

--serially
It specified, stops all the components one by one.

EXAMPLES
```
beectl stop --all

beectl stop --component 5792bd5f-3b46-42de-a15d-8fe4b86fd46f
```

upload_attendant_prompt

Upload a prompt to the database.

SYNTAX
```
beectl upload_attendant_prompt --name <name of attendant> --type <type of prompt>
[--language <language of prompt>] --file <prompt file>
```

OPTIONS

--name

Name of the attendant.

--type

Type of the prompt. Can be one of language, menu, greeting, option1, option2, option3, option4, option4, option5, option6, option7, option8, option9, noinput, noinput-term, nomatch, nomatch-term.

--language

Language of the prompt.

--file

Path to the prompt file.

EXAMPLES

```
beectl upload_attendant_prompt --name myAttendant --type menu
--language en_US --file menu.wav
```

upload_client_application

Uploads client application binaries to the repository. Either a binary file path or path to a directory containing binary files should be specified.

SYNTAX

```
beectl upload_client_application { --file <path to the client binary> | --dir
<full path to the directory containing the client binaries>}]
```

OPTIONS

--file

Specify the full path and file name of the client ZIP file.

--dir

Specify the full path of the directory containing the client ZIP files.

EXAMPLES

```
beectl upload_client_application --file
$BH/beehive/seed/dm/pushmail_debug.PPC5.0_ARM.element.zip

beectl upload_client_application --dir $BH/beehive/seed/dm/
```

upload_device_profiles

Uploads device profiles to the repository. An XML file or a directory containing XML files can be used as the source for the device profiles. The file can also contain device types and device profile schema.

SYNTAX

```
beectl upload_device_profiles { --file <Full file path of the device profiles XML
file> | --dir <Full path of the directory containing device profiles XML files>}
```

OPTIONS

--file

Specify the full path and file name of the device profiles XML file.

--dir

Specify the full path of the directory containing the device profiles XML files.

EXAMPLES

```
beectl upload_device_profiles --file /tmp/device-profiles.xml
```

```
beectl upload_device_profiles --dir /tmp/device-profiles/
```

upload_language_pack

Loads language pack resources into the system.

SYNTAX

```
beectl upload_language_pack --source <source> [--ignore_version] [--suppress_
warning] [--accept_builtin]
```

OPTIONS

--source

Source JAR file containing one or more XLIFF files or one or more help sets. Only a
JAR file is permitted as source value.

--ignore_version

Ignore version information in the XLIFF files; use with caution.

--suppress_warning

Suppress warnings about potential XLIFF problems; only report fatal errors.

--accept_builtin

Accept XLIFF files or help sets marked as built-in. This option must be used only when
necessary because uploading built-in XLIFF files or help sets is typically a
maintenance activity. In absence of this option the command will fail if a built-in
XLIFF file or help set is being uploaded - this behavior has been designed to guard
against accidentally uploading built-in XLIFF files or help sets.

EXAMPLES

```
beectl upload_language_pack --source abc.jar
```

```
Add/modify the XLIFF file(s) or help set(s) packaged in abc.jar
to existing language pack. Command will fail if any .xlf or help
set is of filetype builtin. abc.jar is expected to package help
```

set(s) in the directory structure helpsets/<library_
name>/custom/<locale>/<helpset.jar>. .xlf files (and associated
.class files) must be packaged in langpack/xliff/custom/x.xlf
and langpack/<java-package-tree>/x.class directories
respectively. Command will fail if any .xlf does not contain
version. The command will fail if the version of an .xlf file is
prior to the version of corresponding .xlf file in existing
language pack. Helpsets are not versioned hence all custom help
sets from abc.jar MUST overwrite custom help sets of same name
and same locale in same library in existing language pack.

beectl upload_language_pack --source abc.jar --accept_builtin

Add/modify the XLIFF file(s) or help set(s) packaged in abc.jar
to existing language pack. Command will process help sets or
XLIFF files of both filetypes - built-in and custom. abc.jar is
expected to package help set(s) in the directory structure
helpsets/<library_name>/<filetype>/<locale>/<helpset.jar>. .xlf
files (and associated .class files) must be packaged in
langpack/xliff/<filetype>/x.xlf and
langpack/<java-package-tree>/x.class directories respectively.
Command will fail if any .xlf does not contain version. The
command will fail if the version of an .xlf file is prior to the
version of corresponding .xlf file in existing language pack.

beectl upload_language_pack --source abc.jar --ignore_version

Add/modify the XLIFF file(s) or help set(s) packaged in abc.jar
to existing language pack. Command will fail if any .xlf or help
set is of filetype builtin. abc.jar is expected to package help
set(s) in the directory structure helpsets/<library_
name>/custom/<locale>/<helpset.jar>. .xlf files (and associated
.class files) must be packaged in langpack/xliff/custom/x.xlf
and langpack/<java-package-tree>/x.class directories
respectively. Version info in XLIFF files is completely ignored
i.e. all custom .xlf files from abc.jar WILL overwrite custom
files of same name in existing language pack.

beectl upload_language_pack --source abc.jar --accept_builtin
--ignore_version

Add/modify the XLIFF file(s) or help set(s) packaged in abc.jar
to existing language pack. Command will process help sets or
XLIFF files of both filetypes - built-in and custom. abc.jar is
expected to package help set(s) in the directory structure
helpsets/<library_name>/<filetype>/<locale>/<helpset.jar>. .xlf
files (and associated .class files) must be packaged in
langpack/xliff/<filetype>/x.xlf and
langpack/<java-package-tree>/x.class directories respectively.
Version info in XLIFF files is completely ignored i.e. all
custom .xlf files from abc.jar WILL overwrite custom files of
same name in existing language pack.

validate_audit_trail

Validates an existing audit trail

SYNTAX

```
beectl validate_audit_trail --trail <Audit trail identifier> [--count <Maximum
number of audit records to print>]
```

OPTIONS

--trail
Audit trail identifier

--count
Maximum number of audit records to print

EXAMPLES

```
beectl validate_audit_trail --trail autr=MyAuditTrail
```

validate_configuration

Validates the configuration for given component ID or for the whole system model tree.

SYNTAX

```
beectl validate_configuration [ --id <system object ID or alias of system object>]
```

OPTIONS

--id
component ID.

EXAMPLES

```
beectl validate_configuration
```

```
Validates the whole configuration system model.
```

```
beectl validate_configuration --id
a1d290a8-f8a7-46ea-ae3d-0696c0bde331
```

```
Validates the system model object identified by given ID or
alias.
```

validate_directory_entry

Validates the directory entry in LDAP with corresponding entry in Oracle Beehive. The directory entry can be of type user, group or external person. The command provides an option to correct any data inconsistencies by applying necessary changes in Oracle Beehive. The state of the profile specified in this command can either be ENABLE or DISABLE.

SYNTAX

```
beectl validate_directory_entry ([ --email <user_email>] | [ --identifier <user_
bodn> ] | [ --dn <user_dn> ] | --all_users | --all_groups | --all) --profile
<Profile_name> [--commit]  [--verbose] [--delete]
```

OPTIONS

--identifier
Identifier of the user, group or external-person in Oracle Beehive

--email
E-mail-ID of the user, group or external-person.

--dn
DN (distinguished name) of the user, group or external-person in LDAP directory

--commit
When Command is run with this option, it makes the changes in Oracle Beehive
database. The default is set to non-commit mode or no database changes.

--verbose
This option is used display the detailed information.

--profile
Name of the profile

--reference
To reconcile manager and assistant only.

--all_users
To reconcile all users.

--all_groups
To reconcile all groups.

--all
To reconcile all users and group.

--delete
To reconcile all deleted entries.

EXAMPLES

```
beectl validate_directory_entry --email user1@example.com
--profile exampleProfile --commit --verbose

beectl validate_directory_entry --dn
cn=user2,cn=users,dc=example,dc=com --profile exampleProfile
--commit --verbose

beectl validate_directory_entry --identifier
loginid=user3@example.com --profile exampleProfile --verbose
```

```
beectl validate_directory_entry --all --profile exampleProfile

beectl validate_directory_entry --all --profile exampleProfile
--delete

beectl validate_directory_entry --all_users --profile
exampleProfile

beectl validate_directory_entry --all_groups --profile
exampleProfile
```

validate_policy

Evaluates or executes a policy based on an event payload file.

SYNTAX
```
beectl validate_policy --event_name <Event name.> --event_payload_file <Path to
the event payload xml file.> --policy <The policy identifier.> { --evaluate
<Evaluate this policy.> | --execute <Execute this policy.> }
```

OPTIONS

--event_name
Event name.

--event_payload_file
Path to the event payload XML file.

--policy
The policy identifier.

--evaluate
Evaluate this policy.

--execute
Execute this policy.

EXAMPLES
```
beectl validate_policy --event_name MyEventTypeName --event_
payload_file MyEventPayloadFile.xml --policy MyPolicy --policy
```

validate_site_key

Validates the given site key.

SYNTAX
```
beectl validate_site_key --site_key <new site key>
```

OPTIONS

--site_key
Site key to be validated.

EXAMPLES
```
beectl validate_site_key --site_key
87hyhuh78e=122nddn356763yhd34bnh
```

validate_virus_scan_engine_connectivity

Tests the connectivity to the virus scan engine running at the specified host and port.

SYNTAX
```
beectl validate_virus_scan_engine_connectivity [ --hostname <scanengine_hostname>
] [ --port <scanengine_port> ]
```

OPTIONS

--hostname
Name of the host where the virus scan engine is installed. Default is localhost.

--port
Port number used by the virus scan engine for communication with its clients. Default is 1344.

EXAMPLES
```
beectl validate_virus_scan_engine_connectivity --hostname
scanenginehost.example.com --port 1344
```

version

This command shows the version information of the Beehive products.

List of valid Beehive products is shown below. Use them as a value for the "product" option.

accesschecks

accesscontrol

admin

alarm

artifacts

audit

authn

beectl

beehivemail

bio

btimon

caldav

cms

collabcoex

common-framework

content

core

csi_r1

csi_r1-impl

cspi

discussions

dms

event

event-definitions

framework

ftp

im

jcr

management

mds

mgmtsvc

mobileclient

mobiledm

nms

oma

omb

owc

owc-stdmedia

platform

policy

presence

push

pushmail

rds

search

smpp

tms

tzs

uds

uss

version

virusscanner

voice

voip

webdav

wiki

workflow

workspaces

workspaces-client

xbom

xmpp

xms

List of vaild field names is shown below. Use them as a value for "field" option.

name

build_version

internal_version

internal_version_name

public_version

public_version_name

product_description

product_suite_association_ids

beectl version command output is fully customizable. The multivalued "product" option can be used to get version information for a specified set of products. Similarly the multivalued "field" option can be used to get the information about the specified set of fields only.

When multivalued product and field options are used, beectl version command display order is same as the order specified for product and field options in command line.

SYNTAX

```
beectl version [--all | [[--product <Product Name>] ...]] [[--field <Field
Name>]...]
```

OPTIONS

--all
Shows version information for all products.

--product

Shows version information for the specified products. This option is multivalued.

--field

Shows the value of the specified fields. This option is multivalued.

EXAMPLES

```
beectl version --all
```

The above command will list the version information about all the products.

```
beectl version --product uds --field internal_version --field
internal_version_name --field product_suite_association_ids
```

The above command will list internal_version, internal_version_ name and product_suite information for the uds product.

3

Oracle Beehive Error Codes

This module contains Oracle Beehive error codes.

Access Control Error Codes

The following table lists error codes for Access Control.

Table 3–1   Access Control

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00500	A problem occurred executing an AccessControl CSI method.	FINE	See the associated exception for details.	The AccessControl CSI method failed.	Please contact Oracle Support for more information.
BEES-00501	PL/SQL returned an exception.	FINE	See the associated exception for details.	The PL/SQL failed to execute.	Please contact Oracle Support for more information.
BEES-00502	A problem occurred trying to access the database.	WARNING	See the associated exception for details.	A problem occurred trying to access the database.	Please contact Oracle Support for more information.
BEEU-00503	An illegal or invalid argument was specified.	WARNING	See the associated exception for details.	The affected CSI method failed to execute.	Correct the argument and try again. Please contact Oracle Support for more information if the problem persists.
BEEC-00504	An AccessControl service related exception occurred.	SEVERE	See the associated exception for details.	See the associated exception for details.	Please contact Oracle Support for more information
BEER-00505	A PL/SQL exception occurred.	WARNING	A PL/SQL exception occurred.	PL/SQL execution failed.	Please contact Oracle Support for more information.
BEEZ-00506	You do not have the required access.	FINE	You do not have the required access.	You do not have the required access.	Please contact Oracle Support for more information.
BEEU-00507	There already is an Entity with similar attributes at the same Scope.	FINE	There already is an Entity with similar attributes at the same Scope.	There already is an Entity with similar attributes at the same Scope.	Please contact Oracle Support for more information.
BEEU-00508	The specified Entity does not exist.	FINE	The specified Entity does not exist.	The specified Entity does not exist.	Please contact Oracle Support for more information.
BEEU-00509	The specified Entity does not exist or has not been registered with AccessControl.	WARNING	The specified Entity does not exist or has not been registered with AccessControl.	The specified Entity does not exist or has not been registered with AccessControl.	Please contact Oracle Support for more information.

Table 3–1   (Cont.)   Access Control

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00510	A PL/SQL integrity constraint violation occurred.	FINE	A PL/SQL integrity constraint violation occurred.	PL/SQL execution failed.	Please contact Oracle Support for more information.
BEEU-00511	A PL/SQL unique constraint violation occurred.	FINE	A PL/SQL unique constraint violation occurred.	PL/SQL unique failed.	Please contact Oracle Support for more information.
BEEU-00512	The specified Entity snapshot is outdated.	FINE	The specified Entity snapshot is outdated.	The specified Entity snapshot is outdated.	Please contact Oracle Support for more information.

Address Book Error Codes

The following table lists error codes for Address Book.

Table 3–2   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03101	An error occurred during address book creation	WARNING	Duplicate entity No such entity The specified parent does not exist or cannot be used The name was not specified or cannot be used The specified name is already in use Root address book already exists for the specified parent Quota/lock check failed The user does not have the required access rights Failed to set the change status of the entity Failed to register the container with workspace Failed to register the element with workspace Failed to register the entity with access control service Failed to set access on the entity Failed to load the entity Failed to raise event for the operation The specified value for one or more parameters is too large Failed to perform a workspace operation The entity is locked The quota limit for this scope has exceeded	The specified address book was not created	Specify a valid value Specify another value See the log file for more details
BEEU-03102	An error occurred during address book update	INFO	A newer version of the specified entity exists in the system The specified address book is invalid No such entity The specified name is already in use The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to raise event for the operation Failed to set the change status of the entity The specified value for one or more parameters is too large Failed to load the entity The entity is locked The quota limit for this scope has exceeded	The specified address book was not updated	Specify a valid value Specify another value Refresh the entity and retry the operation See the log file for more details

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03103	An error occurred during address book deletion	WARNING	No such entity The specified address book is invalid A newer version of the specified entity exists in the system The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to raise event for the operation This operation is not allowed on a default address book The entity is locked The quota limit for this scope has exceeded	The specified address book was not deleted	Specify a valid value Refresh the entity and retry the operation See the log file for more details
BEEU-03104	An error occurred during address book load	INFO	No such entity The user does not have the required access rights The specified address book is invalid	The specified address book was not loaded	Specify a valid value
BEEU-03105	An error occurred during address book move	INFO	A newer version of the specified entity exists in the system The specified address book is invalid No such entity The source address book does not exist The destination address book/workspace does not exist The specified name is already in use The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to raise event for the operation Failed to set access on the entity This operation is not allowed on a default address book The address book cannot be moved to one of its sub address books The entity is locked The quota limit for this scope has exceeded	The specified address book was not moved	Specify a valid value Specify another value Refresh the entity and retry the operation See the log file for more details

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03106	An error occurred during address book copy	INFO	A newer version of the specified entity exists in the system The specified address book is invalid No such entity The source address book does not exist The destination address book/workspace does not exist The specified name is already in use Duplicate entity The specified parent does not exist or cannot be used The user does not have the required access rights Root address book already exists for the specified parent Quota/lock check failed Failed to set the change status of the entity Failed to register the container with workspace Failed to register the element with workspace Failed to register the entity with access control service Failed to set access on the entity Failed to load the entity Failed to raise event for the operation Failed to apply labels to the specified entity Failed to perform a workspace operation The entity is locked The quota limit for this scope has exceeded	The specified address book was not copied	Specify a valid value Specify another value Refresh the entity and retry the operation See the log file for more details

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03107	An error occurred during address book undelete	WARNING	A newer version of the specified entity exists in the system The specified address book is invalid No such entity The specified name is already in use Duplicate entity The destination address book/workspace does not exist The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed Failed to set access on the entity Failed to raise event for the operation Failed to perform a workspace operation The entity is locked The quota limit for this scope has exceeded	The specified address book was not undeleted	Specify a valid value Specify another value Refresh the entity and retry the operation See the log file for more details
BEEU-03108	An error occurred during address book get	INFO	No such entity Failed to load the entity The user was not specified or cannot be used The specified workspace is invalid The specified parent does not exist or cannot be used	The address book for the specified entity could not be retrieved	Specify a valid value
BEEU-03109	An error occurred during get element modifications for the address book	WARNING	No such entity The specified address book is invalid The specified anchor is too old	The modified elements could not be fetched for the address book	Specify a valid value Specify another value
BEEU-03110	An error occurred during address book purge	WARNING	Failed to purge the contacts in the address book Failed to unregister the entity with access control service Failed to perform a workspace operation	The specified address book was not purged	See the log file for more details
BEEU-03111	An error occurred during address book archiving	WARNING	Failed to archive the contacts in the address book Failed to unregister the entity with access control service Failed to perform a workspace operation	The specified address book was not archived	See the log file for more details
BEEU-03112	An error occurred while listing address books	WARNING	The specified address book is invalid The specified list filter is invalid A projection was not specified or cannot be used	The address books could not be listed	Specify a valid value

Table 3–2 (Cont.) Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03113	An error occurred during address book element bulk load	WARNING	A projection was not specified or cannot be used The specified address book element is invalid	The specified address book elements were not loaded	Specify a valid value
BEEU-03116	An error occurred during person contact creation	WARNING	The user does not have the required access rights The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified parent does not exist or cannot be used The specified bookmark value is invalid The speeddial specified is not correct or unique Failed to register the entity with access control service Failed to set access on the entity Quota/lock check failed Failed to perform a workspace operation Failed to perform the required attachment operation. Check the logs for more details. The specified roster entry exists Failed to raise event for the operation The entity is locked The quota limit for this scope has exceeded	The specified person contact was not created	Specify a valid value Specify another value Maximum count for the addresses exceeded, check the maximum addresses allowed See the log file for more details Quota exceeded, check the allowed quota
BEEU-03117	An error occurred during person contact load	WARNING	No such entity The user does not have the required access rights The specified person contact is invalid	The specified person contact was not loaded	Specify a valid value

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03118	An error occurred during person contact update	WARNING	No such entity The specified person contact is invalid A newer version of the specified entity exists in the system Failed to perform a workspace operation The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The speeddial specified is not correct or unique The quota for the contacts has exceeded Failed to perform the required attachment operation. Check the logs for more details. Failed to raise event for the operation The specified roster entry exists This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified person contact was not updated	Specify a valid value Specify another value Refresh the entity and retry the operation Maximum count for the addresses exceeded, check the maximum addresses allowed See the log file for more details Quota exceeded, check the allowed quota

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03119	An error occurred during person contact delete	WARNING	No such entity The specified person contact is invalid A newer version of the specified entity exists in the system The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to delete reminders of a contact Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified person contact was not deleted	Specify a valid value Refresh the entity and retry the operation Specify another value
BEEU-03120	An error occurred during person contact undelete	WARNING	No such entity The specified person contact is invalid The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation The destination address book does not exist The speeddial specified is not correct or unique Failed to set access on the entity The quota for the contacts has exceeded The specified roster entry exists Failed to raise event for the operation The entity is locked The quota limit for this scope has exceeded	The specified person contact was not undeleted	Specify a valid value Specify another value See the log file for more details Quota exceeded, check the allowed quota

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03121	An error occurred during person contact move	WARNING	No such entity The user does not have the required access rights Quota/lock check failed Failed to set access on the entity The specified person contact is invalid The specified parent does not exist or cannot be used The destination address book does not exist The quota for the contacts has exceeded Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified person contact was not moved	Specify a valid value Specify another value Quota exceeded, check the allowed quota
BEEU-03122	An error occurred during person contact copy	WARNING	No such entity The user does not have the required access rights The specified person contact is invalid The specified parent does not exist or cannot be used The destination address book does not exist The quota for the contacts has exceeded Failed to raise event for the operation Failed to apply labels to the specified entity Failed to copy attachments to the specified contact Failed to perform a workspace operation Failed to set access on the entity	The specified person contact was not copied	Specify a valid value Specify another value Quota exceeded, check the allowed quota
BEEU-03123	An error occurred during person contact purge	WARNING	Failed to unregister the entity with access control service	The specified person contact was not purged	See the log file for more details
BEEU-03124	An error occurred during person contact archiving	WARNING	Failed to unregister the entity with access control service	The specified person contact was not archived	See the log file for more details
BEEU-03125	An error occurred while listing person contacts	WARNING	The specified address book is invalid The specified list filter is invalid A projection was not specified or cannot be used	The person contacts could not be listed	Specify a valid value
BEEU-03126	An error occurred while listing duplicate person contacts	WARNING	The specified address book is invalid No attributes specified for duplicate check	The person contacts could not be listed	Specify a valid value

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03131	An error occurred during group contact creation	WARNING	The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The user does not have the required access rights Failed to register the entity with access control service Failed to set access on the entity Quota/lock check failed The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified parent does not exist or cannot be used The specified bookmark value is invalid The speeddial specified is not correct or unique The quota for the contacts has exceeded Adding or removing members to bookmarked group contacts is not allowed Failed to perform the required attachment operation. Check the logs for more details. The specified roster entry exists A bookmarked group contact cannot be a buddy list entry A buddy list group contact must have a group name Failed to raise event for the operation The specified given name is used by auto created Manager and Peers/Direct Reports group contact The entity is locked The quota limit for this scope has exceeded	The specified group contact was not created	Specify a valid value Specify another value Maximum count for the addresses exceeded, check the maximum addresses allowed See the log file for more details Quota exceeded, check the allowed quota

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03132	An error occurred during group contact load	WARNING	No such entity The user does not have the required access rights The specified group contact is invalid	The specified group contact was not loaded	Specify a valid value

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03133	An error occurred during group contact update	WARNING	No such entity The specified group contact is invalid A newer version of the specified entity exists in the system Failed to perform a workspace operation The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The speeddial specified is not correct or unique The quota for the contacts has exceeded Adding or removing members to bookmarked group contacts is not allowed Failed to perform the required attachment operation. Check the logs for more details. Failed to raise event for the operation The specified roster entry exists A bookmarked group contact cannot be a buddy list entry A buddy list group contact must have a group name This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified group contact was not updated	Specify a valid value Refresh the entity and retry the operation Specify another value Maximum count for the addresses exceeded, check the maximum addresses allowed See the log file for more details Quota exceeded, check the allowed quota

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03134	An error occurred during group contact delete	WARNING	No such entity The specified group contact is invalid A newer version of the specified entity exists in the system The user does not have the required access rights Quota/lock check failed Failed to delete reminders of a contact Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified group contact was not deleted	Specify a valid value Refresh the entity and retry the operation Specify another value
BEEU-03135	An error occurred during group contact undelete	WARNING	No such entity The specified group contact is invalid The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to set access on the entity The destination address book does not exist The speeddial specified is not correct or unique The quota for the contacts has exceeded The specified roster entry exists Failed to raise event for the operation The entity is locked The quota limit for this scope has exceeded	The specified group contact was not undeleted	Specify a valid value See the log file for more details Specify another value Quota exceeded, check the allowed quota

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03136	An error occurred during group contact move	WARNING	No such entity The user does not have the required access rights Quota/lock check failed Failed to set access on the entity The specified group contact is invalid The specified parent does not exist or cannot be used The destination address book does not exist The quota for the contacts has exceeded Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified group contact was not moved	Specify a valid value Specify another value Quota exceeded, check the allowed quota
BEEU-03137	An error occurred during group contact copy	WARNING	No such entity The user does not have the required access rights The specified group contact is invalid The specified parent does not exist or cannot be used The destination address book does not exist The quota for the contacts has exceeded Failed to raise event for the operation Failed to apply labels to the specified entity Failed to copy attachments to the specified contact Failed to perform a workspace operation Failed to set access on the entity	The specified group contact was not copied	Specify a valid value Specify another value Quota exceeded, check the allowed quota
BEEU-03138	An error occurred during group contact purge	WARNING	Failed to unregister the entity with access control service	The specified group contact was not purged	See the log file for more details
BEEU-03139	An error occurred during group contact archiving	WARNING	Failed to unregister the entity with access control service	The specified group contact was not archived	See the log file for more details
BEEU-03140	An error occurred while listing group contacts	WARNING	The specified address book is invalid The specified list filter is invalid A projection was not specified or cannot be used	The group contacts could not be listed	Specify a valid value
BEEU-03141	An error occurred while listing duplicate group contacts	WARNING	The specified address book is invalid No attributes specified for duplicate check	The group contacts could not be listed	Specify a valid value

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03146	An error occurred during resource contact creation	WARNING	The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The user does not have the required access rights Failed to register the entity with access control service Failed to set access on the entity Quota/lock check failed The specified parent does not exist or cannot be used The specified bookmark value is invalid The speeddial specified is not correct or unique The quota for the contacts has exceeded Failed to perform the required attachment operation. Check the logs for more details. Failed to raise event for the operation The entity is locked The quota limit for this scope has exceeded	The specified resource contact was not created	Specify a valid value Specify another value Maximum count for the addresses exceeded, check the maximum addresses allowed See the log file for more details Quota exceeded, check the allowed quota
BEEU-03147	An error occurred during resource contact load	WARNING	No such entity The user does not have the required access rights The specified resource contact is invalid	The specified resource contact was not loaded	Specify a valid value

Table 3–2 (Cont.) Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03148	An error occurred during resource contact update	WARNING	No such entity The specified resource contact is invalid A newer version of the specified entity exists in the system Failed to perform a workspace operation The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The speeddial specified is not correct or unique The quota for the contacts has exceeded Failed to perform the required attachment operation. Check the logs for more details. Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified resource contact was not updated	Specify a valid value Refresh the entity and retry the operation Specify another value Maximum count for the addresses exceeded, check the maximum addresses allowed See the log file for more details Quota exceeded, check the allowed quota

Table 3–2 (Cont.) Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03149	An error occurred during resource contact delete	WARNING	No such entity The specified resource contact is invalid A newer version of the specified entity exists in the system The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to delete reminders of a contact Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified resource contact was not deleted	Specify a valid value Refresh the entity and retry the operation Specify another value
BEEU-03150	An error occurred during resource contact undelete	WARNING	No such entity The specified resource contact is invalid The specified parent does not exist or cannot be used The user does not have the required access rights Quota/lock check failed Failed to perform a workspace operation Failed to set access on the entity The destination address book does not exist The speeddial specified is not correct or unique The quota for the contacts has exceeded Failed to raise event for the operation The entity is locked The quota limit for this scope has exceeded	The specified resource contact was not undeleted	Specify a valid value See the log file for more details Specify another value Quota exceeded, check the allowed quota

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03151	An error occurred during resource contact move	WARNING	No such entity Quota/lock check failed The user does not have the required access rights Failed to set access on the entity The specified resource contact is invalid The specified parent does not exist or cannot be used The destination address book does not exist The quota for the contacts has exceeded Failed to raise event for the operation This operation is not allowed on automatically created contacts The entity is locked The quota limit for this scope has exceeded	The specified resource contact was not moved	Specify a valid value Specify another value Quota exceeded, check the allowed quota
BEEU-03152	An error occurred during resource contact copy	WARNING	No such entity The user does not have the required access rights The specified resource contact is invalid The specified parent does not exist or cannot be used The destination address book does not exist The quota for the contacts has exceeded Failed to raise event for the operation Failed to apply labels to the specified entity Failed to copy attachments to the specified contact Failed to perform a workspace operation Failed to set access on the entity	The specified resource contact was not copied	Specify a valid value Specify another value Quota exceeded, check the allowed quota
BEEU-03153	An error occurred during resource contact purge	WARNING	Failed to unregister the entity with access control service	The specified resource contact was not purged	See the log file for more details
BEEU-03154	An error occurred during resource contact archiving	WARNING	Failed to unregister the entity with access control service	The specified resource contact was not archived	See the log file for more details

Table 3–2   (Cont.)   Address Book

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03155	An error occurred while listing resource contacts	WARNING	The specified address book is invalid The specified list filter is invalid A projection was not specified or cannot be used	The resource contacts could not be listed	Specify a valid value
BEEU-03156	An error occurred while listing duplicate resource contacts	WARNING	The specified address book is invalid No attributes specified for duplicate check	The resource contacts could not be listed	Specify a valid value
BEEU-03161	An error occurred during cancel operation	WARNING	Failed to perform the required attachment operation. Check the logs for more details.	The operation was not canceled	Try again later. If the problem persists, contact your system administrator

Audit Error Codes

The following table lists error codes for Audit.

Table 3–3   Audit

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03201	NULL value passed in as method parameter	WARNING	One or more parameters are invalid or null		
BEEU-03202	Audit artifact matching given name or container already exists	WARNING	Check the name, container's identifier etc. before invoking the method		
BEEU-03203	Audit artifact with the given identifier not found	WARNING	Invalid identifier specified or search criteria may not be valid		
BEEU-03204	Invalid parameter value supplied to service method	WARNING	Supplied parameter value or length of the value is invalid		Provide correct value for the service method parameter
BEEU-03205	User's logon record or session identifier not found	WARNING	User session may have expired		
BEEU-03206	Audit template not found	INFO	Identifier is either invalid or an audit artifact for the given identifier does not exist		
BEEU-03207	Audit policy not found	INFO	Identifier is either invalid or an audit artifact for the given identifier does not exist		
BEEU-03208	Audit trail not found	INFO	Identifier is either invalid or an audit artifact for the given identifier does not exist		
BEEU-03209	Audit record not found	INFO	No audit records matching the search criteria		

Table 3–3   (Cont.)   Audit

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03210	Failed to delete audit template	WARNING	An audit policy based on the given template exists		Delete the audit policy before deleting the audit template
BEEU-03211	Failed to create audit policy	WARNING	Duplicate identifier or policy name		
BEEU-03212	Failed to create audit trail	WARNING	Duplicate identifier or trail name		

Authentication Service Error Codes

The following table lists error codes for Authentication Service.

Table 3–4   Authentication Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00800	AUTH: Method not supported.	WARNING	AUTH: Method not supported.		
BEEU-00801	AUTH: User Already Exists.	WARNING	AUTH: User Already Exists.		
BEEU-00802	AUTH: User does not exist.	WARNING	AUTH: User does not exist.		
BEEU-00803	AUTH: Non-conformant username.	WARNING	AUTH: Non-conformant username.		
BEEU-00804	AUTH: Non-conformant password.	WARNING	AUTH: Non-conformant password. {0}		
BEEU-00805	AUTH: Non-conformant pin.	WARNING	AUTH: Non-conformant pin.		
BEEU-00806	AUTH: Non-conformant device.	WARNING	AUTH: Non-conformant device.		
BEEU-00807	AUTH: Invalid username/password.	WARNING	AUTH: Invalid username/password.		
BEEU-00808	AUTH: Device already registered.	WARNING	AUTH: Device already registered.		
BEEU-00809	AUTH: Device not registered.	WARNING	AUTH: Device not registered.		
BEEU-00810	AUTH: Invalid username/pin.	WARNING	AUTH: Invalid username/pin.		
BEEU-00811	AUTH: Password modification failure.	WARNING	AUTH: Password modification failure.		
BEEU-00812	AUTH: Illegal argument.	WARNING	AUTH: Illegal argument.		
BEEU-00820	AUTH: Invalid AuthenticationToken.	WARNING	AUTH: Invalid AuthenticationToken.		
BEEU-00821	AUTH: UserContext Creation Failed.	WARNING	AUTH: UserContext Creation Failed.		
BEEU-00822	AUTH: Invalid UserContext.	FINE	AUTH: Invalid UserContext.		
BEEU-00823	AUTH: Invalid Credentials.	WARNING	AUTH: Invalid Credentials.		

Table 3–4   (Cont.)   Authentication Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00824	AUTH: Authentication Failed.	WARNING	AUTH: Authentication Failed.		
BEEU-00825	AUTH: UDS Resolve Failed.	WARNING	AUTH: UDS Resolve Failed.		
BEEU-00826	AUTH: Authorization Error.	WARNING	AUTH: Authorization Error.		
BEEU-00850	AUTH: Authentication store exception.	WARNING	AUTH: Authentication store exception.		

Bom Object Distinguished Naming Error Codes

The following table lists error codes for Bom Object Distinguished Naming.

Table 3–5   Bom Object Distinguished Naming

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03700	Bodn parsing failed.	SEVERE	Reason: {0}. Invalid bodn format provided. Invalid type "{0}" is provided. Invalid BOM type is used. Invalid BOM type is used. Reason: {0}.	Could not parse value "{0}".	Please use correct format of identifier. Please use correct bodn format (type=name). For example, orgn=yyy,enpr=xxx Please provide correct value. Please provide correct value using bom type as "{0}".
BEEU-03701	Could not find the given entity.	SEVERE	Could not resolve the given bodn into unique entity. No entity found for the given bodn. Given scope is not supported for "{0}" type. No identifiable name is found for given identifier "{0}".	Bodn parsing failed for value "{0}".	Please use collab id format for the value. Please use correct value. Please use correct scope or parent while specifying the bodn. Only collab id format can be used to refer this entity.
BEES-03702	Internal error occurred.	SEVERE	Given entity type "{0}" is not yet supported. Naming on given Id type "{0}" is not yet supported.	Entity could not be found for "{0}".	Please use system generated identifier as the value. Naming on given Id type "{0}" is not yet supported.

Client Management Service Error Codes

The following table lists error codes for Client Management Service.

Table 3–6   Client Management Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEZ-03901	Session identity mismatch.	SEVERE	New channel identity doesn't match session identity.	Session is terminated for security reasons.	Please contact your administrator.
BEEU-03902	Some of the data or parameter you supplied was invalid or out of range.	WARNING	One of the entity handles/CollabIds was of incorrect BOM type Number of specified EIDs doesn't match the number of entities Specified control class {0} was not found. No exact method match found. Projection {0} is undefined for snapshot {1}. Request was not recognized because it doesn't conform to specification. Request doesn't have a body. Request is empty. Request can't be parsed because it either malformed or refers to unregistered XBOM class.	Your request wasn't executed.	Correct and resubmit your request.
BEEU-03903	Batch request execution interrupted.	INFO	One of the services thrown an exception while processing one of the batch items.	Some of the items in the batch were not processed.	Correct the problem and resubmit your request.

Device Management Error Codes

The following table lists error codes for Device Management.

Table 3–7 Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-00600	Device Management Service Operation aborted	WARNING	Null data received when not null value is expected	Device Management Service Operation aborted	Make sure all the null value constraints are followed as mentioned in the documentation and try again
BEEU-00601	Create Client Application failed	INFO	Client Application cannot be created in the repository due to internal error Client Application with same details exists in the repository Client Application with same Eid already exists in the repository	Client Application will not be created	Please contact Oracle Support for more information Create Client Application with a different name or vendor or language or OS or processor or language Create Client Application with a different name or vendor or language or OS or processor or language
BEEU-00602	Update Client Application failed	INFO	ClientApplication cannot be updated due to internal error Client Application is not found in the repository	Client Application will not be updated	Please contact Oracle Support for more information Try the operation with a valid Eid
BEEU-00603	Delete Client Application failed	INFO	Delete Client Application failed due to internal error Client Application is not found in the repository Installable Client Application exists in this Application hierarchy	Client Application will not be deleted	Please contact Oracle Support for more information Try the operation with a valid Eid Please delete the Installable Client Application in this Application hierarchy
BEEU-00604	Load Client Application failed	INFO	Load Client Application failed due to internal error Client Application is not found in the repository	Client Application will not be loaded	Make sure that the application is uploaded. If it is uploaded contact the System Administrator to resolve the issue. Try the operation with a valid Eid
BEES-00605	Resolve Client Application Failed	INFO	Client Application is not found in the repository	Client Application will not be loaded	Please retry with different values

Table 3–7   (Cont.)   Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00611	Client Application Version cannot be created	INFO	Client Application Version cannot be created in the repository due to internal error Client Application Version with same version number for this Client Application exists in the repository Client Application Version with same Eid already exists in the repository Client Application with Eid passed is not found in the repository	Client Application Version will not be created	Please contact Oracle Support for more information Create Client Application Version with a different Eid Create Client Application Version with a different version number Provide a valid Client Application reference Please delete the Installable Client Application in this Application hierarchy
BEEU-00612	Delete Client Application Version failed	INFO	Delete Client Application Version failed due to internal error Client Application Version is not found in the repository Installable Client Application exists in this Application hierarchy You cannot delete the only Client Application Version in the containing Client Application	Client Application Version will not be deleted	Please contact Oracle Support for more information Provide a valid Client Application Version Eid Please delete the Installable Client Application in this Application hierarchy Delete the containing Client Application to which this Client Application Version belongs
BEEU-00613	Load Client Application Version failed	INFO	Load Client Application Version failed due to internal error Client Application Version is not found in the repository	Client Application Patch set will not be loaded	Make sure that the Client Application Version is uploaded. If it is uploaded contact the System Administrator to resolve the issue. Provide a valid Client Application Version Eid
BEEU-00621	Client Application Patch set cannot be created	INFO	Client Application Patch set cannot be created in the repository due to internal error Client Application Patch set with same patch set number for this Client Application Version exists in the repository Client Application Patch set with same Eid already exists in the repository Client Application Version with Eid passed is not found in the repository	Client Application Patch set will not be created	Please contact Oracle Support for more information Create Client Application Patch set with a different Eid Create Client Application Patch set with a different patch set number Provide a valid Client Application Version reference

Table 3–7   (Cont.)   Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00622	Delete Client Application Patch set failed	INFO	Delete Client Application Patch set failed due to internal error Client Application Patch set is not found in the repository Installable Client Application exists in this Application hierarchy You cannot delete the only Client Application Patch set in the containing Client Application Version	Client Application Patch set will not be deleted	Please contact Oracle Support for more information Provide a valid Client Application Patch set Eid Please delete the Installable Client Application in this Application hierarchy Delete the containing Client Application Version to which this Client Application Patch set belongs
BEEU-00623	Load Client Application Patch set failed	INFO	Load Client Application Patch set failed due to internal error Client Application Patch set is not found in the repository	Client Application Patch set will not be loaded	Make sure that the Client Application Patch set is uploaded. If it is uploaded contact the System Administrator to resolve the issue. Provide a valid Client Application Patch set Eid
BEEU-00631	Client Application Module cannot be created	INFO	Client Application Module cannot be created in the repository due to internal error Client Application Module with same name and destination folder for this Client Application Patch set exists in the repository Client Application Module with same Eid already exists in the repository Client Application Patch set with Eid passed is not found in the repository New Client Application Modules cannot be introduced between patch sets	Client Application Module will not be created	Please contact Oracle Support for more information Create Client Application Module with a different Eid Create Client Application Patch set with a different patch set number Provide a valid Client Application Patch set reference Introduce a new Version or remove the new module
BEEU-00632	Delete Client Application Module failed	INFO	Delete Client Application Module failed due to internal error Client Application Module is not found in the repository	Client Application Module will not be deleted	Please contact Oracle Support for more information Provide a valid Client Application Module Eid

Table 3–7   (Cont.)   Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00633	Load Client Application Module failed	INFO	Load Client Application Module failed due to internal error Client Application Module is not found in the repository	Client Application Module will not be loaded	Make sure that the Client Application Module is uploaded. If it is uploaded contact the System Administrator to resolve the issue. Provide a valid Client Application Module Eid
BEEU-00641	Create Device failed	INFO	Create Device failed due to internal error Device with same device id already exists in the repository Device with same device Eid already exists in the repository	Device will not be created in the repository	Please contact Oracle Support for more information Assign a different device id and try again Assign a different Eid and try again.
BEEU-00642	Update Device failed	INFO	Update device failed due to internal errors State of the device is outdated Device does not exist in the repository	Device will not be updated with the new values	Contact the system administrator Retry the operation with always update/delete option or reload the state of the device. Verify the Device identifier and try again
BEEU-00643	Delete device failed	INFO	Delete device failed due to internal errors State of the device is outdated Device does not exist in the repository Device Command exists for this device.	Device will not be deleted	Contact the system admin Retry the operation with always update/delete option or reload the state of the device. Verify the Device identifier and try again Delete all Device Commands for this device and try deleting this device.
BEEU-00644	Load device failed	INFO	Load device failed due to internal errors Device does not exist in the repository	Device will not be loaded	Check the device details and try again. If the problem still persist contact the system administrator Verify the Device identifier and try again

Table 3–7   (Cont.)   Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00651	Create Device Type failed	INFO	Create Device Type failed due to internal error Device Type with same name already exists in the repository Device Type with same OS, processor and device class already exists in the repository Device Type with same manufacturer, model, software version and devinfdtd version already exists in the repository Device Type with same Eid already exists in the repository Device Profile passed in with the Device Type is invalid	Device Type will not be created in the repository	Please contact Oracle Support for more information Assign a different name for the Device Type and try again Enter a different value for either or all of OS, processor, device class and try again. Enter a different value for either or all of manufacturer, model, software version, devinfdtd version and try again. Assign a different Eid and try again. Try again with a valid Device Profile
BEEU-00652	Update Device Type failed	INFO	Update Device Type failed due to internal errors State of the Device Type is outdated Device Type Eid passed is not found in the repository Device Type with same OS, processor and device class already exists in the repository Device Type with same manufacturer, model, software version and devinfdtd version already exists in the repository	Device Type will not be updated with the new values	Contact the system administrator Either try with always update/delete option or reload the state of the Device Type and try updating Check the Eid of the Device Type and try again Enter a different value for either or all of OS, processor, device class and try again. Enter a different value for either or all of manufacturer, model, software version, devinfdtd version and try again.
BEEU-00653	Delete Device Type failed	INFO	Delete Device Type failed due to internal errors State of the Device Type is outdated Device Type Eid passed is not found in the repository	Device Type will not be deleted	Contact the system admin Either try with always update/delete option or reload the state of the Device Type and try updating Check the Eid of the Device Type and try again
BEEU-00654	Load Device Type failed	INFO	Load Device Type failed due to internal errors Device Type Eid passed is not found in the repository	Device Type will not be loaded	Check the Device Type details and try again. If the problem still persist contact the system administrator Check the Eid of the Device Type and try again

Table 3–7 (Cont.) Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00661	Create Device Profile failed	INFO	Create Device Profile failed due to internal error Device Profile with same name already exists in the repository Device Profile with same Eid already exists in the repository	Device Profile will not be created in the repository	Please contact Oracle Support for more information Assign a different name for the Device Profile and try again Assign a different Eid and try again.
BEEU-00662	Update Device Profile failed	INFO	Update Device Profile failed due to internal errors State of the Device Profile is outdated Device Profile Eid passed is not found in the repository Preference Profile passed in with the Device Profile is invalid	Device Profile will not be updated with the new values	Contact the system administrator Either try with always update/delete option or reload the state of the Device Profile and try updating Check the Eid of the Device Profile and try again Try again with a valid Preference Profile
BEEU-00663	Delete Device Profile failed	INFO	Delete Device Profile failed due to internal errors State of the Device Profile is outdated Device Profile Eid passed is not found in the repository Device Type referring to this device profile exists	Device Type will not be deleted	Contact the system admin Either try with always update/delete option or reload the state of the Device Profile and try updating Check the Eid of the Device Profile and try again Delete the Device Type referring to this Device Profile and try deleting this Device Profile
BEEU-00664	Load Device Profile failed	INFO	Load Device Profile failed due to internal errors Device Profile Eid passed is not found in the repository	Device Profile will not be loaded	Check the Device Profile details and try again. If the problem still persist contact the system administrator Check the Eid of the Device Profile and try again
BEEU-00671	Create Installable Client Application failed	INFO	Installable Client Application cannot be created in the repository due to internal error Installable Client Application with same Eid already exists in the repository Client Application to which this Installable Client Application belongs to is invalid	Installable Client Application will not be created	Please contact Oracle Support for more information Create Installable Client Application with a different Eid Create Installable Client Application with a valid Client Application

Table 3–7   (Cont.)   Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00672	Update Installable Client Application failed	INFO	Update Installable Client Application failed due to internal errors State of the Installable Client Application is outdated Installable Client Application Eid passed is not found in the repository	Installable Client Application will not be updated with the new values	Contact the system administrator Either try with always update/delete option or reload the state of the Installable Client Application and try updating Check the Eid of the Installable Client Application and try again
BEEU-00673	Delete Installable Client Application failed	INFO	Delete Installable Client Application failed due to internal errors State of the Installable Client Application is outdated Installable Client Application Eid passed is not found in the repository	Installable Client Application will not be loaded	Check the Installable Client Application details and try again. If the problem still persist contact the system administrator Either try with always update/delete option or reload the state of the Installable Client Application and try updating Check the Eid of the Installable Client Application and try again
BEEU-00674	Load Installable Client Application failed	INFO	Load Installable Client Application failed due to internal errors Installable Client Application Eid passed is not found in the repository	Installable Client Application will not be loaded	Check the Installable Client Application details and try again. If the problem still persist contact the system administrator Check the Eid of the Installable Client Application and try again

Table 3–7   (Cont.)   Device Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00681	Create Device Command Failed	INFO	Create Device Command Failed due to internal errors Device does not exist in the repository Device Command with the same Eid already exists in the repository The action of the device command you are creating is the same as the most recent device command that is to be executed. Cannot create any device command if the most recent device command is a WIPEOUT command.	Device Command will not be created!	Please contact system administrator Verify the Device identifier and try again Create Device Command with different Eid Please retry the operation with a different device command action. Either the WIPEOUT command needs to be deleted or needs to be executed by the device.
BEEZ-00691	The user is not authorized to perform this operation.	SEVERE	The current user doesn't have enough privileges and/or access types.	This operation cannot be performed.	Please retry this operation with a user who has more privileges and/or access types.
BEES-00692	Internal service error.	SEVERE	Could not process action due to unexpected server error.	Operation cannot be completed.	Please contact Oracle support.

Diagnosability Error Codes

The following table lists error codes for Diagnosability.

Table 3–8   Diagnosability

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-03601	Get log record error.	WARNING	Log viewer client unable to connect to the server.	Unable to get the log record from the server.	Contact Oracle Support for more information.
BEEU-03602	Query log record error.	WARNING	Log Query Exception caught. Exception message: {0}, host: {1}, oracle-home: {2}. IOException caught. Exception message: {0}. host: {1} oracle home: {2} request port: {3} Malformed URL Exception caught. Exception message: {0}. host: {1} oracle home: {2} request port: {3}	Unable to query the log record.	Contact Oracle Support for more information.
BEEZ-03610	DIAGNOSE privilege unavailable.	INFO	The current user does not have the DIAGNOSE privilege User not authenticated.	Unable to access resource requiring DIAGNOSE privilege	Logout and log back in as a user with DIAGNOSE privilege. Please retry later. If you still receive this same error, contact Oracle Support for more information.
BEES-03611	DIAGNOSE privilege unavailable.	WARNING	Exception while attempting to check DIAGNOSE privilege for user {1}: {0}.	Unable to access resource requiring DIAGNOSE privilege	Please retry later. If you still receive this same error, contact Oracle Support for more information.

Discussions Error Codes

The following table lists error codes for Discussions.

Table 3–9   Discussions

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06500	Invalid parameter.	WARNING	Parent discussion form is invalid. Topic cannot be clipped at the discussions message specified. Topic cannot merge with itself. Specified updater is of the wrong type.	The operation will not be performed.	Choose a valid parent discussion forum. Specify a message to clip that is not the first message in the topic and re-try the operation. Choose a source that is different than the target for the merge and re-try the operation. Specified updater is of the wrong type.
BEEU-06501	Unsupported operation for Discuss This Forums.	WARNING	The specified operation is not supported by Discuss This Forums.	The operation cannot be performed.	The specified operation cannot be performed on a Discuss This Forum.
BEEU-06502	Invalid message body content type.	WARNING	The specified message body content type is not supported for a Discussions Message.	The operation cannot be performed.	Discussions Messages only support message bodies of type simple or multipart-related.

Email Service Error Codes

The following table lists error codes for Email Service.

Table 3–10   Email Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-01201	Database error occurred.	SEVERE	Database error occurred.	Database error occurred.	Please contact Oracle Support for more information.
BEEU-01201	Mail VMS not present	INFO	No valid Virtual Mail Servers matched for client address.	Client connection will be rejected.	Contact an administrator if you still have this problem.
BEEU-01202	Invalid mail transaction state	WARNING	Transaction not closed Transaction not open	Mail reception will fail	Please contact an administrator
BEEU-01203	Mail address parsing error	INFO	Session ID: ({0}) Error Parsing {1} command "{2}"	Mail command will be rejected	Please check syntax of mail address
BEEU-01204	Unable to submit mail	INFO	Unable to submit mail due to write failure to file	Mail will not be accepted	Please contact an administrator
BEEU-01205	Failed to commit transaction	INFO	May be due to denied access	Mail will not be accepted	Please contact an administrator
BEEU-01206	Authentication error	WARNING	Processing error during authentication	Mail command will fail	Please contact an administrator
BEEU-01207	Failure to write body	FINE	[SessionID: {0}] Unexpected IOException from server during body write, likely a timeout	Mail could not be sent	Please contact an administrator

Table 3–10 (Cont.) Email Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-01208	Connection to SMTP server refused	WARNING	Delivery SessionID: {0} connection to SMTP server {1} refused	Since this is the last server in our list {0}, ticket cannot be delivered at this time	Please contact an administrator
BEEU-01209	Failed to resolve MX address	SEVERE	Delivery SessionID: {0} unable to convert MX Address {1} into InetAddress. There may be a problem with the local BIND server.	Since this is the last server in our list {0}, ticket cannot be delivered at this time	Please contact an administrator
BEEU-01210	EOF from server	FINE	[SessionID: {0}] Unexpected EOF from server	Mail could not be sent	Please contact an administrator
BEEU-01211	Connection to mail server refused	FINE	Unable to connect to mail server {0}	Server may fail to send mail	Please contact an administrator
BEEU-01212	Failed to resolve mail server	FINE	Unable to resolve mail server {0}	May fail to deliver mail	Please contact an administrator
BEEU-01213	Mail server timed out	FINE	[SessionID: {0}] Mail server timed out	Could not open connection. Could not send mail	Please contact an administrator
BEEU-01214	Failed to create VMS evaluator	WARNING	Exception Caught during creating VMS evaluator rule engine	This will cause the server to reject all the incoming connections	Please contact an administrator
BEEU-01215	Failed to evaluate recipient	SEVERE	Exception encountered when evaluating recipient address {0} for Virtual Mail Server {1}	Mail command will be rejected	Please contact an administrator
BEEU-01216	Failed to evaluate sender	SEVERE	Exception encountered when evaluating sender address {0} for Virtual Mail Server {1}	Mail command will be rejected	Please contact an administrator
BEEU-01217	Failed to set rule engine for recipient	INFO	Exception Caught during setting rule engine for recipient	Blank recipient rule engine will cause the server to reject all recipients	Please contact an administrator
BEEU-01218	Failed to set rule engine for sender	INFO	Exception Caught during setting rule engine for sender	Blank sender rule engine will cause the server to reject all senders	Please contact an administrator
BEEU-01219	STARTTLS not supported on the remote mail server	WARNING	STARTTLS not supported on the remote mail server {0}	Could not send mail using TLS	Please make sure remote mail server supports STARTTLS
BEEU-01220	STARTTLS command to the remote mail server fails	WARNING	STARTTLS command fails with error {0}	Could not send mail using TLS	Please check the error
BEEU-01231	Failed to fetch messages that need to be retried or recovered	FINE	This happens due to a database error	Retry or Recovery of messages will be delayed	Please investigate the database error
BEEU-01232	Unable to assemble rule engine	SEVERE	This happens due to error in loading rule engine	Blank RulesEngine will cause all mail to be parked until the rules are fixed	Please check data in the config

Table 3–10   (Cont.) Email Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-01233	Unable to process retry or recovered message	INFO	Failed to process retry or recovered message {0}. This happens due to a database error	Retry or recovered message will not be delivered	Please investigate the database error
BEEU-01234	Unable to send draft message	WARNING	Unable to send draft message {0}. This happens due to a database error	The draft message could not be sent	Please investigate the database error
BEEU-01235	Failed to update message state in the database	INFO	This happens due to a database error	Message processing will be incomplete	Please investigate the database error
BEEU-01236	Failed to resolve recipients of a message	FINEST	This can happen due to database error	Message delivery to unresolved recipients will fail	Please investigate the database error
BEEU-01237	Local delivery of a message failed	WARNING	This happens due to a database error	Local recipients fail to receive the message	Please investigate the database error
BEEU-01238	Checkpointing remote recipients failed	WARNING	This happens due to failure to update information about recipients in the database	State of recipients in the database will be incorrect	Please investigate the database error
BEEU-01239	Submission processing of message fails	WARNING	Submission processing of message {0} raised throwable	Message processing fails	Please investigate the throwable
BEEU-01240	Connecting to DNS server fails	FINE	Connecting to DNS server fails due to unknown host	Remote mail delivery of a message will be impacted	Please check DNS servers
BEEU-01241	Resolving domain fails	WARNING	Resolving domain fails due to invalid host name	Remote mail delivery will be impacted	Please check host name (domain)
BEEU-01242	Error during resolution	WARNING	Error during domain resolution due to an exception	Remote mail delivery may be impacted	Please check the exception
BEEU-01291	You do not have the required access.	SEVERE	You do not have the required access.	You do not have the required access.	Please contact Oracle Support for more information.
BEEU-01292	The specified entity does not exist.	SEVERE	The specified entity does not exist.	The specified entity does not exist.	Please contact Oracle Support for more information.
BEEU-01293	Quota overflow error occurred.	WARNING	Quota overflow error occurred.	Quota overflow error occurred.	Please contact Oracle Support for more information.

Foundation Services Error Codes

The following table lists error codes for Foundation Services.

Table 3–11   Foundation Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-00300	An error has occurred retrieving the error code from the database.	SEVERE	The error code repository refers to an invalid or non-existent error code.	This error code cannot be properly displayed.	Please contact your administrator.
BEES-00302	Service is not available.	SEVERE	See the associated exception for details.	Cannot access the service.	Please contact Oracle Support for more information.
BEES-00304	Service instance failed to init.	SEVERE	See the associated exception for details.	Cannot access the service instance.	Please contact Oracle Support for more information.
BEES-00306	Batch delete partially succeeded.	WARNING	Service side failed to delete some entities.	Some entities in the batch is not deleted.	Retry for those failed entities.
BEES-00308	Batch purge partially succeeded.	WARNING	Service side failed to purge some entities.	Some entities in the batch is not purged.	Retry for those failed entities.
BEES-00310	JTA(XA) transaction are not supported.	SEVERE	Service try to fetch a connection in JTA tx context.	Unable to provide a XA connection.	Disable JTA transaction.

Instant Messaging Service Error Codes

The following table lists error codes for Instant Messaging Service.

Table 3–12   Instant Messaging Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-01301	IM service encountered an internal error.	WARNING	See stack trace for details.	Instant Messaging could fail.	Contact system administrator or see stack trace for further action.
BEEZ-01302	Login failure	SEVERE	User doesn't have sufficient privileges to login to Instant Messaging.	Login failed.	Contact your system administrator.
BEEZ-01303	Access is denied.	SEVERE	The client does not have appropriate privileges.	Listing of conversation transcript failed.	Please contact an administrator if you still have this problem.
BEEZ-01304	Access is denied.	SEVERE	The client does not have appropriate privileges.	Failed to delete conversation transcript.	Please contact an administrator if you still have this problem.
BEEZ-01305	Access is denied.	SEVERE	The client does not have appropriate privileges.	Listing of offline messages failed.	Please contact an administrator if you still have this problem.
BEEZ-01306	Access is denied.	SEVERE	The client does not have appropriate privileges.	Failed to delete offline message.	Please contact an administrator if you still have this problem.
BEEZ-01307	User is not provisioned to use Instant Messaging.	SEVERE	User is not provisioned to use Instant Messaging.		
BEES-01311	Cannot store offline message.	SEVERE	See stack trace for details.	Unable to handle this offline message, it will be lost.	Contact system administrator or see stack trace for further action.

Table 3–12   (Cont.)   Instant Messaging Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-01312	Fetching offline messages for the user failed.	SEVERE	See stack trace for details.	You will not be able to see offline messages.	Contact system administrator or see stack trace for further action.
BEES-01313	Fetching conversation transcripts for the user failed.	SEVERE	See stack trace for details.	You will not be able to see conversation transcripts.	Contact system administrator or see stack trace for further action.
BEES-01314	Error loading OnlineInstantMessageSet.	SEVERE	Requested entity does not exist.	User will not be able to see instant messages.	Contact Oracle Support.
BEES-01315	Could not send message to the destination.	SEVERE	Bus connection might be down.	Instant Messaging will not work.	Restart Beehive/Omb.
BEES-01316	Error updating the InstantMessageReceptacle.	SEVERE	Some problem accessing the DB.	User may not be able to login and use instant messaging.	Retry. Contact Oracle Support if the problem persists.
BEES-01317	Error updating the InstantMessageReceptacle.	WARNING	Bus connection might be down.	Other service instances may not come to know of this logout or if the user was coming online with same resource again, the earlier instance may not get logged out.	Restart Beehive/Omb.
BEES-01318	Error updating the InstantMessageReceptacle.	SEVERE	Some problem accessing the DB.	User may not be able to login and use instant messaging.	Retry. Contact Oracle Support if the problem persists.
BEES-01319	Error updating the InstantMessageReceptacle.	SEVERE	Some problem accessing the DB.	User may not be able to login and use instant messaging.	Retry. Contact Oracle Support if the problem persists.
BEES-01320	Error loading InstantMessageReceptacle.	SEVERE	Some problem accessing the DB.	Instant Messaging may not work properly.	Retry. Contact Oracle Support if the problem persists.
BEES-01321	Error loading InstantMessageReceptacle.	SEVERE	Requested entity does not exist.	Instant Messaging may not work properly.	Contact system administrator or see stack trace for further action.
BEES-01322	Error deleting instant message transcript.	SEVERE	Some problem accessing the DB.	User will not be able to delete his instant message transcript.	Contact system administrator or see stack trace for further action.
BEES-01323	Error deleting offline instant message.	SEVERE	Some problem accessing the DB.	User will not be able to delete his offline instant message.	Contact system administrator or see stack trace for further action.
BEES-01324	Could not fetch archive folder.	SEVERE	Some problem accessing the DB.	Server side archiving may not work.	Contact system administrator or see stack trace for further action.
BEES-01325	Error loading offline instant message.	SEVERE	Some problem accessing the DB.	Instant Messaging may not work properly.	Retry. Contact Oracle Support if the problem persists.
BEES-01326	Error loading offline instant message.	SEVERE	Requested entity does not exist.	Instant Messaging may not work properly.	Contact system administrator or see stack trace for further action.

Table 3–12   (Cont.)   Instant Messaging Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-01327	IMService could not get initialized properly.	SEVERE	Could not activate service command channel.	IMService will not work properly.	Restart IMService.
BEES-01341	Error updating the InstantMessageReceptacle.	SEVERE	User is not provisioned to use Instant Messaging.	User may not be able to login and use instant messaging.	Contact system administrator or see stack trace for further action.
BEES-01342	Error updating the InstantMessageReceptacle.	SEVERE	Resource value is null. User can't login with empty resource.	User may not be able to login and use instant messaging.	Provide a non null resource value.

Message Delivery Service Error Codes

The following table lists error codes for Message Delivery Service.

Table 3–13   Message Delivery Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-02000	Message Delivery Service failed to initialize.	INTERNAL _ERROR	Unexpected failure during initialization. Unexpected failure during initialization of {0} delivery handler.	Message Delivery may not be fully available.	Please contact Oracle Support.
BEES-02001	Unable to login to remote service.	WARNING	Invalid username/password credentials.	Message Delivery can not proceed without valid credentials.	Define correct username/password credentials and try again.
BEEP-02070	SMPP ENQUIRE_LINK PDU time longer than expected.	CONFIG	SMPP ENQUIRE_ LINK PDU time longer than expected.	SMPP Performance could be degraded due to network latency.	Administrator check network settings and correct as required.
BEEP-02071	XMS delivery time longer than expected.	CONFIG	XMS delivery time longer than expected.	XMS Performance could be degraded due to network latency.	Administrator check network settings and correct as required.
BEER-02080	SMPP connection closed unexpectedly.	WARNING	SMPP connection closed unexpectedly.	SMPP connection should auto-reconnect.	Administrator check network settings and correct as required.
BEES-02099	Internal server error.	INTERNAL _ERROR	Unable to process delivery request.	Delivery request can not be completed.	Please contact Oracle Support.

Mobile DM Server Error Codes

The following table lists error codes for Mobile DM Server.

Table 3–14   Mobile DM Server

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-02500	Mobile DM Server failed to initialize.	SEVERE	Service Instance is not initialized yet.	Mobile DM Server is not available.	Try again in a few minutes. If still fails, contact Oracle Support.
BEEZ-02501	Could not login to MobileDM Server.	WARNING	Invalid username/password combination.	Client cannot access the Mobile DM Server.	Type correct username/password combination and try again.
BEEZ-02502	Cannot proceed, as user is not authenticated.	WARNING	User cannot execute this command unless authenticated.	Command cannot be executed unless user is authenticated.	User must authenticate first before proceeding.
BEEZ-02503	Cannot proceed, as device is invalid.	WARNING	User cannot execute this command as device is invalid.	Command cannot be executed unless user re-authenticate with valid device ID.	User must authenticate first before proceeding.
BEEZ-02504	Cannot proceed, as user context failed to initialize.	SEVERE	User context failed to be copied. User context failed to be re-attached.	Command cannot be executed unless user is authenticated.	Please contact system administrator.
BEED-02510	MobileDM Server cannot process this request.	WARNING	Invalid syntax for command {0}.	Command cannot be processed.	Correct the syntax and try again.
BEED-02511	Module not found.	WARNING	Invalid module ID sent on this command.	Module cannot be downloaded.	Check the module ID and re-send the download command.
BEED-02512	Too many invalid attempts from this client.	WARNING	Client send too many invalid command attempts.	Session is being closed and invalidated.	System administrator should verify server logs and potentially block offending client.
BEES-02591	Cannot fulfill Client request at this time.	SEVERE	Server capacity reached.	No new clients can be served at this time.	Administrator must increase the Mobile DM Server's capacity to allow new clients to be served.
BEES-02599	Internal server error.	SEVERE	Could not process command due to unexpected server error.	Operation cannot be completed.	Please contact Oracle Support for more information.

Mobile Data Sync Server Error Codes

The following table lists error codes for Mobile Data Sync Server.

Table 3–15   Mobile Data Sync Server

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-02200	Oracle Mobile Data Sync Service failed to initialize.	INTERNAL _ERROR	This could be a deployment issue.	Oracle Mobile Data Sync Service will not be available.	Correct any error in the stacktrace and restart Oracle Mobile Data Sync Service. Contact Oracle Support if error persists.
BEEZ-02201	Could not log in to Oracle Mobile Data Sync Service.	WARNING	Invalid username/password combination.	The synchronization between the client and server would fail.	Type correct username/password combination and try again.
BEEZ-02202	Cannot proceed, because user is not authenticated.	WARNING	User cannot execute this command unless authenticated.	Command cannot be executed unless user is authenticated.	User must authenticate first before proceeding.
BEED-02210	Oracle Mobile Data Sync Service failed to parse or render the SYNCML message.	SEVERE	The client SYNCML message could be corrupted or the server could have a bug.	The synchronization between the client and server would fail.	Turn the SYNCML message log on and inspect the incoming message.
BEED-02211	Oracle Mobile Data Sync Service failed to parse or render the SYNCML messages in WBXML format.	SEVERE	The client WBXML message could be corrupted or the server could have a bug.	The synchronization between the client and server would fail.	Turn the SYNCML message log on and inspect the incoming message.
BEER-02280	Metadata persistence error.	SEVERE	Oracle Mobile Data Sync Service has failed when saving or accessing metadata. The database could be down or the database access layer could have an issue.	Oracle Mobile Data Sync Service will not be available.	Contact your database administrator. If the database is up and normal, contact Oracle Support
BEER-02281	An error occurred at the Oracle Mobile Data Sync Service transport layer.	SEVERE	The network connection between the client and the server could be broken. This could be a temporary network error.	The synchronization between the client and server would fail.	Correct the network error and retry the sync.
BEES-02290	Cannot fulfill client request at this time.	SEVERE	Server capacity reached.	No new clients can be served at this time.	Administrator must increase the Oracle Mobile Data Sync Service's capacity to allow new clients to be served.
BEES-02291	The data synchronization protocol handler experienced an error.	SEVERE	The data synchronization protocol handler has failed when processing the client request.	The synchronization between the client and server would fail.	Contact Oracle Support for more information.
BEES-02292	Oracle Mobile Data Sync Service has failed when interacting with a back-end service.	SEVERE	The back-end service could be down. See stack trace for details.	The synchronization of the affected data store would fail.	Make sure the back-end is up and retry the sync.
BEES-02299	Oracle Mobile Data Sync Service encountered an internal error.	INTERNAL _ERROR	Can not proceed due to unexpected error.	Sync could fail.	Contact Oracle Support for more information.

Mobile Mail Server Error Codes

The following table lists error codes for Mobile Mail Server.

Table 3–16   Mobile Mail Server

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-02300	Mobile Mail Server failed to initialize.	INTERNAL _ERROR	Unexpected error.	Mobile Mail Server will not be available.	Please, contact Oracle support.
BEEZ-02301	Could not login to Mobile Mail Server.	WARNING	Invalid username/password combination.	Client cannot access Mobile Mail Server.	Verify username and password, and try again.
BEEZ-02302	Invalid state.	WARNING	User is in invalid state to do the operation.	Command is not executed.	Try again with the valid state {0}.
BEEZ-02303	User authorization process failure.	WARNING	Failed to associate user {0} to device {1}.	User will be unable to use Mobile Mail.	Try to logout and login back. If problem persists, please contact your system administrator.
BEED-02310	Invalid Mobile Mail request.	WARNING	Client has sent an invalid request.	Mobile Mail Server will not process the request.	Please, verify your Mobile Mail Client.
BEED-02311	Mobile Mail Server cannot process the command.	WARNING	Invalid syntax for command {0} from device {1}.	Command cannot be processed.	Mobile Mail client must correct the syntax and try again.
BEER-02380	Data streaming error.	WARNING	Data streaming error for device {0}.	Device end-to-end connection will be closed.	Device {0} needs to reconnect and reauthenticate.
BEER-02381	Unable to connect to Beehive Mail server.	SEVERE	Unexpected error.	Device end-to-end connection will be closed.	Check Beehive Mail server status, if the problem persists talk to your system administrator.
BEES-02390	Cannot fulfill Client request at this time.	WARNING	Server capacity reached.	No new clients can be served at this time.	Administrator must increase the "Service Name" Server's capacity to allow new clients to be served.
BEES-02399	Internal server error.	INTERNAL _ERROR	Could not process command due to an internal server error.	Command cannot be processed.	Please, contact the administrator for more details.

Mobile Push Server Error Codes

The following table lists error codes for Mobile Push Server.

Table 3–17   Mobile Push Server

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-02400	Mobile Push Server failed to initialize.	INTERNAL _ERROR	Unexpected error.	Mobile Push Server will not be available.	Please, contact Oracle support.
BEEZ-02401	Could not login to Mobile Push Server.	WARNING	Invalid username/password combination.	Client cannot access Mobile Push Server.	Verify username and password, and try again.
BEEZ-02402	The operation requires the user to be authenticated.	WARNING	User cannot execute this command unless is authenticated.	Command is not executed.	User must authenticate first and try again.

Table 3–17   (Cont.)   Mobile Push Server

Message ID	Display Name	Severity	Cause	Effect	Action
BEEZ-02403	User authorization process failure.	WARNING	Failed to associate user {0} to device {1}.	User might not receive any notification.	Try to logout and login back. If problem persists, please contact your system administrator.
BEED-02410	Invalid Push request.	WARNING	Client has sent an invalid request.	Mobile Push Server will not respond to the request.	Please, verify your Push Client.
BEED-02411	Mobile Push Server cannot process this command.	WARNING	Invalid syntax for command {0}.	Command cannot be processed.	Push client must correct the syntax and try again.
BEEU-02430	Too many invalid commands.	WARNING	User {0} has sent many invalid commands through device {1}.	User connection is dropped.	Please, verify your data and try again.
BEER-02480	Communication channel is closed.	WARNING	You have a network problem or BTI service has failed to start.	Communication will not be established.	Retry, if problem persists, contact Oracle Support.
BEER-02481	Could not connect to Push Client.	WARNING	Communication channel to Push Client on device {0} is not available.	Push Client will not receive any data.	Please check your device, if the problem persists talk to your system administrator.
BEES-02491	Subscription failure.	SEVERE	Could not find event producer to application {0}.	User {0} will not receive any events on device {1}.	Try again, if problem persists contact your system administrator.
BEES-02492	Failed to initialize subscription manager.	SEVERE	Failed to associate an event listener to the user {0} and device {1}.	Push Server will not notify client about events.	Please, logout and try to login again. If problem persists, please contact your system administrator.
BEES-02499	Internal server error.	INTERNAL _ERROR	Could not process command due to an internal server error.	Command cannot be processed.	Please, contact the administrator for more details.

Notification Service Error Codes

The following table lists error codes for Notification Service.

Table 3–18   Notification Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-01900	Notification service failed to initialize.	SEVERE	See stack trace for details.	Notification service will not be available.	Please contact Oracle Support.
BEED-01910	Notification schema XML parsing failed.	WARNING	Schema XML parsing caused an exception.	Schema will not be created.	Recreate XML and try again.
BEED-01911	Notification properties XML parsing failed.	WARNING	Exception was thrown while converting to XML	Notification will not be created.	Recreate notification properties and try again.
BEED-01912	Invalid notification content error	WARNING	Notification content argument is incorrect	Notification will not be created.	Recreate notification content using SimpleContent and try again.

Table 3–18   (Cont.)   Notification Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-01930	Notification schema creation failed.	WARNING	Schema by this name already exists.	Schema will not be created.	Change the name of the schema or update existing schema.
BEEU-01931	Schema attributes creation failed.	WARNING	Exception was thrown while creating attribute definitions	Schema will not be created.	Recreate schema attributes and try again.
BEEU-01932	An error occurred in the DB.	WARNING	See stack trace for details.		
BEEU-01933	Entity was not found in the system.	WARNING	See stack trace for details.		
BEEU-01934	Access control check failed.	WARNING	Insufficient privileges or access type.	Operation was not completed.	User needs more privileges.
BEEU-01935	Operation to update/delete entity failed.	WARNING	Invalid state of the object.	Operation was not completed.	Reload entity and then retry.
BEEU-01936	Notification schema create failed.	WARNING	See stack trace for details.	Schema will not be {0}.	Correct the error and retry.
BEEU-01937	Notification schema load failed.	WARNING	See stack trace for details.	Schema will not be {0}.	Correct the error and retry.
BEEU-01938	Notification schema update failed.	WARNING	See stack trace for details.	Schema will not be {0}.	Correct the error and retry.
BEEU-01939	Notification schema delete failed.	WARNING	See stack trace for details.	Schema will not be {0}.	Correct the error and retry.
BEEU-01940	Notification schema list failed.	WARNING	See stack trace for details.	Schema will not be {0}.	Correct the error and retry.
BEEU-01941	Notification create failed.	WARNING	See stack trace for details.	Notification will not be {0}.	Correct the error and retry.
BEEU-01942	Notification load failed.	WARNING	See stack trace for details.	Notification will not be {0}.	Correct the error and retry.
BEEU-01943	Notification update failed.	WARNING	See stack trace for details.	Notification will not be {0}.	Correct the error and retry.
BEEU-01944	Notification delete failed.	WARNING	See stack trace for details.	Notification will not be {0}.	Correct the error and retry.
BEEU-01945	Notification list failed.	WARNING	See stack trace for details.	Notification will not be {0}.	Correct the error and retry.
BEEU-01946	Notification create failed.	WARNING	Unable to overwrite delivery channel preference.	Notification will not be {0}.	Remove delivery channels try again.
BEER-01980	An error occurred in the DB.	WARNING	An Exception occurred in the DB.	Operation was not completed.	
BEES-01999	Internal service error.	SEVERE	Could not process action due to unexpected server error.	Operation cannot be completed.	Please contact Oracle Support.

Policy Management Error Codes

The following table lists error codes for Policy Management.

Table 3–19   Policy Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00901	Failed to create the policy schema	INFO	Policy schema with the same name already exists Unknown internal error has occurred	Failed to create the policy schema {0}	Policy schema with the same name already exists Unknown internal error has occurred
BEEU-00902	Failed to update the policy schema	INFO	A rule definition refers to this attribute definition {0} Unknown internal error has occurred Policy schema with the same name already exists Attribute definition {0} is not present in the schema Rule definition {0} does not exist Policy schema does not exist	Failed to update the policy schema {0}	Delete all rule definitions referring to the attribute definition {0} Check the logs for further details Give a different name for creating a new policy schema Use different attribute definition to delete/update or to use in rule condition Give a different rule definition to update/delete Give a different policy schema for update/load/delete
BEEU-00903	Failed to delete the policy schema	INFO	Policy schema does not exist Unknown internal error has occurred Cannot delete policy schema as some policy template refers to this schema	Failed to delete the policy schema {0}	Give a different policy schema for update/load/delete Check the logs for further details Delete all the policy templates first before updating the schema
BEEU-00904	Failed to load the policy schema	INFO	Policy schema does not exist Unknown internal error has occurred	Failed to load the policy schema {0}	Give a different policy schema for update/load/delete Check the logs for further details
BEEU-00911	Failed to create the policy template	INFO	Rule definition is already imported into the template. Unknown internal error has occurred A Policy template referring to same policy schema at the container already present Policy template cannot be created other than at scope levels	Failed to create the policy template {0}	Cannot chose the same rule definition to import again. Choose a different rule definition. Check the logs for further details Cannot create a Policy template referring to same policy schema at the container already present Choose either enterprise/organization/workspace to create policy templates as parent

Table 3–19   (Cont.) Policy Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00912	Failed to update the policy template	INFO	Rule definition is already imported into the template. Unknown internal error has occurred Policy template does not exist A Policy template referring to same policy schema at the container already present Cannot delete template as some policy refers to this template A policy has rule instance for this same template rule definition {0} Rule {0} is not present in policy template A policy template at the lower scope also refers to the same rule definition {0} Policy template at sub-container exist	Failed to update the policy template {0}	Cannot chose the same rule definition to import again. Choose a different rule definition. Check the logs for further details Give different policy template for update/delete/load Cannot create a Policy template referring to same policy schema at the container already present Delete policies first before updating/deleting the policy template Delete the instances of this rule from all policies which refers to this rule and then update/delete the rule Give a different rule Delete the rule of policy templates at the lower scope Delete the policy template at the sub-container which refers to the same policy schema
BEEU-00913	Failed to delete the policy template	INFO	Policy template does not exist Unknown internal error has occurred Cannot delete template as some policy refers to this template	Failed to delete the policy template {0}	Give different policy template for update/delete/load Check the logs for further details Delete policies first before updating/deleting the policy template
BEEU-00914	Failed to load the policy template	INFO	Policy template does not exist Unknown internal error has occurred	Failed to load the policy template {0}	Give different policy template for update/delete/load Check the logs for further details
BEEU-00921	Failed to create the policy	INFO	Rule is already imported from the template to the policy Unknown internal error has occurred A policy with the same name already present in the container Policy cannot be created other than at scope levels Another policy also refers to the same policy template at the given container	Failed to create the policy {0}	Cannot import the same rule from the template to the policy Check the logs for further details Give a different name for the policy Give either enterprise or organization or workspace as parent of a policy Cannot create a policy as another policy refers to the same policy template at the given container

Table 3–19   (Cont.)   Policy Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00922	Failed to update the policy	INFO	Rule is already imported from the template to the policy Unknown internal error has occurred A policy with the same name already present in the container Policy does not exist Rule {0} does not exist Rule {0} is not present in policy template Attribute application value is not present for attribute definition {0} Cannot import the rule {0} since there is no template for the policy Cannot update the rule {0} that is imported	Failed to update the policy {0}	Cannot import the same rule from the template to the policy Check the logs for further details Give a different name for the policy Invalid policy for update, load, delete a policy Give a valid rule for update or delete Give a valid policy template to create a policy Give a value for the attribute definition {0} Policy is not created from template so cannot inherit any rule Cannot update the rule {0} that is imported
BEEU-00923	Failed to delete the policy	INFO	Policy does not exist Unknown internal error has occurred	Failed to delete the policy {0}	Invalid policy for update, load, delete a policy Check the logs for further details
BEEU-00924	Failed to load the policy	INFO	Policy does not exist Unknown internal error has occurred	Failed to load the policy {0}	Invalid policy for update, load, delete a policy Check the logs for further details
BEEU-00981	Access denied. Insufficient privileges	INFO	Access denied. Insufficient privileges		User cannot does not have privileges to perform the operation
BEEU-00982	PS_INTERNAL_ERROR	INFO	Unknown internal error has occurred		Check the logs for further details

Presence Service Error Codes

The following table lists error codes for Presence Service.

Table 3–20   Presence Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-01801	Internal server error	SEVERE	Internal server error	Cannot service the request	Contact system administrator
BEEU-01802	The entity handle passed in is not supported	WARNING	The given Entity handle is not understood by the Presence service	Cannot service the request	Please use a valid entity handle
BEES-01803	Database is not up or unreachable	SEVERE	Database is not up or unreachable	Cannot service the request	Check database connectivity and connection parameters
BEEU-01804	The presence handle received is not valid	WARNING	The presence handle received is not valid	Cannot service the request	Check the presence handle being passed
BEEU-01805	The updater implementation passed is not supported by presence service	WARNING	The updater implementation passed is not supported by presence	Cannot service the request	Please use the updater instantiated from PresenceFactory

Table 3–20   (Cont.)   Presence Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-01806	The requested operation is not supported by presence service	SEVERE	The requested operation is not supported by presence service	Cannot service the request	Please use valid methods from PresenceControl
BEES-01807	Timed out waiting for reply from presence service server	WARNING	Presence service is down or bus connectivity is lost	Cannot service the request	Check presence service status and/or bus connectivity
BEEU-01808	The requested class is not supported by presence service	WARNING	The requested class is not supported by presence service	Cannot service the request	Please check the parameter passed
BEEZ-01809	User is not authorized for the operation	SEVERE	The user doesn't have enough privileges for the operation	Cannot service the request	Please authenticate with appropriate credentials
BEEU-01810	Activity start time or end time or both exceed limits	WARNING	Activity start time or end time or both exceed limit	Cannot service the request	Please have start time that is not too ahead in the future and end time that is in the future
BEEU-01811	Presence object is not loaded for the requested attribute	WARNING	Object has not been loaded with the proper Projection	Cannot service the request	Please use right Projection that covers the requested attribute

RM Service Error Codes

The following table lists error codes for RM Service.

Table 3–21   RM Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-04011	Cannot Recordize artifact with collabid {0}	WARNING	Artifact is already a Record Cannot Recordize artifact of type {0} Invalid Retention Category / Folder id {0}	Cannot Recordize artifact with collabid {0}	
BEEU-04012	Cannot UnRecordize artifact with collabid {0}	WARNING	RM_CANNOT_ RECORDIZE_NON_ RECORD_CAUSE Cannot UNRecordize artifact of type {0}	Cannot UnRecordize artifact with collabid {0}	

Table 3–21   (Cont.)   RM Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEER-04031	Cannot Recordize artifact with collabid {0}	SEVERE	Cannot Recordize artifact as URM is not available or responsive Cannot Recordize as URM returned an unknown error.	Cannot Recordize artifact with collabid {0}	Please re-try recordizing the artifact later.
BEER-04032	Cannot UnRecordize artifact with collabid {0}	SEVERE	Cannot UnRecordize artifact as URM is not available or responsive Cannot UnRecordize as URM returned an unknown error.	Cannot UnRecordize artifact with collabid {0}	Please re-try unrecordizing the artifact later.
BEER-04033	Cannot retrieve file plan information	SEVERE	Cannot get file plan as URM is not available or responsive Cannot get file plan as URM returned an unknown error.	Cannot retrieve file plan information	Please re-try retrieving file plan info later.

Search Error Codes

The following table lists error codes for Search.

Table 3–22   Search

Message ID	Display Name	Severity	Cause	Effect	Action
BEEC-03500	SEARCH_QUERY_ NOT_SUPPORTED	SEVERE	SEARCH_QUERY_ NOT_SUPPORTED_ CAUSE	SEARCH_QUERY_ NOT_SUPPORTED_ EFFECT	SEARCH_QUERY_ NOT_SUPPORTED_ ACTION

Subscription Service Error Codes

The following table lists error codes for Subscription Service.

Table 3–23   Subscription Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-02101	Subscription service encountered an internal error.	INFO	See stack trace for details.	Operation on Subscription was not completed.	Correct the error and retry.
BEEU-02102	Access control check failed.	INFO	Insufficient privileges or access type.	Operation was not completed.	User needs proper privileges for the operation.
BEEU-02111	Subscription Template exists.	INFO	Subscription Template with the same value already exist.	Operation was not completed.	Fix the failure and try again
BEEU-02112	Subscription Template not found.	INFO	Subscription Template with the specified value cannot be found.	Subscription Template was not loaded.	Fix the failure and try again
BEEU-02113	Subscription Template XML parsing failed.	INFO	Exception was thrown while parsing XML	Subscription Template is not created.	Fix error and try again.

Table 3–23 (Cont.) Subscription Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-02114	Subscription Template creation encountered an error.	INFO	See stack trace for details.	Create on Subscription Template was not completed.	Correct the error and retry.
BEEU-02115	Subscription Template retrieval encountered an error.	INFO	See stack trace for details.	Load on Subscription Template was not completed.	Correct the error and retry.
BEEU-02116	Subscription Templates retrieval encountered an error.	INFO	See stack trace for details.	Loading Subscription Template List was not completed.	Correct the error and retry.
BEES-02117	Internal error while processing the upload.	INFO	See stack trace for details.	Load on Subscription Template was not completed.	Correct the error and retry.
BEES-02118	Unable to use JAXB for unmarshalling.	INFO	See stack trace for details.	Load on Subscription Template was not completed.	Correct the error and retry.
BEEU-02119	Invalid XML content is encountered.	INFO	See stack trace for details.	Load on Subscription Template was not completed.	Correct the error and retry.
BEEU-02120	Failed to update subscription template.	INFO	See stack trace for details.	Operation on Subscription was not completed.	Correct the error and retry.
BEEU-02121	Subscription creation encountered an error.	INFO	See stack trace for details.	Creation on Subscription was not completed.	Correct the error and retry.
BEEU-02122	Subscription update encountered an error.	INFO	See stack trace for details.	Update on Subscription was not completed.	Correct the error and retry.
BEEU-02123	Subscription deletion encountered an error.	INFO	See stack trace for details.	Delete on Subscription was not completed.	Correct the error and retry.
BEEU-02124	Subscription retrieval encountered an error.	INFO	See stack trace for details.	Load on Subscription was not completed.	Correct the error and retry.
BEEU-02125	Subscriptions retrieval encountered an error.	INFO	See stack trace for details.	Loading Subscription List was not completed.	Correct the error and retry.
BEEU-02126	Failed to load source.	INFO	See stack trace for details.	Operation on Subscription was not completed.	Correct the error and retry.
BEEU-02127	Failed to create Subscription Schema.	INFO	See stack trace for details.	Creation on Subscription was not completed.	Correct the error and retry.
BEEU-02128	could not load Subscription Schema by Collab Id.	INFO	See stack trace for details.	Load on Subscription was not completed.	Correct the error and retry.
BEEU-02129	could not load SubscriptionRuleDefition by Collab Id.	INFO	See stack trace for details.	Load on Subscription was not completed.	Correct the error and retry.
BEEU-02130	could not check write Access.	INFO	See stack trace for details.	Creation on Subscription was not completed.	Correct the error and retry.
BEEU-02131	could not load Subscription by Collab Id.	INFO	See stack trace for details.	Load on Subscription was not completed.	Correct the error and retry.

Table 3–23   (Cont.) Subscription Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-02132	could not enable/disable Subscription by Collab Id.	INFO	See stack trace for details.	Load on Subscription was not completed.	Correct the error and retry.
BEEU-02133	could not delete Subscription by Collab Id.	INFO	See stack trace for details.	Delete on Subscription was not completed.	Correct the error and retry.
BEEU-02134	could not undelete Subscription by Collab Id.	INFO	See stack trace for details.	Operation on Subscription was not completed.	Correct the error and retry.
BEEU-02151	User Context returned null cen, throwing CsiException.	INFO	See stack trace for details.	Operation on Subscription was not completed.	Correct the error and retry.
BEEU-02152	PLSQL status is NOT Success.	INFO	See stack trace for details.	Operation on Subscription was not completed.	Correct the error and retry.

System Management Error Codes

The following table lists error codes for System Management.

Table 3–24   System Management

Message ID	Display Name	Severity	Cause	Effect	Action
BEEZ-03800	System Management Access Denied.	SEVERE	The User does not have the required Privilege to do system management.	The User will not be allowed to do system management.	Grant the required Privilege to the User.

Time Management And Coexistence With Exchange Error Codes

The following table lists error codes for Time Management And Coexistence With Exchange.

Table 3–25   Time Management And Coexistence With Exchange

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-01101	The entity could not be found.	FINE	The entity could not be found.	The entity cannot be accessed.	Specify a valid entity.
BEEU-01102	You do not have the required access.	FINE	You do not have the required access.	You do not have the required access.	Contact the owner of the entity to be granted access.
BEEU-01103	The user is not enabled for Time Management.	FINE	The user is not enabled for Time Management.	The user cannot perform Time Management operations.	Contact your administrator to enable the user for Time Management.
BEEU-01104	Optimistic locking failed.	FINE	The entity was modified.	The modifications cannot be applied.	Reload the entity and reapply the modification.
BEEU-01105	An invalid argument was provided.	WARNING	An invalid argument was provided.	The requested operation cannot be performed.	Please notify your system administrator.
BEEU-01106	A configuration parameter is missing.	SEVERE	A configuration parameter cannot be accessed from the Time Management Service's pl/sql.	The requested operation cannot be performed.	Please notify your system administrator.

Table 3–25   (Cont.)   Time Management And Coexistence With Exchange

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-01107	This Time Management entity is locked.	FINE	This Time Management entity is locked.	The entity cannot be updated is this moment.	Retry the operation later, or contact the owner to unlock the workspace.
BEEU-01108	There already is an Entity with similar attributes at the same Scope.	FINE	There already is an Entity with similar attributes at the same Scope.	The operation cannot be performed.	Retry the operation with unique values, or update the conflicting entity.
BEEU-01109	Unable to exceed a limit defined by the Time Management Service.	FINE	The requested operation would cause a Time Management limit to be exceeded.	The requested operation cannot be performed.	Contact the administrator to increase the limit.
BEEU-01110	A scheduling conflict occurred.	FINE	A participant that does not allow double booking is already scheduled at this time.	The calendar event cannot be scheduled at this time.	Remove the conflicting participant, or reschedule the calendar event at another time.
BEEU-01111	A data constraint occurred.	WARNING	Inconsistent data was provided.	The requested operation cannot be performed.	Verify the values and retry the operation.
BEEU-01112	The operation cannot be completed in a timely fashion.	FINE	The resources required for this operation are currently busy.	The requested operation cannot be performed at this time.	Please retry the operation.
BEEU-01113	Unexpected error.	SEVERE	An unexpected internal error occurred.	The requested operation cannot be performed.	Please notify your system administrator.

User Directory Services Error Codes

The following table lists error codes for User Directory Services.

Table 3–26   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEER-00700	A database operation failed due to a transient or permanent error	SEVERE	A database operation failed due to a transient or permanent error Failed to read data from database object	The attempted operation could not be completed	Try again later. If the problem persists, contact your system administrator
BEED-00701	User creation error during external directory synchronization	WARNING	Duplicate entity The specified principal type is not valid The specified principal was not created Failed to process the external directory synchronization event Invalid enterprise {0} found for synchronization event Invalid organization {0} found for synchronization event The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid An error occurred during user creation	External directory user not created	Specify a valid value
BEER-00701	An external directory operation failed due to a transient or permanent error	SEVERE	Unable to establish a connection to the external directory External directory authentication failed Check the plugin {0} name or path	Failed to start sync for {0}	Try again later. If the problem persists, contact your system administrator Check external directory is available and changelog enabled. Make sure that profile has correct user and group search base, with correct user credentials. Check the plugin name or path Check directory user credentials.

Table 3–26 (Cont.) User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00701	An error occurred during preference set creation	WARNING	Duplicate entity The specified parent does not exist or cannot be used No such entity The preference set cannot extend from another set with a different name The preference set cannot extend from another set with a different template schema The preference set cannot extend from the one specified because it would cause a cyclic dependency The preference set contains a preference property that cannot be overridden from its super set The preference property cannot be added to the preference set because it is not specified in the template The preference property cannot be added to the preference set because the value is not invalid as per the template The specified value for one or more parameters is too large The specified preference profile does not exist or cannot be used	The specified preference set was not created	Specify a valid value Specify another value

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00702	User modification error during external directory synchronization	WARNING	No such entity The specified principal type is not valid The specified principal was not created The specified principal was not updated The specified principal was not deleted The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid An error occurred during user update Failed to process the external directory synchronization event	External directory user not updated	Specify a valid value in the external directory
BEEU-00702	An error occurred during preference set update	INFO	The specified parent does not exist or cannot be used A newer version of the specified entity exists in the system No such entity The preference set cannot extend from another set with a different name The preference set cannot extend from another set with a different template schema The preference set cannot extend from the one specified because it would cause a cyclic dependency The specified value for one or more parameters is too large The preference set contains a preference property that cannot be overridden from its super set	The specified preference set was not updated	Specify a valid value Specify another value Refresh the entity and retry the operation

Table 3–26   (Cont.) User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00703	User deletion error during external directory synchronization	WARNING	No such entity An error occurred during user deletion Failed to process the external directory synchronization event	External directory user not deleted	Specify a valid value in the external directory
BEEU-00703	An error occurred during preference set deletion	WARNING	No such entity A newer version of the specified entity exists in the system UDS_PARENT_NOT_DELETED	The specified preference set was not deleted	Specify a valid value Specify another value Refresh the entity and retry the operation
BEEU-00704	An error occurred during preference set loading	INFO	No such entity	The specified preference set was not loaded	Specify a valid value
BEEU-00705	An error occurred during preference profile creation	WARNING	No such entity Duplicate entity The specified parent does not exist or cannot be used The preference profile already contains the specified preference set The specified value for one or more parameters is too large A preference profile already exists for the specified entity	The specified preference profile was not created	Specify a valid value Specify another value

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00706	Group creation error during external directory synchronization	WARNING	Duplicate entity Failed to process the external directory synchronization event Invalid enterprise {0} found for synchronization event Invalid organization {0} found for synchronization event The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid An error occurred during group creation	External directory group not created	Specify a valid value in the external directory
BEEU-00706	An error occurred during preference profile update	INFO	The specified parent does not exist or cannot be used A newer version of the specified entity exists in the system No such entity The specified value for one or more parameters is too large The preference profile already contains the specified preference set	The specified preference profile was not updated	Specify a valid value Specify another value Refresh the entity and retry the operation

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00707	Group modification error during external directory synchronization	WARNING	No such entity The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid An error occurred during group update Failed to process the external directory synchronization event	External directory group not updated	Specify a valid value in the external directory
BEEU-00707	An error occurred during preference profile deletion	WARNING	No such entity The preference profile is currently active A newer version of the specified entity exists in the system	The specified preference profile was not deleted	Specify a valid value Specify another value Refresh the entity and retry the operation
BEED-00708	Group deletion error during external directory synchronization	WARNING	No such entity An error occurred during group deletion Failed to process the external directory synchronization event	External directory group not deleted	Specify a valid value in the external directory
BEEU-00708	An error occurred during preference profile loading	INFO	No such entity	The specified preference profile was not loaded	Specify a valid value

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEC-00711	Error during initialization of external directory synchronization	SEVERE	Failed to created the directory object Failed to get default directory object Failed to connect to external directory Failed to get LDAP server Invalid Directory type Failed to get the changelog DN from external directory Enterprise not found in directory object User type not found in directory object Group type not found in directory object Invalid group dn {0} found for the external directory Invalid user dn {0} found for the external directory Could not find the default user DN for the external directory Could not find the default group DN for the external directory Could not find the DN {0} in the external directory Invalid user name or password of the external directory user Invalid external directory host or port Invalid external directory host or port User configured in the profile does not have permission to access the hierarchy {0} in the external directory Invalid external directory credentials found, correct it and retry Invalid target attribute sub type {0} Invalid target attribute type {0} Invalid source attribute type {0} Invalid target attribute name {0} Target attribute type not found Target attribute type not found Source attribute type not found Target attribute name not found Invalid attribute map for {0} Invalid attribute name {0} in source attribute {1}	External directory synchronization not initialized. Profile validation failed.	Specify a valid value Check external directory is available and changelog enabled. Make sure that profile has correct user and group search base, with correct user credentials. Specify another value Valid principal types are PRIMARY, PROTOCOL and VOICE Provide primary principal mapping Provide group name mapping Provide family name mapping For {0} valid source attribute format is {1} For {0} valid target attribute names are {1}

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00711	Error in processing the external directory synchronization event	WARNING	Failed to initialize external directory synchronization plugin Failed to connect to external directory Failed to get the changelog DN from external directory Failed to get the unique global identifier from external directory Failed to search the external directory Failed to get the directory events from the external directory Failed to get the current change log number from the external directory	Failed to process the external directory synchronization event	Specify a valid value Check external directory is available and changelog enabled. Make sure that profile has correct user and group search base, with correct user credentials. Specify another value
BEEU-00711	An error occurred during principal creation	WARNING	The specified identifier is already in use The specified name is already in use The name was not specified or cannot be used The specified parent does not exist or cannot be used A specified sufficient principal does not exist or cannot be used The specified delegate does not exist or cannot be used The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified principal type is not valid UDS_EVENT_ FAILED	The specified principal was not created	Specify a valid value Specify another value Try again later. If the problem persists, contact your system administrator

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEC-00712	UDS_RECONCILE_ INITIALIZATION_ ERROR	SEVERE	Failed to get Directory for given profile Profile {0} does not exist. Failed to get service locator. Entry type not supported Entry type is undefined Failed to get entry type Failed to get directory locator of entry Unsupported attribute Invalid Format A database operation failed due to a transient or permanent error LDAP or external directory type is not supported Entry not Created By sync or by current profile Manager or assistant not present in the system, DN:{0} Group member not present in the system, DN:{0} Group not of type static group Error in getting directory locator by collabId The entry cannot be found either in the system or in the external directory Entry absent in LDAP server Cannot reconcile deleted entry. Failed to get data from LDAP server. Error in getting entry data by directory locator Error in terminating LDAP connection	Validation operation failed	Specify a valid value Provide correct profile name. Try again later. If the problem persists, contact your system administrator Purge entry and retry Use email Id or any valid Attribute Define entry type In external directory Check external directory is available and changelog enabled. Make sure that profile has correct user and group search base, with correct user credentials. Use valid value Check database Reconcile works only for Static groups Value in external directory not proper Create manager or assistant Check external directory connections.

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00712	An error occurred during principal update	INFO	The specified name is already in use The specified parent does not exist or cannot be used A specified sufficient principal does not exist or cannot be used The specified delegate does not exist or cannot be used The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified principal type is not valid A newer version of the specified entity exists in the system UDS_EVENT_FAILED	The specified principal was not updated	Specify a valid value Specify another value Refresh the entity and retry the operation Try again later. If the problem persists, contact your system administrator
BEEU-00713	An error occurred during principal deletion	WARNING	No such entity A newer version of the specified entity exists in the system Failed to unregister the entity with access control service UDS_EVENT_FAILED Group memberships could not be removed	The specified principal was not deleted	Specify a valid value Refresh the entity and retry the operation Try again later. If the problem persists, contact your system administrator
BEEU-00714	An error occurred during principal loading	INFO	No such entity	The specified principal was not loaded	Specify a valid value
BEEU-00715	An error occurred during principal resolution	INFO	No such entity The user for the specified principal is disabled, deleted or locked	The specified name was not resolved to a principal	Specify a valid value Enable the user and retry

Table 3–26 (Cont.) User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00721	Failed to generate user data.	WARNING	User does not have a valid manager. Profile {0} does not exist. Failed to get service locator. Principal or unique identifier not found. Invalid file {0} name or location. Invalid LDAP credentials. Invalid scope identifier. Invalid membership identifier. Attributes not found for user generation. Family name not found. Failed to find user type for {0}. Failed to find principal for {0}. Invalid attribute. Invalid property. Invalid address. Failed to generate user XML data. Failed to transform XML user data. Failed to generate user data.	Failed to download user data.	Provide correct manager or assistant value. Provide correct profile name. Provide family name for user {0}. Provide valid principal value. Try again later. If the problem persists, contact your system administrator Provide attribute map for profile {0}. Provide valid file location. Correct user type mapping and retry user generation. Provide valid LDAP credentials. Provide valid scope identifier for {0}. Provide valid membership identifier for {0}. Provide valid user type. Check if user has required unique identifier or principal.

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00721	An error occurred during user creation	WARNING	The specified identifier is already in use The specified parent does not exist or cannot be used The specified owner does not exist or cannot be used The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The family name was not specified The specified community does not exist or cannot be used The specified assistant does not exist or cannot be used The specified manager does not exist or cannot be used The specified preference profile does not exist or cannot be used The specified time zone does not exist or cannot be used The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified personal workspace does not exist or cannot be used A provisioning policy could not be applied during user creation The specified locale does not exist or cannot be used. The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified property is invalid; Name = {0}, Value = {1} The specified group is being modified. The automatic address book contacts could not be created for the user	The specified user was not created	Specify a valid value Specify another value See the log file for more details Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed Try again later. If the problem persists, contact your system administrator

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEED-00722	Failed to add users.	WARNING	Unable to find users manager Unable to find users assistant Failed to get service locator. Failed to find profilename {0}. Invalid filename {0} or location. Invalid LDAP credentials. Invalid enterprise identifier. Invalid organization identifier. Invalid user type. Invalid user attribute. Invalid user property. Invalid user address {0}. Invalid format of identifier {0}. Invalid user principal. Failed to parse user XML file Missing family name Failed to add groups. Failed to modify groups. Failed to add users.	Add user failed.	Provide valid manager value. Provide assistant principal name. Provide correct profile name. Try again later. If the problem persists, contact your system administrator Provide valid file name or location. Provide valid LDAP user credentials. Provide valid enterprise identifier. Provide valid organization identifier. Provide valid user type. Provide valid principal identifier. Provide valid unique identifier. Provide valid address. Provide valid identifier. Provide valid value. Provide valid XML file Provide family name

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00722	An error occurred during user update	WARNING	The specified parent does not exist or cannot be used The user was not specified or cannot be used The specified owner does not exist or cannot be used The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The family name was not specified The specified community does not exist or cannot be used The specified assistant does not exist or cannot be used The specified manager does not exist or cannot be used The specified preference profile does not exist or cannot be used The specified time zone does not exist or cannot be used The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified personal workspace does not exist or cannot be used The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large A newer version of the specified entity exists in the system The specified group is being modified. The values {0} are mastered in the external directory. These are read only entries. The automatic address book contacts could not be updated for the user	The specified user was not updated	Specify a valid value Specify another value Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed Perform the operation/changes in external directory. Try again later. If the problem persists, contact your system administrator

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00723	An error occurred during user deletion	WARNING	No such entity The user was not specified or cannot be used A user mastered in an external directory must be deleted in the external directory A newer version of the specified entity exists in the system A de-provisioning policy could not be applied during user deletion The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The automatic address book contacts could not be deleted for the user	The specified user was not deleted	Specify a valid value Specify another value Refresh the entity and retry the operation See the log file for more details Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed
BEEU-00724	An error occurred during user load	WARNING	No such entity The user was not specified or cannot be used	The specified user was not loaded	Specify a valid value
BEEU-00725	An error occurred during user purge	WARNING	No such entity The specified user has not been deleted and cannot be purged The user was not specified or cannot be used Failed to unregister the entity with access control service	The specified user was not purged	Specify a valid value Try again later. If the problem persists, contact your system administrator Try again later. If the problem persists, contact your system administrator
BEEU-00726	An error occurred while listing users	WARNING	A projection was not specified or cannot be used	The users could not be listed	Specify a valid value

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00731	An error occurred during group creation	WARNING	Duplicate entity The specified address is invalid No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The query was not specified or cannot be used The scope was not specified or cannot be used An entity with the specified address already exists The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The scope was not specified or cannot be used UDS_INVALID_PREDICATE The name was not specified or cannot be used The specified parent is not a team workspace The query was not specified or cannot be used The specified name is already in use An error occurred when raising events The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The specified group is being modified.	The specified group was not created	Specify a valid value Specify another value Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed Try again later. If the problem persists, contact your system administrator

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00732	An error occurred during group update	WARNING	The specified parent does not exist or cannot be used The specified group is invalid A newer version of the specified entity exists in the system No such entity The query was not specified or cannot be used The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified name is already in use Cannot convert a workspace group to enterprise group The specified preference profile does not exist or cannot be used An error occurred when raising events The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The specified group is being modified. The name was not specified or cannot be used The specified owner does not exist or cannot be used The values {0} are mastered in the external directory. These are read only entries.	The specified group was not updated	Specify a valid value Specify another value Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed Perform the operation/changes in external directory. Try again later. If the problem persists, contact your system administrator

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00733	An error occurred during group deletion	WARNING	No such entity The specified group is invalid A newer version of the specified entity exists in the system This operation cannot be performed on the ALL_USERS group This operation cannot be performed on team workspace group A group mastered in an external directory must be deleted in the external directory An error occurred when raising events The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The specified group is being modified.	The specified group was not deleted	Specify a valid value Specify another value Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed Try again later. If the problem persists, contact your system administrator
BEEU-00734	An error occurred during group load	WARNING	No such entity The specified group is invalid	The specified group was not loaded	Specify a valid value
BEEU-00735	An error occurred during addition or removal of group member	WARNING	The specified member is invalid The member could not be added to the group The member could not be deleted from the group The member was not added to the group as it would create cyclic loop The specified entity is already part of the group The member exists in a scope which is not visible to the group The specified entity is already excluded from the group Removal of excluded member failed	The members could not be added or removed	Specify a valid value Check the group member details and remove the duplicate entity Check the group member details and remove the already excluded member from the list

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00736	An error occurred during group purge	WARNING	No such entity The specified group is invalid This operation cannot be performed on the ALL_USERS group This operation cannot be performed on the group with this status This operation cannot be performed on team workspace group An error occurred when raising events Failed to unregister the entity with access control service	The specified group was not purged	Specify a valid value Specify another value The group should be in a different status to perform this operation
BEEU-00737	An error occurred while getting the element modifications	WARNING	The scope was not specified or cannot be used The specified scope does not exist	Could not get the element modifications for the specified container	Specify a valid value Specify another value
BEEU-00738	An error occurred during group undelete	WARNING	No such entity The specified group is invalid This operation cannot be performed on the ALL_USERS group This operation cannot be performed on the group with this status This operation cannot be performed on team workspace group An error occurred when raising events	The specified group could not be undeleted	Specify a valid value Specify another value The group should be in a different status to perform this operation
BEEU-00739	An error occurred while listing groups	WARNING	A projection was not specified or cannot be used	The groups could not be listed	Specify a valid value

Table 3–26   (Cont.)   User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00751	An error occurred during external contact creation	WARNING	The specified identifier is already in use The specified parent does not exist or cannot be used The specified owner does not exist or cannot be used The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The family name was not specified The specified community does not exist or cannot be used The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified time zone does not exist or cannot be used The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid	The specified external contact was not created	Specify a valid value Specify another value Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed

Table 3–26　(Cont.)　User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00752	An error occurred during external contact update	WARNING	The specified parent does not exist or cannot be used The external contact was not specified or cannot be used The specified owner does not exist or cannot be used The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode The family name was not specified The specified community does not exist or cannot be used The specified property is invalid; Name = {0}, Value = {1} The specified value for the parameter {0} is too large (Limit is {1}) The specified value for one or more parameters is too large The specified time zone does not exist or cannot be used The specified address is invalid An entity with the specified address already exists No such address The type of address has a suffix beyond the configured range of the system The type of the address is invalid The scheme of the address is invalid The values {0} are mastered in the external directory. These are read only entries.	The specified external contact was not updated	Specify a valid value Specify another value Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed Perform the operation/changes in external directory.

Table 3–26 (Cont.) User Directory Services

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00753	An error occurred during external contact deletion	WARNING	No such entity The external contact was not specified or cannot be used A external contact mastered in an external directory must be deleted in the external directory A newer version of the specified entity exists in the system The operation cannot be performed while running in external directory mode The operation is valid only in external directory mode	The specified external contact was not deleted	Specify a valid value Specify another value Refresh the entity and retry the operation Either the operation cannot be performed with the current configuration, or the mode of directory service has to be changed
BEEU-00754	An error occurred during external contact loading	WARNING	No such entity The external contact was not specified or cannot be used	The specified external contact was not loaded	Specify a valid value
BEEU-00755	An error occurred during external contact purge	WARNING	No such entity The external contact was not specified or cannot be used The specified external contact has not been deleted and cannot be purged The entity cannot be purged	The specified external contact was not purged	Specify a valid value Try again later. If the problem persists, contact your system administrator
BEEU-00756	An error occurred while listing external contacts	WARNING	A projection was not specified or cannot be used	The external contacts could not be listed	Specify a valid value

Virus Scanner Error Codes

The following table lists error codes for Virus Scanner.

Table 3–27   Virus Scanner

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-03001	Request sent to the virus scan engine is not a valid one.	WARNING	Error parsing request sent to the scan engine running at {0}:{1} due to syntax or other errors. The operation requested is not a valid one. The service requested does not correspond to an available service on the scan engine running at {0}:{1}. ICAP version, {0}, used to communicate with the virus scan engine running at {1}:{2} is not a supported one.	Unable to service request made to the virus scan engine at {0}:{1}.	Verify the configuration settings on the virus scan engine, {0}:{1}. Verify the request being sent to the scan engine. Verify the Beehive configuration settings for the virus scan engine, {0}:{1}. Verify that the file {0} exists and is readable by the virus scan engine at {1}:{2}
BEEC-03002	Unable to scan for viruses due to a configuration error on the virus scan engine.	WARNING	License on virus scan engine running at {0}:{1} is not valid.	Unable to service any requests made to the virus scan engine at {0}:{1}.	Verify that the license on the virus scan engine, {0}:{1}, is valid.
BEES-03003	Unable to scan for viruses due to an I/O error.	WARNING	IO error encountered during scan of {0}. Request was made to engine, {1}:{2}. IO error encountered during communication with the virus scan engine running at {0}:{1}. Generic IO error. Unable to read input to be scanned {0} .	Unable to service scan request made to the virus scan engine at {0}:{1}.	Verify that the virus scan engine configured to be running at {1}:{2} is up and that there are no network connectivity issues between the Beehive middle tier and the scan engine. Additionally, verify that the input {0} exists and is readable by the virus scan engine. Check the system permissions on the file or directory {0}.
BEES-03004	Unable to remove viruses due to an I/O error.	WARNING	IO error encountered during repair of {0}. Request was made to engine, {1}:{2}. Unable to read input to be scanned {0} . Output file {0} not writable. Generic IO error. IO error encountered during communication with the virus scan engine running at {0}:{1}.	Unable to service repair request made to the virus scan engine at {0}:{1}.	Verify that the virus scan engine configured to be running at {1}:{2} is up and that there are no network connectivity issues between the Beehive middle tier and the scan engine. Additionally, verify that the input {0} exists and is readable by the virus scan engine. If the request type specifies that the repairs need to be written to a file on disk, ensure that the scan engine has permission to write to disk. Check the system permissions on the file or directory {0}.

Table 3–27   (Cont.)   Virus Scanner

Message ID	Display Name	Severity	Cause	Effect	Action
BEEC-03005	Unable to repair content of viruses due to a configuration error on the virus scan engine.	WARNING	License on virus scan engine running at {0}:{1} is not valid.	Unable to service any requests made to the virus scan engine at {0}:{1}.	Verify that the license on the virus scan engine, {0}:{1}, is valid.
BEES-03006	Response returned by the virus scan engine is not a valid/expected one.	WARNING	Response returned by the virus scan engine running at {0}:{1} is not a valid/expected one. Response returned by the virus scan engine running at {0}:{1} cannot be parsed.	Unable to service request made to the virus scan engine at {0}:{1}.	Verify the configuration settings on the virus scan engine, {0}:{1}.
BEES-03007	Unable to contact virus scan engine.	WARNING	IO error encountered during communication with the virus scan engine running at {0}:{1}. Unable to contact virus scan engine running on host: {0}. Unable to resolve the hostname, {0}, for the virus scan engine. Generic IO error.	Unable to service request made to the virus scan engine at {0}:{1}.	Verify that the virus scan engine configured to be running at {0}:{1} is up and that there are no network connectivity issues between the Beehive middle tier and the scan engine. Verify that the virus scan engine host and port configuration values in Beehive, which are currently set to {0} and {1} respectively, are correct. VIR_ CHECK_SERVER_ NETWORKING_ ACTION Check to see if the virus scan engine on host {0} has been started.
BEES-03008	Unable to retrieve virus definition information from the virus scan engine.	WARNING	Error parsing virus definition information, {0}, returned by the scan engine running at {1}:{2}. Virus definition information is missing from response, {0}, returned by the scan engine running at {1}:{2}.	Unable to service request made to the virus scan engine at {0}:{1}.	Verify the configuration settings on the virus scan engine, {0}:{1}.
BEES-03009	Unable to retrieve capabilities information from the virus scan engine.	WARNING	IO error encountered during communication with the virus scan engine running at {0}:{1}.	Unable to service request made to the virus scan engine at {0}:{1}.	Verify the configuration settings on the virus scan engine, {0}:{1}.
BEES-03010	Virus scan engine cannot process request due to errors on the server where the engine is running.	WARNING	Scan engine at {0}:{1} has a memory or disk error. Scan engine at {0}:{1} has a encountered an internal error.	Unable to service request made to the virus scan engine at {0}:{1}.	Check the logs for the scan engine at {0}:{1} to determine the error. Ensure that there is sufficient disk and memory available on the scan engine server, {0}:{1}, to process requests.

Table 3–27   (Cont.)   Virus Scanner

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-03011	Virus scan engine has encountered an error processing request.	WARNING	Virus scan engine, {0}:{1}, is unable to process request.	Unable to service request made to the virus scan engine at {0}:{1}.	Verify connectivity, configuration, and resource availability on the virus scan engine server, {0}:{1}.
BEES-03012	Error encountered when manipulating/querying virus scan related data.	WARNING	Data manipulation/query of {0} failed due to {1}.	Unable to service request to manipulate/query data in {0}.	Check the error and take appropriate action, including and not limited to verification of request.
BEEC-03013	Beehive configuration settings disallow this request.	WARNING	Beehive configuration setting for the VirusScanPolicy is set to {0}. This disallows the request to {1}.	Unable to service request made to the virus scan engine at {0}:{1}.	Beehive configuration for the VirusScanPolicy needs to be set to either SCAN_ONLY or SCAN_AND_REPAIR in order to proceed with your request.
BEEC-03014	No virus scan engine found in the Beehive configuration system.	WARNING	Beehive configuration does not have any virus scan engines configured for use.	Unable to service your scan/repair request.	Verify the Beehive configuration settings and ensure that there is at least one virus scan engine configured. Also verify that the VirusScanPolicy is set to either SCAN_ONLY or SCAN_AND_REPAIR.
BEES-03015	None of the virus scan engines are available at this time.	WARNING	Unable to connect to any of the virus scan engines configured in the Beehive configuration system.	Unable to service your scan/repair request.	Verify that at least one of the virus scan engines configured for use is up and that there are no network connectivity issues between the Beehive middle tier and the scan engine.

Web Conferencing Streaming Media Error Codes

The following table lists error codes for Web Conferencing Streaming Media.

Table 3–28   Web Conferencing Streaming Media

Message ID	Display Name	Severity	Cause	Effect	Action
BEEC-03301	Failed to listen on the configured port.	SEVERE	Configured listen port was already in use or the user did not have permission to listen on this port.	Service is down.	Configure the listen port to a different value and restart the service.
BEEZ-03302	Failed to authenticate the user.	INFO	User provided invalid username/password.	User cannot access the requested conference	User must use proper username and password to access the conference
BEEZ-03303	Failed to authorize the user	WARNING	User not authorized to access this conference	User cannot access the requested conference	User must be a valid user in the system authorized to access the conference. Contact system administrator for authorization.
BEEU-03304	Conference does not exist.	WARNING	Either user requested a wrong conference id or the requested conference has been invalidated in the system.	User cannot access the requested conference.	User must use a valid conference identifier which is either running on the system or request the system administrator for authorization approval.
BEER-03305	Client abruptly got disconnected.	WARNING	Network error occurred resulting in a low bandwidth.	User was interrupted while connected to the service.	Player will retry to connect to the same conference without user intervention. User might need to seek to a particular position in the timeline in case of recorded conference or (s)he might see no frills after reconnection in case of live conference.
BEES-03306	Connection to MediaSession was lost.	SEVERE	An internal error occurred in WebConferencing service.	User will be disconnected from the service.	User needs to reconnect for the same conference.
BEEP-03307	The server is busy.	SEVERE	The server has already reached the maximum limit on number of clients it can serve at this moment.	User was not served.	User should try after sometime.

Web Conferencing Transcoding Error Codes

The following table lists error codes for Web Conferencing Transcoding.

Table 3–29   Web Conferencing Transcoding

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-03401	Transcoding failed.	SEVERE	An error occurred while transcoding a conference.	Transcoding for a particular conference did not complete.	None. The service will pick up this task again in sometime.
BEEC-03402	Transcoding for a conference timed out.	SEVERE	Transcoding failed because of time-out.	Transcoding for a particular conference could not be completed in the timeout duration.	None. Contact system administrator for increasing the timeout duration if these failure are coming more often.

Web Conferencing Error Codes

The following table lists error codes for Web Conferencing.

Table 3–30   Web Conferencing

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00400	Failed to create Conference Artifact.	SEVERE	Invalid parameters specified. Invalid Conference Property name or value specified. Invalid Conference Role name. Invalid Conference Role accessor specified.		
BEEU-00401	Failed to create Conference Template.	SEVERE	Invalid parameters specified. Invalid Conference Property name or value specified. Invalid Conference Role name. Invalid Conference Role accessor specified.		
BEEU-00402	WC_CONFERENCE_ UPDATE_FAILED	SEVERE	Invalid parameters specified. Invalid Conference Property name or value specified. Invalid Conference Role name. Invalid Conference Role accessor specified. Failed to update entity because it was modified by another user.		
BEEU-00403	WC_TEMPLATE_ UPDATE_FAILED	SEVERE	Invalid parameters specified. Invalid Conference Property name or value specified. Invalid Conference Role name. Invalid Conference Role accessor specified. Failed to update entity because it was modified by another user.		

Table 3–30   (Cont.)   Web Conferencing

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-00404	Failed to load Conference Artifact.	SEVERE	Invalid parameters specified.		Verify the parameters.
BEES-00405	Failed to join to the Conference.	SEVERE	Invalid parameters specified. All servers are busy or system malfunction occurred. Request to join the Conference didn't complete within a given timeframe and was canceled by the server.	User failed to join the Conference session.	Verify the parameters. Retry to join to the Conference or contact your system administrator. Contact your system administrator.
BEEU-00406	Failed to join the Conference due to insufficient privileges to start the new Conference session.	WARNING	User is not granted with the privilege to start the Conference session.	User failed to join the Conference session.	Wait for host or other authorized user to start the Conference session.

Workflow Service Error Codes

The following table lists error codes for Workflow Service.

Table 3–31   Workflow Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEC-02901	Invalid BPEL Cluster found in the Workflow service configuration. The cluster has {0} BPEL Process Managers in it.	FINE	Invalid BPEL Cluster found in the Workflow service configuration. The cluster has {0} BPEL Process Managers in it.		
BEEC-02902	Invalid or Unsupported BPEL Process Manager found in the BPEL Cluster.	FINE	Invalid or Unsupported BPEL Process Manager found in the BPEL Cluster.		
BEEC-02903	Unable to establish connection with the BPEL Process Manager/Cluster''s domain {0} using properties {1}.	FINE	Unable to establish connection with the BPEL Process Manager/Cluster''s domain {0} using properties {1}.		
BEEU-02911	A null value is provided for mandatory attribute/parameter {0}. Please provide a non-null value.	FINE	A null value is provided for mandatory attribute/parameter {0}. Please provide a non-null value.		
BEEU-02912	An error occurred during the processing of the attributes. This is typically due to incorrect data types/values.	FINE	An error occurred during the processing of the attributes. This is typically due to incorrect data types/values.		

Table 3–31   (Cont.)   Workflow Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-02913	Unable to initiate a Workflow with name {0} and parameters{1} due to an internal workflow engine error. Please contact the administrator for more information.	FINE	Unable to initiate a Workflow with name {0} and parameters{1} due to an internal workflow engine error. Please contact the administrator for more information.		
BEEU-02914	Unable to cancel Workflow with id {0} due to an internal error. Please contact the administrator for more information.	FINE	Unable to cancel Workflow with id {0} due to an internal error. Please contact the administrator for more information.		
BEEU-02915	Unable to create a workflow schema with the name {0} as a workflow schema with the same name already exists. Please use a different name.	FINE	Unable to create a workflow schema with the name {0} as a workflow schema with the same name already exists. Please use a different name.		
BEEU-02916	Cannot override a workflow template marked as 'final' in the parent folder.	FINE	Cannot override a workflow template marked as 'final' in the parent folder.		
BEEU-02917	Unable to create a workflow entity with the same {0}.	FINE	Entity with eid {0} does not exist.		
BEEU-02918	Entity with eid {0} does not exist.	FINE	Entity with eid {0} does not exist.	The requested operation cannot be performed.	Re-try the operation with valid Collab Id.
BEEU-02919	Workflow template with such scope key exists.	FINE	Workflow template with such scope key exists.		
BEER-02931	An internal DB Exception occurred. Please re-try the operation or contact administrator for assistance.	FINE	An internal DB Exception occurred. Please re-try the operation or contact administrator for assistance.		
BEER-02932	BPEL Workflow Service is currently unavailable. You will not be able to initiate or cancel workflows. Please try again later. If the problem persists, please contact the administrator.	FINE	BPEL Workflow Service is currently unavailable. You will not be able to initiate or cancel workflows. Please try again later. If the problem persists, please contact the administrator.		
BEER-02933	Unable to obtain a Database Connection.	FINE	Unable to obtain a Database Connection.		
BEEZ-02941	WKFL_ACCESS_ DENIED	FINE	WKFL_ACCESS_ DENIED		

Workspaces Error Codes

The following table lists error codes for Workspaces.

Table 3–32   Workspaces

Message ID	Display Name	Severity	Cause	Effect	Action
BEES-06000	Unexpected error.	SEVERE	An unexpected internal error occurred.	The requested operation cannot be performed	Contact system administrator.
BEEU-06001	Entity not found.	WARNING	The specified entity was not found. The specified parent entity not found. The specified target entity not found. No common parent entity exists for the specified entities.	Verify the Entity specified.	Retry the operation with a valid entity. Retry the operation with a valid entity. Retry the operation with a valid entity. Retry the operation with a set of entities that have a common parent.
BEEU-06002	Failed to perform the operation.	WARNING	Optimistic locking verification failed as the specified snapshot id does not match the server snapshot id.	The requested operation cannot be performed on the entity.	Reload the entity to be updated and then re-try.
BEEU-06003	Entity not checked out.	WARNING	The requested operation is not allowed on a entity that is not checked out.	The requested operation cannot be performed.	Checkout the entity and re-try the operation.
BEEU-06004	Deleted entity.	WARNING	The requested operation is not allowed on a deleted entity.	The requested operation cannot be performed.	Undelete the entity and re-try the operation.
BEEU-06005	Locked entity.	WARNING	The requested operation is not allowed on a locked entity.	The requested operation cannot be performed.	Unlock the entity and re-try the operation.
BEEU-06006	Duplicate entity.	WARNING	The specified entity identifier already exists.	The requested operation cannot be performed.	Specify a different entity identifier and re-try the operation.
BEEU-06007	Duplicate entity name.	WARNING	the specified entity name already exists.	The requested operation cannot be performed.	Specify a different entity name and re-try the operation.
BEEU-06008	Quota overflow.	WARNING	The hard quota limit for this scope has been exceeded.	The requested operation cannot be performed.	Get your quota increased!

Table 3–32   (Cont.)   Workspaces

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06009	Invalid Quota configuration.	WARNING	Invalid Quota configuration. Zero or negative quota values were specified. Soft quota value provided is greater than hard quota value. Specified quota configuration violates parent quota configuration. Specified quota configuration invalidates current children quota configuration.	Quota configuration update cannot be performed.	Review the specified quota configuration to make it comply with the quota configuration and status of the parent Scope. Review the specified quota configuration to make it comply with the quota configuration and status of the parent Scope. Review the specified quota configuration to make it comply with the quota configuration and status of the parent Scope. Review the specified quota configuration to make it comply with the quota configuration and status of the parent Scope. Review the specified quota configuration to make it comply with the quota configuration and status of the parent Scope.
BEEU-06010	INBOX update failed.	WARNING	The name of this folder is invalid.	INBOX will not be updated.	Folder name must be INBOX.
BEEU-06011	Cannot delete workspace default folder.	WARNING	Folder being deleted is a default workspace folder required by other services.	The specified folder will not be deleted.	Change the default workspace folder for that service to another folder and then re-try the delete operation.
BEEU-06012	Cannot move workspace default folder across scopes.	WARNING	Folder being moved is a default workspace folder required by other services.	The specified folder will not be moved.	Change the default workspace folder for that service to another folder and then re-try the move operation.
BEEU-06013	getElementModifications failed.	WARNING	The container snapshot id specified is too old to compute the list of modified elements.	Container modifications will not be retrieved.	Reload the whole container.
BEEU-06014	Copy was not complete.	WARNING	One or more of the contained items could not be copied because an error occurred.	Some of the items of the specified container will not be copied into the destination.	Manually copy the failed items after having reviewed and fixed the reason of their failure.

Table 3–32   (Cont.)   Workspaces

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06015	Update of team workspace participants failed.	WARNING	Team workspace participant list could not be updated because an error occurred. Team workspace participation mode does not allow for self-joining. Team workspace participant list could not be updated because a null participant was provided. Team workspace owner cannot be removed from the participant list. Cannot update the role of accessor who is not a team workspace participant. Cannot remove all accessors granted Workspace Coordinator role.	Team workspace participant list will not be updated.	Re-try the update of team workspace participants after having removed the problem encountered. Re-try the update of team workspace participants after having removed the problem encountered. Re-try the update of team workspace participants after having removed the problem encountered. Re-try the update of team workspace participants after having removed the problem encountered. Re-try the update of team workspace participants after having removed the problem encountered. Re-try the update of team workspace participants after having removed the problem encountered.
BEEU-06016	Non deleted entity.	WARNING	Cannot undelete an entity which is not deleted.	The requested operation cannot be performed.	Move the entity to the new destination.
BEEU-06017	Entity is checked out.	WARNING	The requested operation is not allowed on a entity that is checked out.	The requested operation cannot be performed.	Re-try the operation once the entity is not checked out.
BEEU-06018	Operation could not be performed.	WARNING	Another operation is being performed on the resource.	The result of this operation will not be available.	Please try again later.
BEEU-06019	Operation could not be performed.	WARNING	The resource has moved.	The result of this operation will not be available.	Please try again later.

Table 3–32   (Cont.)   Workspaces

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06050	Invalid parameter.	WARNING	An invalid value was specified for parameter {0}. An invalid null value was specified for parameter {0}. An invalid empty value was specified for parameter {0}. String parameter {0} does not allow one or more characters as {1}. The length of string parameter {0} is too long. Only Workspace.DIRECTORY projection is allowed when finding workspaces. Workspace default sensitivity cannot be specified in workspace create calls. The default sensitivity specified belongs to a different workspace. Unsupported ConflictResolutionMode for this operation. Transfer delay must be >= 0. Need to set defaultProjection or all of the individual projections. Both FolderListFilter and DocumentListFilter cannot be null. ContentUpdater within DocumentUpdater must be of type IdentifiableSimpleContentUpdater. Expected handle to either a PersonalWorkspace or TeamWorkspace. Unsupported ListFilter type specified in the ArtifactListProjection. {0}: The specified start date is later than the end date. {0}: Missing or illegal character following the escape character, expecting only "%" or "_" Entity cannot be undeleted because name or location is invalid. Entity cannot be undeleted to the parent type specified. Entity cannot be moved to the destination specified. Entity cannot be copied to the destination specified. Entity cannot be moved outside of scope. Invalid predicate specified in list filter. Invalid DbStatus	The operation will not be performed.	Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Specify a valid value for the offending parameter and re-try the operation. Either do not specify a new parent or specify a valid parent type for the undelete operation and re-try. Choose a destination

Table 3–32   (Cont.)   Workspaces

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06051	Invalid operation on a hierarchical configuration.	WARNING	Versioning operations are prohibited in this container. The {0} configuration does not exist. A {0} configuration is already defined on this container. An existing ancestor {0} configuration is marked as final. Cannot mark as final when subcontainer has a {0} configuration defined. Cannot remove the default {0} configuration from an enterprise. Configuration update with these values would leave it in an invalid state. Container move failed because it would modify a {0} configuration marked as final.	The operation has failed due to a {0} configuration error.	Versioning operations are prohibited in this container. Specify a valid {0} configuration. Either update the existing {0} configuration or delete it and then create a new one. Mark the final {0} configuration as non-final and retry, or abort creation of the new configuration. Create or update the {0} configuration as non-final, or delete all {0} configurations on subcontainers. Update the enterprise {0} configuration instead of removing it. Ensure that the updated values of the {0} configuration are all valid. Remove the {0} configuration from the container to move, or mark the configuration in the destination as non-final.
BEEU-06052	The operation caused a naming conflict with another entity.	WARNING	A document already exists in this folder with the specified name; aborting due to the chosen conflict resolution mode.	The operation has not completed due to the conflict.	Choose a different name or a different conflict resolution mode.
BEEU-06053	A pending change conflict has occurred.	WARNING	The operation is in conflict with another pending change to this entity.	The operation has not completed due to the conflict.	Retry the operation or change the name of the document.
BEEU-06054	A error has occurred with the OperationContext.	WARNING	The OperationContext either does not exist or is not valid for this operation type. The OperationContext exists but is outdated since a conflicting operation has committed.	The operation has not completed due to the error.	Retry the operation with a valid OperationContext. Cancel the operation and try again.
BEEU-06055	Mandatory categories cannot be removed from an entity.	WARNING	The specified category was defined as a mandatory category in the effective category configuration for the parent container of the entity.	The specified category will not be removed from the specified entity.	Ensure that the category to be removed from the entity is not specified as being required in the effective category configuration for the parent container of the entity.

Table 3–32   (Cont.)   Workspaces

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06056	The specified category is not in the list of available categories of the effective category configuration of the entity.	WARNING	The specified category was not in the list of available categories as configured in the effective category configuration of the entity being categorized.	The specified category will not be applied to the specified entity.	Ensure that the category to be applied to the entity is in the list of available categories of the effective category configuration of the entity being categorized.
BEEU-06057	The delete of the directory failed.	WARNING	The directory cannot be deleted because document(s) imported from it to Beehive still remain.	The directory will continue to exist in Beehive.	Refrain from deleting the directory unless all documents imported from it in Beehive are first purged.
BEEU-06058	The update of the version failed.	WARNING	A version cannot be updated if it represents the working copy.	The version will not be updated.	Check the working copy in, and then update the version.
BEEU-06059	Invalid lock type specified	WARNING	Locking an entity with the given lock type is not allowed.	The requested operation cannot be performed.	Re-try with a different lock type.
BEEU-06060	Locked entity.	WARNING	Entity is locked with a Workflow lock.	The requested operation cannot be performed.	Wait until workflow is completed and re-try operation.
BEEU-06061	Recordized entity.	WARNING	Entity is recordized.	The requested operation cannot be performed.	Operation permitted only once entity is un-recordized.

Workspaces Templates Error Codes

The following table lists error codes for Workspaces Templates.

Table 3–33   Workspaces Templates

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06200	Invalid workspace sub-group reference in template	WARNING	The specified template body id does not refer to a workspace sub-group template body ID.	The dependent entity will not be created. For example, if the reference is for a task participant, the task will not be created.	Specify a valid workspace sub-group template body ID.
BEEU-06201	Unsupported file parent in template	WARNING	A container other than a heterogeneous folder is specified as the parent of the file.	The file will not be created.	Specify a heterogeneous folder as the parent of the file.
BEEU-06202	Unsupported calendar parent in template	WARNING	A container other than a workspace is specified as the parent of the calendar.	The calendar will not be created.	Specify a workspace as the parent of the calendar.
BEEU-06203	Unsupported task list parent in template	WARNING	A container other than a workspace is specified as the parent of the task list.	The task list will not be created.	Specify a workspace as the parent of the task list.

Table 3–33   (Cont.)   Workspaces Templates

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06204	failed to store workspace-to-default folder mapping	WARNING	Attempt to store mapping between a workspace and a default folder (e.g., INBOX) in database failed with the following error : {0}	The default folder will not be functional, e.g., emails may not be delivered to INBOX folder.	Contact system administrator. Additional information may be available in log files.
BEEU-06205	Current actor's identifier is null	WARNING	Attempt to retrieve current actor for user context failed.	Current operation was terminated.	Contact Oracle support.
BEEU-06206	workspace template creation failed	WARNING	The following error was encountered during workspace template creation: {0}	The workspace template was not created.	Retry after correcting the error.Ask system administrator to check additional information about the underlying error printed out in log file.
BEEU-06207	workspace template deletion failed	WARNING	The following error was encountered during workspace template deletion: {0}	The workspace template was not deleted.	Retry after correcting the error.Ask system administrator to check additional information about the underlying error printed out in log file.
BEEU-06208	workspace template retrieval failed	WARNING	The following error was encountered during workspace template retrieval: {0}	The workspace template was not retrieved.	Retry after correcting the error.Ask system administrator to check additional information about the underlying error printed out in log file.
BEEU-06209	workspace template update failed	WARNING	The following error was encountered while updating workspace template: {0}	The workspace template was not updated.	Retry after correcting the error.Ask system administrator to check additional information about the underlying error printed out in log file.
BEEU-06210	syntax error encountered in workspace template	WARNING	Syntax error at line {0}, column {1} : {2}	The workspace template was not created.	Retry after correcting the syntax error.
BEEU-06211	syntax error in workspace summary URI specified in workspace template	WARNING	The following syntax error was encountered in summary URI: {0}	The workspace was not created	Retry after correcting the syntax error.Ask system administrator to check additional information about the error printed out in log file.
BEEU-06212	failed to store template-to-entity mapping	WARNING	Attempt to store mapping between a template and a an entity created from it failed with the following error : {0}	The entity was not created.	Contact system administrator. Additional information may be available in log files.
BEEU-06213	failed to unmarshall template	WARNING	Attempt to unmarshall template failed with the following exception: {0}	The template was not unmarshalled.	Contact system administrator. Additional information may be available in log files.

Table 3–33   (Cont.)   Workspaces Templates

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-06214	failed to retrieve workspace template XML schema	WARNING	Attempt to retrieve workspace template XML schema failed with the following exception: {0}	The workspace template XML schema was not retrieved.	Contact system administrator. Additional information may be available in log files.
BEEU-06215	the operation was partially successful	WARNING	Some of the steps executed during the operation failed.	Not all intended results of the operation will be available. For example, if the intended result of the operation was to create an entity, the entity may not be fully functional.	Contact system administrator. The details of exceptions encountered during the operation are printed out in log files.
BEEU-06216	a sub-operation failed causing partial success of the overall operation	WARNING	The following sub-operation failed causing partial success of the overall operation: {0}	The result of this sub-operation will not be available after the completion of the overall operation.	See nested exception for the cause of failure of this sub-operation.
BEEU-06217	Duplicate name	WARNING	An entity with the give name is reserved by some other user.	Cannot create the document/folder with the given name.	Please choose a different name.
BEEU-06218	Values for one or more mandatory attributes for Categories or Workflow are missing.	WARNING	Attribute values mandated by the prevalent Category or Workflow configuration were not provided.	The content services specific operation cannot proceed until all mandatory values are provided.	Ensure all mandatory attribute values are provided when invoking the content operation.
BEEU-06219	The specified category parent predicate is invalid. Allowed values for the parent predicate are enterprise or other categories.	WARNING	The specified category parent predicate is invalid. Allowed values for the parent predicate are enterprise or other categories.	The category listing cannot be filtered based on the invalid parent predicate.	Ensure category parent predicate is valid.

XMPP Protocol Service Error Codes

The following table lists error codes for XMPP Protocol Service.

Table 3–34   XMPP Protocol Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-02801	XMPP: Error in stream sent by client	SEVERE	XMPP: Error in stream,Invalid XML	XMPP: You have been disconnected	XMPP: Please Log-in again.
BEES-02804	XMPP: Error caused by other services	WARNING	XMPP: Exception thrown by other services e.g UDS,AUTH	XMPP: Requested operation couldn't be performed	XMPP: Contact Administrator for this error.
BEES-02805	XMPP: Internal server error	SEVERE	XMPP: internal server error,cause by some unexpected exception	XMPP: You have been disconnected.	XMPP: Please Log-in again.

Table 3–34   (Cont.)   XMPP Protocol Service

Message ID	Display Name	Severity	Cause	Effect	Action
BEEU-02806	XMPP: Recoverable error caused by erroneous XMPP MESSAGE packet sent by client	WARNING	XMPP: Some harmless erroneous tags/data in MESSAGE packet or packet is not RFC compliant	XMPP: Received MESSAGE packet had some erroneous data, ignoring the packet.	XMPP: To send the ignored packet again, correct it first and then repeat the operation.
BEEU-02807	XMPP: Recoverable error caused by erroneous XMPP IQ packet sent by client	WARNING	XMPP: Some harmless erroneous tags/data in IQ packet or packet is not RFC compliant	XMPP: Received IQ packet had some erroneous data, ignoring the packet.	XMPP: To send the ignored packet again, correct it first and then repeat the operation.
BEEU-02808	XMPP: Recoverable error caused by erroneous XMPP PRESENCE packet sent by client	WARNING	XMPP: Some harmless erroneous tags/data in PRESENCE packet or packet is not RFC compliant	XMPP: Received PRESENCE packet had some erroneous data, ignoring the packet.	XMPP: To send the ignored packet again, correct it first and then repeat the operation.

4

Oracle Beehive Property Reference

This module contains the following topics:

- Introduction to Oracle Beehive Properties
- Component Properties

Introduction to Oracle Beehive Properties

This section contains the following topics:

- Common Oracle Beehive Component Management Commands
- Managing Oracle Beehive Component Properties
- Properties Described in This Module
- Common Properties
- Common Properties for ServiceInstances

Common Oracle Beehive Component Management Commands

Table 4–1, " Component Management beectl Commands" lists `beectl` commands you are likely to use when managing Oracle Beehive components.

Note: For complete descriptions and syntax for these `beectl` commands, see Chapter 2, "Oracle Beehive Command Line Utility".

Table 4–1   Component Management beectl Commands

Command	Description
list_components	Lists the components in the configuration repository
list_connection_pools	Lists available connection pools in the system
list_properties	Fetches the value of the given property name for the given component ID. If property name is not specified then all the properties are listed
list_ports	Lists all ports in use (by the current Oracle Beehive server), including which component and property is using the port, and the protocol in use by that port

Table 4–1   (Cont.)   Component Management beectl Commands

Command	Description
modify_port	Changes the port through which a service communicates. You must specify the protocol. If your port change affects a privileged port, you must take the additional steps in "Modifying Oracle Beehive Ports using Privileged Port Numbers" on page 4-7 when using this command
list_property_metadata	Lists the metadata about all the properties of a component
modify_property	Updates the value(s) for the named property for the component identified by --component. Multiple values can be set for one property
modify_secure_property	Updates the sensitive property of the object identified by the --component
list_statistics	Lists collected statistical information about the functioning of a given type of component
delete_property	Clears the value of specified property in the configuration object identified by specified ID

Managing Oracle Beehive Component Properties

This section describes beectl commands that are used for managing component parameters.

This section contains the following topics:

- Modifying Oracle Beehive Component Properties
- Exporting Configuration Data
- Modifying Oracle Beehive Ports using Privileged Port Numbers

Modifying Oracle Beehive Component Properties

Many Oracle Beehive components have lists of associated properties which are not directly exposed in an beectl command. Instead, you can set them by using the following common commands.

A subset of components are services. Each of the Oracle Beehive services has a system defined alias. The system defined alias is a unique name that you can use with most commands to identify a service for the purposes of configuration. All of the system defined aliases for Oracle Beehive services begin with an underscore character (_). For example, the E-Mail Service has a system defined alias of _EmailService.

In some cases, you may see a property which is itself used to contain properties (sub-properties). You can use the beectl list_properties command with the alias of the service or the name of the component and the name of such a property, with a colon character between them, to list the sub-properties.

For example, the E-mail Service has a property called "SMTPProperties". You can list its properties by using the beectl list_properties command:

```
beectl> list_properties --component _EmailService:SMTPProperties
```

You can review the names of all Oracle Beehive components by using the beectl list_components command:

```
beectl> list_components
```

All of the Oracle Beehive components are listed.

For each service, prepend an underscore to the Component Type to get the service system alias. For example, the Component Type "EmailService" has a system alias of `_EmailService`.

> **Notes:**
>
> The `list_properties` command works on any Oracle Beehive system object. The `--component` value is case-insensitive, and will take as valid any identifier of a system object, any system object alias, or any user-defined alias.
>
> User-defined aliases are modifiable properties of any system object, with the property name of `Alias`. Generally in Oracle Beehive documentation the system defined alias or component ID is used in examples, but you may always substitute a user defined alias in the `--component` of a `beectl` command

To set a property using `beectl`, use the following procedure:

1. Use the `beectl list_properties` command to get the list of all properties for the component you want to configure. Each property is listed by name, along with its current value:

   ```
   beectl> list_properties --component _EmailService:SMTPProperties
   ```

   In this example, the name of the E-Mail Service SMTP component is entered, with the E-mail Service system alias, to get properties for the SMTP Server component.

2. Use the `beectl modify_property` or `delete_property` commands to make the desired change to the property you specify:

   ```
   beectl> modify_property --component _EmailService:SMTPProperties --name
   <property_name> --value <new value>
   ```

   In this example, the value of an SMTP Server property is modified to a new value.

   > **Caution:** If you are changing any port number to a privileged port (a port number below 1024) on a UNIX or Linux installation, you must first perform a special procedure, and then change the port. First follow the special procedure in "Modifying Oracle Beehive Ports using Privileged Port Numbers" on page 4-7, and then follow the procedure below to change the port.

3. Whenever you change a property in Oracle Beehive, you are making an alteration to the proposed configuration. You must activate a proposed configuration before changes you have made are actually applied to the running Oracle Beehive deployment. When you are done making configuration changes, activate the proposed configuration using the `beectl activate_configuration` command:

   ```
   beectl> activate_configuration
   ```

   This command saves your proposed configuration, performs a background validation of the configuration, and then activates it.

> **Notes:**
>
> - You can also append the `--activate_configuration` option to any `beectl` command, causing the system to perform these steps automatically on command completion
>
> - You can review information about various proposed and applied system configurations by using the `beectl list_configuration_versions` command

4. If you modify any of the properties in Table 4–2, " Properties Requiring beectl modify_local_configuration_files when changed" on page 4-4, you must also run the `beectl modify_local_configuration_files` command.

5. In the following cases, you must also restart a service, component, or the entire deployment, using the `beectl restart` command:

   - Changing the database connection pool requires a full restart of Oracle Beehive **(bug 6335906)**

   - Changing the Instant Message Service's `XmppPort` or `XmppSslPort` properties requires that you restart the affected component

   - Changing the `DeliveryPoolSize` parameter of the Message Delivery Service requires you to restart all affected Message Delivery Service instances

   > **See also:**   For a reference on using the `beectl` command-line interface, see Chapter 2, "Oracle Beehive Command Line Utility."

Table 4–2   Properties Requiring beectl modify_local_configuration_files when changed

Component	Property
AuthenticationService	SsoType
	SsoLogoutUrl
	UseJazn
	WnaEnabled
	WnaKeytab
	WnaPrincipal
	OssoConfigFile
	AuthStoreType
	SsoType
	LoginAttempts
	LockoutTime
	UseSecureCookie
	WsSecuritySamlEnabled
	WsSecuritySigKeyAlias
	WsSecuritySigKeyPwd
	WsSecurityExpiry

Table 4–2   (Cont.)   Properties Requiring beectl modify_local_configuration_files when

Component	Property
BeehiveInstance	LogBaseDir
	WalletDir
	WalletPassword
	KeystoreFile
	KeyStoreFilePassword
BpelCluster	TaskAdministratorPassword
Bti	ControlPort (CtrlPort)
	Status
	StartJavaExecutionArguments
	StopJavaExecutionArguments
Database	ConnectDescriptor
	XaServiceNames
	OnsNodeConfiguration
Database.AccessSchema	UserName
	Password
Database.ConnectionPool	ConnectionProperties
	MaxConnections
	MinConnections
	InitialConnections
	MaxStatementsLimit
	ConnectTimeout
	InactivityTimeout
	TimeToLiveTimeout
	AbandonedConnectionTimeout
	PropertyCheckInterval
	ConnectionWaitTimeout
	LowerThresholdLimit
HttpServer	HttpSslListenPort
	HttpListenPort
	OsUser
	OsGroup
	Timeout
	ServerAdmin
	MaxClients
	ServerRoot
	DocRootLimitExcept
	KeepAliveTimeout
	SSLLogLevel
	LogLevel
	Status

Table 4–2   (Cont.)   Properties Requiring beectl modify_local_configuration_files when

Component	Property
HttpServerCluster	HttpServerSslEnabled
	SslTerminatedByLoadBalancer
LdapServer	LdapServerHostName
	LdapServerPort
	LdapServerSslPort
	SslEnabled
	LdapServerUser
	LdapServerPassword
	UserSearchBase
	GroupSearchBase
	UserObjectClass
	GroupObjectClass
	PrimaryAuthenticationAttribute
	DirectoryType
ManagedOc4j	AdminPassword
	Status
	AjpPortMaxValue
	AjpPortMinValue
	RmiPortMaxValue
	RmiPortMinValue
	RmisPortMaxValue
	RmisPortMinValue
	JmsPortMaxValue
	JmsPortMinValue
	JGroupPortMaxValue
	JgroupPortMinValue
	StartJavaExecutionArguments
	StopJavaExecutionArguments
ManagedOc4jCluster	AjpsEnabled
	AdminPassword
	OrmisEnabled
Opmn	RequestPort
	RemotePort
	LocalPort
OpmnCluster	NotificationServerSslEnabled
	Opmns
Server	PrimaryHostName
	SipListenerIPAddress
SipContainer	SipPortMaxValue
	SipPortMinValue
	SipEnabled

Table 4–2   (Cont.)   Properties Requiring beectl modify_local_configuration_files when

Component	Property
Site	LanguagePack
	ClusteringEnabled
	SsoKeyAlias
VirtualServer	HttpPort
	HttpSslPort
	ServerName

Exporting Configuration Data

You may export the entire system model configuration data into an XML file for any given configuration version with the `beectl export_configuration_data` command.

You may provide your Oracle support representative the output from this command. This will help your representative investigate any problems with your Oracle Beehive deployment faster. You may also use the output of from this command to compare the configuration between different Oracle Beehive deployments, such as between a test and a production deployment.

> **Note:** For security reasons, secure values do not appear in the output of the `beectl export_configuration_data` command.

Modifying Oracle Beehive Ports using Privileged Port Numbers

You have the option of configuring various Oracle Beehive components to use privileged ports (ports below 1024) on UNIX and Linux based deployments. For example, the standard port for the IMAP service is port 143.

Any time you modify a port, and the new port number is a privileged port, you must perform the following procedure. Perform this procedure first, and then make the port change. You must perform this procedure when you change from a non-privileged port to a privileged port, and when you change from one privileged port to another privileged port.

If you have previously performed this procedure, you can skip to step 4:

1. From the command line, navigate to the following file:

   ```
   $ORACLE_HOME/beehive/bin/hasbind
   ```

2. Using the `sudo` command, set the owner of the file to root, and modify the permsissions on the file:

   ```
   sudo chown root hasbind
   sudo chmod a+sx hasbind
   ```

   The file should have the following permissions (the file date and group will be different):

   ```
   -rws--s--x   1 root    g900   31395 Jun 18 14:01 hasbind
   ```

3. Then create a file `/etc/cap.ora`. It must be owned by root and should be read-only for everybody except root:

   ```
   -rw----r--  1 root root 34 Jun 18 14:05 /etc/cap.ora
   ```

4. Edit the `/etc/cap.ora` file, so that it contains a single line, like the following:

```
cat /etc/cap.ora
+user <user>: bind port 25,143
```

Replace `<user>` with the software owner (the user used to install Oracle Beehive). List each privileged port you will configure an Oracle Beehive service to use, separated by commas. If you are changing from one privileged port to another privileged port, you can delete the port number that will become unused, to release it.

5. You may now configure Oracle Beehive components to use the privileged ports you have designated in the `cap.ora` file. Follow the procedure for changing ports as normal.

Properties Described in This Module

This module describes the properties for the following components:

Table 4–3 Components

Component	Properties
Common Properties: These properties are common to all components	Alias, LightweightThreadCount, LoggingProperties, ServiceApplication, ServiceInstances, Site, Status
Common Properties for ServiceInstances: These properties are common to all ServiceInstances	J2eeApplicationName, LightweightThreadPriority, Oc4j
AccessControlService	No other unique properties exist
AlarmService	DefaultExpiryTime
ApplicationImage	EarFileName, ServiceInterface
AuditService	LogonRecordDuration
AuthenticationService	AuthStoreType, AuthenticationRealm, IdMap, LockoutTime, LoginAttempts, OssoConfigFile, SAMLRegistrationMap, SsoLogoutUrl, SsoType, TokenTimeout, UseJazn, UseSecureCookie, UseSecureHash, WnaEnabled, WnaKeytab, WnaPrincipal, WsSecurityExpiry, WsSecuritySamlEnabled, WsSecuritySigKeyAlias, WsSecuritySigKeyPwd
BeeCentralService	No other unique properties exist
BeehiveControlService	No other unique properties exist
BeehiveInstance	AvailableNumberOfProcessors, AvailablePhysicalMemoryInMB, BeehiveInstanceName, Bti, DiagnosabilitySettings, HttpServer, KeystoreFile, KeystoreFilePassword, LogBaseDir, Oc4jInstances, Opmn, OracleHome, Server, WalletDir, WalletPassword
BeehiveJ2eeApplication	No other unique properties exist
BeekeeperService	No other unique properties exist
BpelCluster	DomainId, DomainPassword, ProcessManagers, TaskAdministrator, TaskAdministratorPassword
BpelProcessManager	BpelCluster
Bti	BeehiveInstance, BtiProcessPingTimeout, ClientWorker, CtrlPort, LogDir, Redirector, ServerPort, ServerWorker, StartJavaExecutionArguments, StopJavaExecutionArguments
BtiClientWorker	AdditionalExecArgs, Bti, NumberOfWorkers

Table 4–3   (Cont.) Components

Component	Properties
BtiComponent	AdditionalExecArgs
BtiGlobal	BackendSecurityMode, ClientPort, SecureClientPort
BtiRedirector	AdditionalExecArgs, Bti
BtiServerWorker	AdditionalExecArgs, Bti, NumberOfWorkers
CalDAVService	CollectionBrowsingEnabled, DefaultFutureTimePeriodInDay, DefaultPastTimePeriodInDay
ClientManagementService	DebugMode, NotificationQueueResumeThreshold, NotificationQueueSuspendThreshold, OutputFrameSize, SessionTimeout, StreamReadBufferSize, StreamWriteBufferSize, TraceEnabled
CoexistenceService	CoexistenceEnabled, ContactProperties, ExchangeConnectorProperties, FreeBusyProperties, MeetingProperties, MessageProperties, RequestSenderEnabled, TaskProperties
CoexistenceService.ContactProperties	AttachmentMaxSizeInKiloByte
CoexistenceService.ContainerSpecificProperties	AttachmentMaxSizeInKiloByte
CoexistenceService.ExchangeProperties	SmtpServerHostName, SmtpServerPort
CoexistenceService.FreeBusyProperties	FutureTimePeriodInDay, PastTimePeriodInDay
CoexistenceService.MeetingProperties	AttachmentMaxSizeInKiloByte, ImportDataFutureTimePeriodInDay, ImportDataPastTimePeriodInDay
CoexistenceService.MessageProperties	AttachmentMaxSizeInKiloByte, ImportDataFutureTimePeriodInDay, ImportDataPastTimePeriodInDay
CoexistenceService.TaskProperties	AttachmentMaxSizeInKiloByte, ImportDataFutureTimePeriodInDay, ImportDataPastTimePeriodInDay
ConferenceService	DefaultDialoutCallTimeout, DefaultParticipantCodec, DefaultSIPParticipantCodec, DefaultSipRegistrationExpiresInterval, DefaultVoiceParticipantMode, OwcHostWaitSessionTimeout, OwcLogFlushPeriod, OwcMediaHostServiceBusAddressPrefix, OwcMediaHostServiceLoadBalanceBusAddressSuffix, OwcRosterServiceBusAddressPrefix, OwcRosterServiceLoadBalanceBusAddressSuffix, OwcUseRemoteMediaSessions, SIPPSTNGatewayIPAddres, SIPPSTNGatewayPort, SipRegistrationEnabled
ConferenceSessionService	No other unique properties exist
Database	AccessSchemas, AffinityPool, AffinityServiceNames, BusinessDataServiceName, ConfigServiceName, ConnectDescriptor, DefaultAccessSchema, DefaultNonXaPool, DefaultXaPool, DiagnosabilityServiceName, EventListenerServiceName, OnsNodeConfiguration, Password, SchemaName, SearchServiceName, XaServiceNames
Database.AccessSchema	BusinessDataSupported, ConfigDataSupported, DiagnosticDataSupported, EventListenerDataSupported, Password, SearchDataSupported, UserDataSupported, UserName

Table 4–3 (Cont.) Components

Component	Properties
Database.ConnectionPool	AbandonedConnectionTimeout, ConnectTimeout, ConnectionProperties, ConnectionWaitTimeout, InactivityTimeout, InitialConnections, LowerThresholdLimit, MaxConnections, MaxRetryAttemptLimit, MaxRetryTimeLimit, MaxStatementsLimit, MinConnections, PropertyCheckInterval, ReadTimeout, TimeToLiveTimeout, ValidateConnection
DeviceManagementService	BlockedDevices, UncertifiedDeviceAllowed
DeviceManagementService.BlockedDevice	Description, DeviceId
DiagnosabilitySettings	BaseErrorCodeProperties, ContextProperties, ErrorCodeDBPersistenceEnabled, ErrorCodeDBProperties, ErrorCodeLoggingProperties, ProbeEnabled
DiagnosabilitySettings.ContextProperties	IncludeCallerStacks, PropagationEnabled
DiagnosabilitySettings.ErrorCodeProperties	ExcludedErrorCodes, IncludeStackTraces, IncludedErrorCodes, LoggingSeverity, ReportingSeverityThreshold
DiscussionsService	No other unique properties exist
EmailService	CSIProperties, CoexUserLocal, DirectoryCacheTTL, GlobalDomainName, IMAPEnabled, IMAPProperties, LocalEmailPatterns, MaxDirectoryCacheEntries, MaxMailSz, NonLocalEmailPatterns, PersistenceProperties, SMTPEnabled, SMTPProperties, SaveParseErrorEmails, SubjectSortingGroupingRules, SubjectSortingReplacementRules, TimeoutCheckingInterval, TransportProperties, WebRedirectUrl
EmailService.CSIProperties	StreamBufferSize, StreamMaxReadChunkSize, StreamMaxWriteChunkSize, StreamPreFetchSize, StreamTimeout
EmailService.EndpointProperties	EndpointName, EndpointScheme
EmailService.IMAPProperties	AssumeSingleEndpoint, CacheMessageSize, ClientKeepAliveInterval, EndpointPropertiesList, FolderCacheDirectory, FolderOpenBatchSize, FolderPollingInterval, FolderSyncBatchSize, LoginErrorThreshold, MaxFolderCacheSize, MaxSessions, MessageLoadBatchSize, ParseErrorThreshold, Port, ServerSessionConcurrency, SessionTimeout, ShowInstanceNameInBanner, StreamReadBufferSize, SurrogateAuth, TlsMandatory, UseTls
EmailService.PersistenceProperties	CopyBatchSize, DeleteBatchSize, DurableFileRoot, MaxDbConnRetry, MaxFileCacheSz, MoveBatchSize, PldStoreCacheLinger, PldStoreMaxMemCachedRecords, PldStoreMaxOpenFDs, PldStoreRecordCacheSz, PldStoreStreamBufSz, TempFileRoot, UndeleteBatchSize, UpdateFlagsBatchSize
EmailService.SMTPProperties	AssumeSingleEndpoint, Authentication, DSNEnabled, EndpointPropertiesList, Port, SendMailEvenIfNoTls, ServerSessionConcurrency, UseTls, VMSEvaluator, VMSPropertiesList

Table 4–3   (Cont.) Components

Component	Properties
EmailService.SMTPProperties.VMSProperties	AuthMandatory, CustomDisplayName, CustomDomainName, CustomProductVersion, LogAllExceptions, MaxAbortedTransitionsPerSession, MaxBadTransitionsPerSession, MaxCommandLineSize, MaxRcptsPerTx, MaxRejectedAddressesPerSession, MaxSizeBeforeAttackSuspected, MaxSzAbortTx, MaxUselessCommandsPerSession, NextCommandTimeout, NextDataChunkTimeout, QuitWriteTimeout, RecipientMatcher, RejectAll, SenderMatcher, ShowInstanceNameInBanner, SupressReceivedFrom, SupressResponseText, TlsMandatory, UseDefaultDisplayName, UseDefaultDomainName, UseDefaultMaxSz, UseDefaultProductVersion, VMSName
EmailService.TransportProperties	AcceptInvalidLocalUsers, DeliveryConcurrency, DeliveryRules, InMemoryQueueSize, KeepAliveInterval, LocalDeliveryBatchSize, MaxReceivedHeaders, MaxRetryPeriod, MaximumDBMessageQueuePercentage, MinimumDBMessageQueuePercentage, MsgTerminusRules, PostDeliveryRules, PostResolutionRules, PreResolutionRules, ProcessingEnabled, QueuePollInterval, RelayServer, RetryInterval, SMTPDeliveryBatchSize, SMTPDeliveryCheckpoint, ScanOnUpload, SimpleRelayMode, ThreadPoolSize
Enterprise	CollabId, Database, ErrorCodeDBPersistenceEnabled, Name, VirusScanEngineCluster
EventService	AsyncActionRetryCount, AsyncActionRetryInterval, AsyncLogLevel, MaxThreadPoolSize, PreEvaluateThresholdRuleCount
ExternalBpelProcessManager	AdminPassword, AdminUsername, BpelCluster, Hostname, Oc4jName, OpmnRequestPort
ExternalJ2eeApplication	AdminPassword, AdminUsername, Hostname, Oc4jName, OpmnRequestPort
FaxMessageService	DebugFlags
FtpService	ActiveModeEnabled, ChannelSecurity, DMSInstrumentation, DataConnectionPort, DefaultCommandCharacterset, DefaultDataPort, FtpServerEnabled, InternalIP, ListeningPoint, MaxDCPortCount, Port, SessionTimeout, UploadBufferSize
HttpServer	BeehiveInstance, DocRootLimitExcept, HttpListenPort, HttpServerCluster, HttpSslListenPort, KeepAliveTimeout, LogLevel, MaxClients, OsGroup, OsUser, SSLLogLevel, ServerAdmin, ServerRoot, Timeout
HttpServerCluster	HttpServerSslEnabled, HttpServers, SslTerminatedByLoadBalancer
IdMap	Map
IdentityProviderService	IdpSAMLIdentity, IdpUrl, SpSAMLIdentity, SpUrl
ImService	ArchivingEnabled, DbRetryCount, DbRetryTimeout, ImBufferStageSize, ImEndPointDeathDetectionTime, ImPurgingPeriodTimer, PendingMessagesLimit
JavaExecutionArguments	AdditionalOptions, InitialHeapSizeInMB, MaximumHeapSizeInMB, MaximumPermanentGenerationSizeInMB
JcrServletService	AuthenticationScheme, JCRServerEnabled, JcrSessionTimeout, MaxDownloadBufferSize, UploadBufferSize

Table 4–3   (Cont.) Components

Component	Properties
LdapServer	DigestAuthenticationAttribute, DirectoryType, GroupObjectClass, GroupSearchBase, LdapServerConnectionTimeout, LdapServerHostName, LdapServerPassword, LdapServerPort, LdapServerSslPort, LdapServerUser, PrimaryAuthenticationAttribute, PrimaryAuthenticationCredential, ProtocolAuthenticationAttribute, ProtocolAuthenticationCredential, SslEnabled, UserObjectClass, UserSearchBase, UserSearchBaseForSync, VoiceAuthenticationAttribute, VoiceAuthenticationCredential
LoggingConfigurable.LoggingProperties	BaseLogLevel, MaxFileSize, MaxLogSize, ModuleLogLevel, RotationFrequency
ManagedBpelProcessManager	BpelCluster
ManagedOc4j	AdminPassword, AdminUsername, AjpPortMaxValue, AjpPortMinValue, Applications, BeehiveInstance, CustomNonXaConfig, CustomXaConfig, JGroupPortMaxValue, JGroupPortMinValue, JmsPortMaxValue, JmsPortMinValue, ManagedOc4jCluster, Oc4jName, PseudoTranslationEnabled, PseudoTranslationStrategy, ResourceAdapterInstances, RmiPortMaxValue, RmiPortMinValue, RmisPortMaxValue, RmisPortMinValue, SipContainer, StartJavaExecutionArguments, StopJavaExecutionArguments
ManagedOc4jCluster	AdminPassword, AjpsEnabled, ManagedOc4js, OrmisEnabled
ManagementService	AutoSyncSaveListenerSleepIntervalInSeconds, AutoSyncSaveListenerTimeoutInSeconds, LocalFileSyncEnabled, LogSearchMaximumResults, LogSyncEnabled, LogUploadFilter, LogUploadInterval, SystemDataCollectorProperties, UploadLevel
ManagementService.SystemDataCollectorProperties	CollectionInterval, CollectorEnabled, SystemDataFileRotationInterval, SystemDataFileRotationSize
MobileDmService	MaxClientConnections, MaxInvalidAttempts, TtlAuthenticated, TtlUnauthenticated
NamedSystemObject	Name
NotificationDeliveryService	ActionAskSettings, ActionableNotificationReplyDisabled, ActionableNotificationUser, DeliveryPoolSize, MaxDeliveryStatusAge, MaxTrackingAge, SmsSettings, SystemUserName, XmsSettings
NotificationDeliveryService.SmsSettings	MaxSmsChunks, ShortCode, ShortCodeType, SmsMode
NotificationDeliveryService.WebProxySettings	Enabled, ProxyHostName, ProxyPassword, ProxyPort, ProxyUserName
NotificationDeliveryService.XmsSettings	WebProxySettings, XmsPassword, XmsServiceUrl, XmsUserName
ObjectEventPublisherService	No other unique properties exist
Oc4j	AdminPassword, AdminUsername, Applications, CustomNonXaConfig, CustomXaConfig, Oc4jName, PseudoTranslationEnabled, PseudoTranslationStrategy, ResourceAdapterInstances
OmaService	CalendarSyncEnabled, ContactsSyncEnabled, DbLogKeepDays, DeviceMetaDataCacheSize, EmailNumberLimit, EmailSyncEnabled, LogSyncmlForUsers, MaxConcurrentRequests, MaxMessageSize, MaxObjectSize, MaxSyncRangeBack, MaxSyncRangeForward, Md5Required, Md5Supported, NotesSyncEnabled, OmaDsEnabled, ResumeEnabled, SessionLogRequired, SessionTimeOut, SyncmlLogRequired

Table 4–3   (Cont.) Components

Component	Properties
OmsResourceAdapter	ResourceAdapterImage, ResourceAdapterInstances
OmsResourceAdapterInstance	ResourceAdapter
Opmn	BeehiveInstance, LocalPort, OpmnCluster, RemotePort, RequestPort
OpmnCluster	NotificationServerSslEnabled, Opmns
OwcStreamingService	HttpTunnelingEnabled, HttpTunnelingPort, MaxHttpTunnelingClientsAllowed, MaxRtmpClientsAllowed, MaxRtspClientsAllowed, RtmpEnabled, RtmpPort, RtspEnabled, RtspPort, ServiceName
PlatformService	No other unique properties exist
PlatformWebService	No other unique properties exist
PolicyService	No other unique properties exist
PresenceService	ActivityStartTimeThreshold, PollInterval, PublicPresenceEnabled
PushMailService	HeartbeatInterval, IMAPConnLiveTime, MaxConcurrentUsers, MaxInboxMessages, MaxMessageSize, NumberDaysPast
PushService	MaxClientConnections, MaxInvalidAttempts, MaxTruePushClientConnections, TtlUnauthenticated
RecordsManagementService	Urm
ResourceAdapter	ResourceAdapterImage, ResourceAdapterInstances
ResourceAdapterImage	RarFileName, ResourceAdapterInterface
ResourceAdapterInstance	ResourceAdapter
ResourceDirectoryService	SearchSizeLimit
SAMLIdentity	KeyAlias, Service
SearchService	CachedPageMaxLength, CaseSensitive, CrawlCalendarsEnabled, CrawlDocumentsEnabled, CrawlEmailsEnabled, ExcludeRegex, MaxResults, MaxSearchDuration, Recovery, SyncFrequency, TwoDBMode, WildcardChar
Server	AlternateHostNames, BeehiveInstances, PrimaryHostName, SipListenerIPAddress
Service	No other unique properties exist
SesEndptService	Host, Port, SesEndptServiceEnabled, SesTrustedEntityMap
SipContainer	ManagedOc4j, SipEnabled, SipPortMaxValue, SipPortMinValue
SipGateway	GatewayIPAddress, GatewayPort, SipGatewayCluster
SipGatewayCluster	SipGateways
Site	BtiGlobalConfiguration, BusinessDatabase, CipherKey, ClusteringEnabled, ConfigurationDatabase, Database, DiagnosabilitySettings, DiagnosticDatabase, EnterpriseId, Enterprises, EventListenerDatabase, HttpServerCluster, LanguagePack, LdapServer, ManagedOc4jCluster, Name, OpmnCluster, RemoteSites, ResourceAdapters, SearchDatabase, Servers, Services, SipGatewayCluster, SiteId, SsoKeyAlias, UnmanagedOc4js, VirtualServer, VirusScanEngineCluster

Table 4–3   (Cont.) Components

Component	Properties
SmppDeliveryService	SmppConnectionCount, SmppEnquireTime, SmppPassword, SmppProcessingThreadCount, SmppServiceUrl, SmppSystemID, SmppSystemType, SmppTimeOut, TlsEnabled, UseQuerySMForStatus
SubscriptionActionService	No other unique properties exist
SubscriptionService	MaxAnchorAgeInDays
TCPCommBasedScanEngine	ScanEngineAdminPassword, ScanEngineAdminURL, ScanEngineAdminUsername, ScanEngineClientCommPort, ScanEngineHostName, ScanEngineSecureAdminURL, ScanEngineSecureClientCommPort, SecureClientCommEnabled, SecureClientCommSupported, VirusScanEngineCluster
TCPCommBasedScanEngineCluster	CacheRefreshInterval, ConnectionReadWriteResponseTimeout, ConnectionRetryTimeInterval, GatherDetailedStats, MaxConnectionRetryAttempts, OverrideEngineResultEnabled, ScanEngineCommProtocol, ScanEngineCommProtocolVer, ScanEngines, ScanServiceProvider, VirusScanPolicy, VirusesToIgnore
TimeManagementService	ConsistencyTasksEnabled, EnableCleanupTask, EnableDynamicParticipants, EnableExternalParticipantNotificationDelivery, EnableGenericClassOfTMBusinessEvents, EnablePresenceIntegration, MaxOccurrencesForUnboundedRecurrence, MaxOccurrencesPerSeries, MaxSubscriptionBizEventRaisedPerOperation
TimeManagementService.PurgedItemsCleanupProperties	No other unique properties exist
TimeManagementService.ResourceCleanupProperties	No other unique properties exist
TimeZoneService	No other unique properties exist
TranscodingService	ArchiveFolderPath
UnmanagedBeehiveInstance	AvailableNumberOfProcessors, AvailablePhysicalMemoryInMB, BeehiveInstanceName, Bti, DiagnosabilitySettings, HttpServer, KeystoreFile, KeystoreFilePassword, LogBaseDir, Oc4jInstances, Opmn, OracleHome, Server, WalletDir, WalletPassword
UnmanagedOc4j	AdminPassword, AdminUsername, Applications, CustomNonXaConfig, CustomXaConfig, HostName, Oc4jName, OpmnRequestPort, PseudoTranslationEnabled, PseudoTranslationStrategy, ResourceAdapterInstances, RmiPort, WalletDir
Urm	AgentName, DispositionLoaderInterval, DispositionProcessorInterval, RMAdminPassword, RMAdminUser, RmAdminEmailId, URMAdapterURL
UserDirectoryService	ConfigurationParameters, CustomAttributes, DirectoryProfiles
UserDirectoryService.AttributeMap	Fields
UserDirectoryService.ConfigurationParameters	DbRetryCount, DbRetryIntervalMilliSeconds, GalEntryAccessChecked, MaxEntityAddressCount, SuperMaxEntityAddressCount
UserDirectoryService.ConfigurationParameters.Attribute	No other unique properties exist
UserDirectoryService.CustomAttribute	Description, Name, Type

Table 4–3   (Cont.) Components

Component	Properties
UserDirectoryService.DirectoryAttributeMap	DirectoryAttributeMap
UserDirectoryService.DirectoryProfile	DefaultFlag, DirectoryAttributeMap, GroupTypeMap, ProfileState, ScopeMap, UserTypeMap
UserDirectoryService.FieldMap	BeehiveFieldName, BeehiveFieldSubType, BeehiveFieldType, SourceAttribute, SourceSpecialHandling, SourceToTargetFieldValueMapping
UserDirectoryService.FieldMap.SourceTargetValueMapping	SourceFieldValue, TargetFieldValue
UserDirectoryService.GroupTypeMapEntry	GroupType, SourceFieldName, SourceFieldType, SourceFieldValue
UserDirectoryService.LdapDirectoryProfile	DefaultFlag, DirectoryAttributeMap, GroupTypeMap, LdapServer, PollInterval, ProfileState, ScopeMap, UserTypeMap
UserDirectoryService.MembershipMapEntry	MembershipCollabId, Name, SourceFieldName, SourceFieldType, SourceFieldValue
UserDirectoryService.ScopeMapEntry	MembershipMap, Name, ScopeCollabId, SourceFieldName, SourceFieldType, SourceFieldValue
UserDirectoryService.UserTypeMapEntry	SourceFieldName, SourceFieldType, SourceFieldValue, UserType
VirtualServer	BtiClientPort, BtiSecureClientPort, FtpPort, HttpPort, HttpSslEnabled, HttpSslPort, IPAddress, ImapPort, ImapSslEnabled, ImapSslPort, ServerName, SmtpAuthRequired, SmtpPort, SmtpSslEnabled, SmtpSslPort, XmppPort, XmppSslEnabled, XmppSslPort
VirusScanConfigurable	OverrideEngineResultEnabled, VirusScanPolicy, VirusesToIgnore
VirusScanEngine	VirusScanEngineCluster
VirusScanEngineCluster	CacheRefreshInterval, GatherDetailedStats, OverrideEngineResultEnabled, ScanEngineCommProtocol, ScanEngineCommProtocolVer, ScanEngines, ScanServiceProvider, VirusScanPolicy, VirusesToIgnore
VoiceMessageService	DebugFlags, FacilityProperties, VoiceMessageProperty
VoiceMessageService.EnterpriseProperties	EnterpriseCollabId, ExclusiveAudioContentURIs, Name, RecordPlaybackURIs, RecordStreamURIs, SharedAudioContentURIs, TelephoneAnsweringAddress
VoiceMessageService.FacilityProperties	ExclusiveAudioContentURIs, FacilityCollabId, Name, RecordPlaybackURIs, RecordStreamURIs, SharedAudioContentURIs
VoiceServletService	No other unique properties exist
WebdavService	AuthenticationScheme, BrowserSessionTimeout, DMSInstrumentation, DavClientSessionTimeout, DefaultWelcomeDocs, DepthLimit, DisplayLastModifiedBy, DisplayLastModifiedOn, DisplayLockStatus, DisplayVersioningStatus, DownloadBufferSize, MinimumLockTimeout, UploadBufferSize, UserPreferenceRefreshTime, WebDAVServerEnabled
WikiService	PluginHtmlEnabled
WorkflowService	BpelCluster
WorkspacesService	DbDownloadBufferSize, DbUploadBufferSize, MembershipNotificationEnabled, QuotaNotificationEnabled, QuotaOverflowPercentage

Table 4–3   (Cont.) Components

Component	Properties
XmppService	DomainName, DomainNames, Language, MessagesOnInvalidAction, RetryCount, RetryTimeout, SearchFields, SupportedAgents, VersionRules, XmppPort, XmppSslPort, XmppTimerKeepAliveTime
ZimbraConnectorService	No other unique properties exist
ZimbraUIService	No other unique properties exist

Common Properties

The following properties are common to all components:

Table 4–4   Common Properties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Alias	String	not applicable	May not start with an underscore (_)	Yes	No	Each SystemObject in the configuration has a Universally Unique Identifier (UUID) assigned by the system. An example UUID is f477dfe5-400d-41a2-b2a5-394ebba67293. You can assign an easier to remember Alias to a SystemObject and use the Alias in place of the UUID, for example, as the component identifier in beectl commands. Aliases must be unique, so you may not assign the same Alias to multiple SystemObjects. The validation performed on the proposed configuration at activation time ensures that no two SystemObjects have been assigned the same Alias. If duplicate Aliases are detected, the activation will fail and you must correct the situation before retrying the activation operation.
LightweightThreadCount	Integer	not applicable	Minimum = 0, maximum = 9223372036854775807	yes	No	Lightweight thread count for the service. A lightweight thread provides no guarantees on the thread context being used.
LoggingProperties	LoggingConfigurable.LoggingProperties (Structural property)	not applicable	No	No	Yes	A reference to a SystemObject that holds the property settings that configure logging behavior. You do not directly modify the value of this property. You configure logging behavior by modifying the properties of the referenced LoggingProperties object.
ServiceApplication	ApplicationImage (Structural property)	not applicable	No	No	Yes	The application image for the service. The application image models the EAR file that gets deployed to create service instances for the service.

Table 4–4   (Cont.) Common Properties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ServiceInstances	Set<ServiceInstance> (Structural property)	not applicable	No	Yes	No	The list of ServicesInstances associated with the service.
Site	Site (Structural property)	not applicable	No	No	No	The site with which this service is associated.
Status	StatusManageable.Status (Legal values: `ENABLED`, `DISABLED`)	`ENABLED`	No	Yes	No	The Status, either `ENABLED` or `DISABLED`, of the current SystemObject. You do not directly modify the value of this property. The system manages the value of this property when you use an administration client such as `beectl` to enable and disable components of the deployment.

Common Properties for ServiceInstances

The following properties are common to all ServiceInstances:

Table 4–5   Common Properties for ServiceInstances

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
J2eeApplicationName	String	not applicable	No	No	No	J2EE application name.
LightweightThreadPriority	Integer	5	Minimum=1, Maximum=10	Yes	No	Priority of lightweight threads for the service.
Oc4j	String	not applicable	No	No	No	The Oc4j instance associated with the BeehiveJ2eeApplication.

Component Properties

This section lists the properties for each Oracle Beehive component. If a component has only common properties, the table of properties is omitted. Refer to "Common Properties" on page 4-16, and "Common Properties for ServiceInstances" on page 4-17, for details about common properties.

The tables listing properties for components have the following columns:

- **Name:** The property name
- **Data Type:** One of the following types:
  - **Integer:** A whole number
  - **Int:** A whole number
  - **String**: Alphanumeric characters
  - **Boolean:** True or false, used to enable or disable a feature
  - **Long:** A whole number (allows larger values than Int or Integer)
  - **Structural Property:** A special type, usually unique to the component, that can contain a string in a specified format

- **SecureString:** Alphanumeric characters, stored as an encrypted value

- **File:** A logical path to a file or directory

- **List:** A comma-delimited list of text values

- **Map:** A set of key:value pairs

- **Level:** Used for setting log levels; accepts one of a listed set of keywords

- **<Component>.<Property> Legal Values ()**: A unique property which accepts one from a list of legal values. For example: AuthenticationService.AuthStoreType (Legal values: db, ldap)

- **CollabID:** An Oracle Beehive CollabID

- **Default Value:** If the property is seeded with a default value during installation of Oracle Beehive, that value is listed

- **Accepted Values:** If the range or set of values is constrained (beyond that allowed by its type), the constraint is shown

- **Mutable:** Mutable properties can change over time from one version of the configuration to the next. When Mutable is set to **No**, the value can only be changed when it belongs to a new configuration object created in the proposed configuration. Once the proposed configuration is activated, all immutable properties will never change again.

- **Read Only:** You can only use the `beectl modify_property` command to change the value of properties with Read Only set to **No**. You cannot use this command to modify properties with Read Only set to **Yes**.

  Internal Oracle Beehive code can still modify Read Only properties.

- **Description:** A brief description of the property's function

AccessControlService

No other properties exist for AccessControlService .

AlarmService

The following properties are available for AlarmService :

Table 4–6   AlarmServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DefaultExpiryTime	Long	259200	All permitted values	Yes	No	The amount of time (in seconds) that will elapse by default before an alarm expires. Applies in cases where no expiry value is explicitly set when the alarm is created. Alarms are used internally by some Oracle Beehive services, which can explicitly set an expiry that will override this default value.

ApplicationImage

The following properties are available for ApplicationImage :

Table 4–7   ApplicationImageProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
EarFileName	String	n/a	All permitted values	No	Yes	The file name of the enterprise archive (.ear) for a service or application image.
ServiceInterface	String	n/a	All permitted values	No	Yes	The name of the service's interface, which is used by the management model to cull service properties and statistics.

AuditService

The following properties are available for AuditService :

Table 4–8   AuditServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
LogonRecordDuration	int	480	Min=1, Max=6000	Yes	No	Specifies the logon record expiration time in minutes.

AuthenticationService

The following properties are available for AuthenticationService :

Table 4–9   AuthenticationServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AuthStoreType	AuthenticationService.AuthStoreType (Legal values: db, ldap)	db	All permitted values	Yes	No	Specifies the authentication repository type. Valid values: db, ldap
AuthenticationRealm	String	Authorized_Users	All permitted values	Yes	No	Specifies the default authentication realm for Oracle Beehive.
IdMap	IdMap	n/a	All permitted values	Yes	No	Specifies the map of identity format to identity mapping attribute. Valid identity format values include: unspecified; email_addr; x509_subject; windows_dqn. Valid identity mapping attribute could be any User Directory Service address attribute.
LockoutTime	Integer	7200	All permitted values	Yes	No	Specifies the duration (in seconds) that a user account will be locked out of the system if the maximum allowable login attempts is reached.
LoginAttempts	Integer	-1	All permitted values	Yes	No	Specifies the number of failed login attempts allowed before a user account gets locked out of the system. -1 = No limit
OssoConfigFile	String	n/a	All permitted values	Yes	No	Specifies the configuration file for Oracle Single Sign-On (OSSO).

Table 4–9   (Cont.) AuthenticationServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SAMLRegistrationMap	Map<String,SAMLIdentity> (Structural property)	n/a	All permitted values	Yes	No	Specifies the SAML registration map, which contains trusted assertion issuers and service providers.
SsoLogoutUrl	String	n/a	All permitted values	Yes	No	Specifies the logout URL for single sign-on deployments. This is the URL to which users will be redirected after logging out of the system.
SsoType	AuthenticationService.SsoType (Legal values: jsso, osso, coreid)	jsso	All permitted values	Yes	No	Specifies the single sign-on type. Valid values: jsso, osso
TokenTimeout	Integer	300	All permitted values	Yes	No	Specifies the amount of time (in seconds) that an authentication token will remained timed out. 0 = Indefinitely
UseJazn	Boolean	false	All permitted values	Yes	No	Specifies whether or not Oracle Internet Directory should be configured natively with Oracle Application Server using Java Authorization (JAZN). If disabled, Oracle Internet Directory is configured as an external LDAP server (recommended). Valid values: true, false
UseSecureCookie	Boolean	false	All permitted values	Yes	No	Specifies whether or not the JavaSSO cookie should be sent over a Secure Socket Layer (SSL) connection. If enabled, JavaSSO is not supported over non-SSL connnections. Valid values: true, false
UseSecureHash	Boolean	false	All permitted values	Yes	No	Specifies whether or not the configured secure hash value (in the LDAP server) should be used for the digest authentication when the authentication repository is an LDAP server. If disabled, the password value is used to calculate the digest. Valid values: true, false
WnaEnabled	Boolean	false	All permitted values	Yes	No	Specifies whether or not Windows Native Authentication (WNA) authentication is enabled for JavaSSO. Valid values: true, false
WnaKeytab	String	n/a	All permitted values	Yes	No	Specifies the Windows Native Authentication (WNA) service keytab file for WNA authentication.
WnaPrincipal	String	n/a	All permitted values	Yes	No	Specifies the Windows Native Authentication (WNA) service principal name for WNA authentication.

Table 4–9   (Cont.) AuthenticationServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
WsSecurityExpiry	Integer	3600	All permitted values	Yes	No	Specifies the amount of time (in seconds) that will elapse before inbound and outbound message signatures expire for Security Assertions Markup Language (SAML) Web services ports.
WsSecuritySamlEnabled	Boolean	false	All permitted values	Yes	No	Specifies whether or not Security Assertions Markup Language (SAML) authentication is enabled for Oracle Beehive Web services. Valid values: true, false
WsSecuritySigKeyAlias	String	n/a	All permitted values	Yes	No	Specifies the key alias of outbound message signatures for Security Assertions Markup Language (SAML) Web services ports.
WsSecuritySigKeyPwd	SecureString	n/a	All permitted values	Yes	No	Specifies the key password of outbound message signatures for Security Assertions Markup Language (SAML) Web services ports.

BeeCentralService

No other properties exist for BeeCentralService .

BeehiveControlService

No other properties exist for BeehiveControlService .

BeehiveInstance

The following properties are available for BeehiveInstance :

Table 4–10   BeehiveInstanceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AvailableNumberOfProcessors	int	1	Custom, contact dev lead	Yes	No	The number of processors committed for the current Oracle Beehive instance. This figure is used by the sizing algorithm to calculate the number of server and client Beehive Transport Infrastructure (BTI) workers, as well as the Oracle Containers for Java (OC4J) instances, required to support the current Oracle Beehive instance.
AvailablePhysicalMemoryInMB	Integer	n/a	Custom, contact dev lead	Yes	No	The amount of physical memory in megabytes (MBs) committed for the current Oracle Beehive instance. This figure is used by the sizing algorithm to calculate the number of Oracle Containers for Java (OC4J) instances required for the current Oracle Beehive instance.
BeehiveInstanceName	String	n/a	All permitted values	Yes	Yes	The name of the current Oracle Beehive instance.
Bti	Bti	n/a	All permitted values	Yes	No	The Oracle Beehive Transport Infrastructure (BTI) associated with the current Oracle Beehive instance.
DiagnosabilitySettings	DiagnosabilitySettings	n/a	All permitted values	Yes	No	A reference to a SystemObject that holds the properties used to configure diagnosability functionality. You do not directly modify the value of this property. You modify the properties of the referenced DiagnosabilitySettings object.
HttpServer	HttpServer	n/a	All permitted values	Yes	No	A reference to the HttpServer SystemObject for the current Oracle Beehive instance. You do not directly modify the value of this property. You configure the HTTP Server by modifying the properties of the referenced HttpServer object.
KeystoreFile	File	n/a	All permitted values	Yes	No	Path of the keystore file associated with the current Oracle Beehive instance.
KeystoreFilePassword	SecureString	n/a	All permitted values	Yes	No	Password for the keystore file associated with the current Oracle Beehive Instance.
LogBaseDir	File	beehive/logs	All permitted values	Yes	No	The base directory where Oracle Beehive will store its log files.

Table 4–10   (Cont.) BeehiveInstanceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Oc4jInstances	Set<ManagedOc4j> (Structural property)	n/a	All permitted values	Yes	No	The set of references to the SystemObjects that configure the OC4J instances deployed in the current Oracle Beehive instance. The system automatically manages the value of this property. You must never directly modify the value.
Opmn	Opmn	n/a	All permitted values	No	No	This is a reference to the SystemObject that configures OPMN for the current Oracle Beehive instance. The system automatically manages the value of this property. You must never directly modify the value.
OracleHome	String	n/a	All permitted values	No	Yes	The Oracle home for the current Oracle Beehive instance.
Server	Server	n/a	All permitted values	No	No	This is a reference to the SystemObject that represents the Server associated with the current Oracle Beehive instance. The system automatically manages the value of this property.
WalletDir	String	n/a	All permitted values	Yes	No	Directory path of the Oracle Wallet associated with the current Oracle Beehive instance.
WalletPassword	SecureString	n/a	All permitted values	Yes	No	The password for the Oracle Wallet associated with the current Oracle Beehive instance.

BeehiveJ2eeApplication

No other properties exist for BeehiveJ2eeApplication .

BeekeeperService

No other properties exist for BeekeeperService .

BpelCluster

The following properties are available for BpelCluster :

Table 4–11   BpelClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DomainId	String	default	All permitted values	Yes	No	For high availability, a set of BPEL Process Manager instances are grouped into a BPEL Cluster. A BPEL Cluster contains BPEL Process Manager instances that have the same Domain ID and password and are of the same type (External vs. Managed). By default, the Domain ID is set to "default." If the default Domain ID is chnaged, the out-of-the-box Workflows should also be deployed in the new domain.
DomainPassword	SecureString	n/a	All permitted values	Yes	No	The domain password of the BPEL Process Manager instances that are grouped into this Cluster.
ProcessManagers	Set<BpelProcess Manager> (Structural property)	n/a	Custom, contact dev lead	Yes	No	Contains the BPEL Process Manager's configuration information.
TaskAdministrator	String	bpeladmin	All permitted values	Yes	No	The name of the user that has BPELTaskAdmin privilege in the BPEL Process Manager instances in this cluster. By default the this property is set to "bpeladmin." This user must be able to act on behalf of the tasks of any user in the BPEL Process Manager instance. This user account must be available in all the BPEL Process Manager instances that are grouped into this cluster.
TaskAdministratorPas sword	SecureString	n/a	All permitted values	Yes	No	The password of the task admin user account password of all BPEL Process Manager instances that are grouped into this Cluster.

BpelProcessManager

The following properties are available for BpelProcessManager :

Table 4–12   BpelProcessManagerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BpelCluster	BpelCluster	n/a	All permitted values	No	No	The BPEL Cluster that this BPEL Process Manager belongs to.

Bti

The following properties are available for Bti :

Table 4–13   BtiProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BeehiveInstance	BeehiveInstance	n/a	All permitted values	Yes	No	description bundle not set
BtiProcessPingTimeout	int	60	All permitted values	Yes	No	description bundle not set
ClientWorker	BtiClientWorker	n/a	All permitted values	No	No	description bundle not set
CtrlPort	int	5959	Network Port, Min=1, Max=65536	Yes	No	description bundle not set
LogDir	String	n/a	All permitted values	Yes	No	description bundle not set
Redirector	BtiRedirector	n/a	All permitted values	No	No	description bundle not set
ServerPort	int	n/a	Network Port, Min=1, Max=65536	Yes	No	description bundle not set
ServerWorker	BtiServerWorker	n/a	All permitted values	No	No	description bundle not set
StartJavaExecutionArguments	JavaExecutionArguments	n/a	All permitted values	Yes	No	Arguments for the Java Virtual Machine when starting this component
StopJavaExecutionArguments	JavaExecutionArguments	n/a	All permitted values	Yes	No	Arguments for the Java Virtual Machine when starting this component

BtiClientWorker

The following properties are available for BtiClientWorker :

Table 4–14   BtiClientWorkerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdditionalExecArgs	String[]	n/a	All permitted values	Yes	No	description bundle not set
Bti	Bti	n/a	All permitted values	Yes	No	description bundle not set
NumberOfWorkers	int	1	All permitted values	Yes	No	description bundle not set

BtiComponent

The following properties are available for BtiComponent :

Table 4–15   BtiComponentProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdditionalExecArgs	String[]	n/a	All permitted values	Yes	No	description bundle not set

BtiGlobal

The following properties are available for BtiGlobal :

Table 4–16   BtiGlobalProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BackendSecurityMode	BtiGlobal.SecurityMode (Legal values: NONE, AUTH_ONLY, AUTH_AND_ ENCRYPT)	NONE	All permitted values	Yes	No	description bundle not set
ClientPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	description bundle not set
SecureClientPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	description bundle not set

BtiRedirector

The following properties are available for BtiRedirector :

Table 4–17   BtiRedirectorProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdditionalExecArgs	String[]	n/a	All permitted values	Yes	No	description bundle not set
Bti	Bti	n/a	All permitted values	Yes	No	description bundle not set

BtiServerWorker

The following properties are available for BtiServerWorker :

Table 4–18   BtiServerWorkerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdditionalExecArgs	String[]	n/a	All permitted values	Yes	No	description bundle not set
Bti	Bti	n/a	All permitted values	Yes	No	description bundle not set
NumberOfWorkers	int	1	All permitted values	Yes	No	description bundle not set

CalDAVService

The following properties are available for CalDAVService :

Table 4–19   CalDAVServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CollectionBrowsingEnabled	Boolean	true	All permitted values	Yes	No	Enables or disables the Oracle Beehive CalDAV Companion Web Access interface. If disabled, trying to access a CalDAV URL in a Web browser will return an error.
DefaultFutureTimePeriodInDay	Long	124	All permitted values	Yes	No	The upper limit (in days) of the range for which date-based entities will be returned by Oracle Beehive if no range is explicitly provided by a CalDAV client. This value is represented as a positive integer. Oracle Beehive uses this value to determine whether or not to return certain date-based entities. For example, if this value is set to 30 and no time range is supplied by a CalDAV client, Oracle Beehive will return all date-based entities, such as meetings and tasks, that occur between today and the next 30 days. In this example, entities that occur on the 31st day from today and beyond will not be returned.
DefaultPastTimePeriodInDay	Long	31	All permitted values	Yes	No	The lower limit (in days) of the range for which date-based entities will be returned by Oracle Beehive if no range is explicitly provided by a CalDAV client. This value is represented as a negative integer. Oracle Beehive uses this value to determine whether or not to return certain date-based entities. For example, if this value is set to -30 and no time range is supplied by a CalDAV client, Oracle Beehive will return all date-based entities, such as meetings and tasks, that occurred in the the previous 30 days only. In this example, entities that occurred on the 31st day prior to today and earlier will not be returned.

ClientManagementService

The following properties are available for ClientManagementService :

Table 4–20   ClientManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DebugMode	boolean	false	All permitted values	Yes	No	description bundle not set
NotificationQueueResumeThreshold	int	50	Custom, contact dev lead	Yes	No	description bundle not set
NotificationQueueSuspendThreshold	int	100	Custom, contact dev lead	Yes	No	description bundle not set
OutputFrameSize	int	32768	Min=1, Max=65535	Yes	No	description bundle not set
SessionTimeout	int	30000	Custom, contact dev lead	Yes	No	description bundle not set
StreamReadBufferSize	int	131072	Custom, contact dev lead	Yes	No	description bundle not set
StreamWriteBufferSize	int	131072	Custom, contact dev lead	Yes	No	description bundle not set
TraceEnabled	boolean	false	All permitted values	Yes	No	description bundle not set

CoexistenceService

The following properties are available for CoexistenceService :

Table 4–21   CoexistenceServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CoexistenceEnabled	boolean	true	All permitted values	Yes	No	Enables or disables the Coexistence Service. If enabled and a coexistence connector is configured, the Coexistence Service will send and receive requests to and from the coexistence connector.
ContactProperties	CoexistenceService.ContactProperties	n/a	All permitted values	No	No	Properties that are specific to contacts in coexistence deployments. This is a subcomponent.
ExchangeConnectorProperties	CoexistenceService.ExchangeProperties	n/a	All permitted values	No	No	Properties that are specific to the Oracle Coexistence Connector for Microsoft Exchange Server. This is a subcomponent.
FreeBusyProperties	CoexistenceService.FreeBusyProperties	n/a	All permitted values	No	No	Properties that are specific to free/busy time in coexistence deployments. This is a subcomponent.
MeetingProperties	CoexistenceService.MeetingProperties	n/a	All permitted values	No	No	Properties that are specific to meetings in coexistence deployments. This is a subcomponent.

Table 4–21   (Cont.) CoexistenceServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MessageProperties	CoexistenceService.MessageProperties	n/a	All permitted values	No	No	Properties that are specific to e-mail messages in coexistence deployments. This is a subcomponent.
RequestSenderEnabled	boolean	true	All permitted values	Yes	No	Enables or disables the request sender. If disabled, the Coexistence Service will not send any requests to the connector but will still process incoming requests. Propagation of changes also requires the CoexistenceEnabled property to be enabled. When disabled, the Coexistence Service will only process requests sent by the coexistence connector.
TaskProperties	CoexistenceService.TaskProperties	n/a	All permitted values	No	No	Properties that are specific to tasks in coexistence deployments. This is a subcomponent.

CoexistenceService.ContactProperties

The following properties are available for CoexistenceService.ContactProperties :

Table 4–22   CoexistenceService.ContactPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AttachmentMaxSizeInKiloByte	int	2048	Custom, contact dev lead	Yes	No	The maximum size allowed (in kilobytes) of an attachment. If an attachment is larger than this size, the attachment is ignored by the coexistence solution.

CoexistenceService.ContainerSpecificProperties

The following properties are available for CoexistenceService.ContainerSpecificProperties :

Table 4–23   CoexistenceService.ContainerSpecificPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AttachmentMaxSizeInKiloByte	int	2048	Custom, contact dev lead	Yes	No	The maximum size allowed (in kilobytes) of an attachment. If an attachment is larger than this size, the attachment is ignored by the coexistence solution.

CoexistenceService.ExchangeProperties

The following properties are available for CoexistenceService.ExchangeProperties :

Table 4–24   CoexistenceService.ExchangePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SmtpServerHostName	String	n/a	All permitted values	Yes	No	Specifies the SMTP server host name used by the Oracle Coexistence Connector for Microsoft Exchange Server. If this property is not set, the virtual server name will be used.
SmtpServerPort	int	25	Custom, contact dev lead	Yes	No	Specifies the SMTP server port used by the Oracle Coexistence Connector for Microsoft Exchange Server. If this property is not set, the virtual server port will be used.

CoexistenceService.FreeBusyProperties

The following properties are available for CoexistenceService.FreeBusyProperties :

Table 4–25   CoexistenceService.FreeBusyPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
FutureTimePeriodInDay	int	120	Custom, contact dev lead	Yes	No	Specifies the upper limit (in days from today) of the range Oracle Beehive will use to publish free/busy information of coexisting users. This value can be any positive integer. For example, if this value is set to 60, Oracle Beehive will publish all free/busy information that occurs from the time of the request and for the following 60 days. This property is used in conjunction with PastTimePeriodInDay, which specifies the lower limit (in days) of the range for publishing free/busy information.
PastTimePeriodInDay	int	7	Custom, contact dev lead	Yes	No	Specifies the lower limit (in days from today) of the range Oracle Beehive will use to publish free/busy information of coexisting Oracle Beehive users. This value can be any positive integer. For example, if this value is set to 30, Oracle Beehive will publish all free/busy information that occurs from the time of the request and for the previous 30 days. This property is used in conjunction with FutureTimePeriodInDay, which specifies the upper limit (in days) of the range for publishing free/busy information.

CoexistenceService.MeetingProperties

The following properties are available for CoexistenceService.MeetingProperties :

Table 4–26   CoexistenceService.MeetingPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AttachmentMaxSizeInKiloByte	int	2048	Custom, contact dev lead	Yes	No	The maximum size allowed (in kilobytes) of an attachment. If an attachment is larger than this size, the attachment is ignored by the coexistence solution.
ImportDataFutureTimePeriodInDay	int	-1	All permitted values	Yes	No	Specifies the upper limit (in days from today) of the range Oracle Beehive will use to request an initial import of meeting data from the Oracle Coexistence Connector for Microsoft Exchange Server. This value can be any positive integer or -1, which is used to specify that there is no upper limit. For example, if this value is set to 60, Oracle Beehive will import all meeting data that occurs from the time of the import and for the following 60 days. This property is used in conjunction with ImportDataPastTimePeriodInDay, which specifies the lower limit (in days) of the range for importing meeting data.
ImportDataPastTimePeriodInDay	int	30	Custom, contact dev lead	Yes	No	Specifies the lower limit (in days from today) of the range Oracle Beehive will use to request an initial import of meeting data from the Oracle Coexistence Connector for Microsoft Exchange Server. This value can be any positive integer or -1, which is used to specify that there is no lower limit. For example, if this value is set to 30, Oracle Beehive will import all meeting data that occurs from the time of the request and for the previous 30 days. This property is used in conjunction with ImportDataFutureTimePeriodInDay, which specifies the upper limit (in days) of the range for importing meeting data.

CoexistenceService.MessageProperties

The following properties are available for CoexistenceService.MessageProperties :

Table 4–27   CoexistenceService.MessagePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AttachmentMaxSizeIn KiloByte	int	2048	Custom, contact dev lead	Yes	No	The maximum size allowed (in kilobytes) of an attachment. If an attachment is larger than this size, the attachment is ignored by the coexistence solution.
ImportDataFutureTim ePeriodInDay	int	-1	All permitted values	Yes	No	Specifies the upper limit (in days from today) of the range Oracle Beehive will use to request an initial import of e-mail data from the Oracle Coexistence Connector for Microsoft Exchange Server. This value can be any positive integer or -1, which is used to specify that there is no upper limit. For example, if this value is set to 60, Oracle Beehive will import all e-mail data that occurs from the time of the import and for the following 60 days. This property is used in conjunction with ImportDataPastTimePeriodInD ay, which specifies the lower limit (in days) of the range for importing e-mail data.
ImportDataPastTimeP eriodInDay	int	30	Custom, contact dev lead	Yes	No	Specifies the lower limit (in days from today) of the range Oracle Beehive will use to request an initial import of e-mail data from the Oracle Coexistence Connector for Microsoft Exchange Server. This value can be any positive integer or -1, which is used to specify that there is no lower limit. For example, if this value is set to 30, Oracle Beehive will import all e-mail data that occurs from the time of the request and for the previous 30 days. This property is used in conjunction with ImportDataFutureTimePeriodI nDay, which specifies the upper limit (in days) of the range for importing e-mail data.

CoexistenceService.TaskProperties

The following properties are available for CoexistenceService.TaskProperties :

Table 4–28   CoexistenceService.TaskPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AttachmentMaxSizeIn KiloByte	int	2048	Custom, contact dev lead	Yes	No	The maximum size allowed (in kilobytes) of an attachment. If an attachment is larger than this size, the attachment is ignored by the coexistence solution.
ImportDataFutureTim ePeriodInDay	int	-1	All permitted values	Yes	No	Specifies the upper limit (in days from today) of the range Oracle Beehive will use to request an initial import of task data from the Oracle Coexistence Connector for Microsoft Exchange Server. This value can be any positive integer or -1, which is used to specify that there is no upper limit. For example, if this value is set to 60, Oracle Beehive will import all active task data from the time of the import and for the following 60 days. This property is used in conjunction with ImportDataPastTimePeriodInD ay, which specifies the lower limit (in days) of the range for importing task data.
ImportDataPastTimeP eriodInDay	int	30	Custom, contact dev lead	Yes	No	Specifies the lower limit (in days from today) of the range Oracle Beehive will use to request an initial import of task data from the Oracle Coexistence Connector for Microsoft Exchange Server. This value can be any positive integer or -1, which is used to specify that there is no lower limit. For example, if this value is set to 30, Oracle Beehive will import all active task data from the time of the request and for the previous 30 days. This property is used in conjunction with ImportDataFutureTimePeriodI nDay, which specifies the upper limit (in days) of the range for importing task data.

ConferenceService

The following properties are available for ConferenceService :

Table 4–29   ConferenceServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DefaultDialoutCallTimeout	Integer	3600000	All permitted values	No	Yes	description bundle not set
DefaultParticipantCodec	String	audio/IP-MR-VBR	All permitted values	Yes	Yes	description bundle not set
DefaultSIPParticipantCodec	String	audio/PCMU	All permitted values	Yes	Yes	description bundle not set
DefaultSipRegistrationExpiresInterval	Integer	3600	All permitted values	No	Yes	description bundle not set
DefaultVoiceParticipantMode	Integer	1	All permitted values	No	Yes	description bundle not set
OwcHostWaitSessionTimeout	Integer	1800000	All permitted values	No	Yes	description bundle not set
OwcLogFlushPeriod	Integer	30000	All permitted values	Yes	Yes	description bundle not set
OwcMediaHostServiceBusAddressPrefix	String	owc-ms-host-service	All permitted values	Yes	Yes	description bundle not set
OwcMediaHostServiceLoadBalanceBusAddressSuffix	String	balance	All permitted values	Yes	Yes	description bundle not set
OwcRosterServiceBusAddressPrefix	String	owc-roster-service	All permitted values	Yes	Yes	description bundle not set
OwcRosterServiceLoadBalanceBusAddressSuffix	String	balance	All permitted values	Yes	Yes	description bundle not set
OwcUseRemoteMediaSessions	Boolean	false	All permitted values	Yes	Yes	description bundle not set
SIPPSTNGatewayIPAddres	String	n/a	All permitted values	Yes	Yes	description bundle not set
SIPPSTNGatewayPort	Integer	5060	Network Port, Min=1, Max=65536	Yes	Yes	description bundle not set
SipRegistrationEnabled	Boolean	false	All permitted values	Yes	Yes	description bundle not set

ConferenceSessionService

No other properties exist for ConferenceSessionService .

Database

The following properties are available for Database :

Table 4–30   DatabaseProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AccessSchemas	List<AccessSchema> (Structural property)	n/a	All permitted values	Yes	No	The database access Schemas.
AffinityPool	Database.ConnectionPool	n/a	All permitted values	Yes	Yes	The affinity ConnectionPool.
AffinityServiceNames	List<String>	n/a	All permitted values	Yes	No	The list of services that require database affinity.
BusinessDataServiceName	String	n/a	All permitted values	Yes	No	The database name for business data service.
ConfigServiceName	String	n/a	All permitted values	Yes	No	The database name for configuration store.
ConnectDescriptor	String	n/a	All permitted values	Yes	No	The connect descriptor for the database.
DefaultAccessSchema	Database.AccessSchema	n/a	All permitted values	Yes	Yes	The database access Schema.
DefaultNonXaPool	Database.ConnectionPool	n/a	All permitted values	Yes	Yes	The default non-XA connectionPool.
DefaultXaPool	Database.ConnectionPool	n/a	All permitted values	Yes	Yes	The default XA connectionPool.
DiagnosabilityServiceName	String	n/a	All permitted values	Yes	No	The database name for diagnosibility service.
EventListenerServiceName	String	n/a	All permitted values	Yes	No	The database name for event listener service.
OnsNodeConfiguration	List<String>	n/a	All permitted values	Yes	No	The list of ONS node configuration.
Password	SecureString	n/a	All permitted values	Yes	No	The database password
SchemaName	String	bee_code	All permitted values	Yes	No	The name of the database schema
SearchServiceName	String	n/a	All permitted values	Yes	No	The database name for search service.
XaServiceNames	List<String>	n/a	All permitted values	Yes	No	The list of XA service.

Database.AccessSchema

The following properties are available for Database.AccessSchema :

Table 4–31   Database.AccessSchemaProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BusinessDataSupported	boolean	false	All permitted values	Yes	No	If business data is supported.
ConfigDataSupported	boolean	false	All permitted values	Yes	No	If configuration data is supported.
DiagnosticDataSupported	boolean	false	All permitted values	Yes	No	If Diagnostic data is supported.
EventListenerDataSupported	boolean	false	All permitted values	Yes	No	If event data is supported.
Password	SecureString	n/a	All permitted values	Yes	No	The password of the access schema.
SearchDataSupported	boolean	false	All permitted values	Yes	No	If search data is supported.
UserDataSupported	boolean	false	All permitted values	Yes	No	If user data is supported.
UserName	String	BEE_CODE	All permitted values	Yes	No	The username of the access schema.

Database.ConnectionPool

The following properties are available for Database.ConnectionPool :

Table 4–32   Database.ConnectionPoolProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AbandonedConnectionTimeout	int	0	All permitted values	Yes	No	The timeout for abandoned connection.
ConnectTimeout	int	10000	All permitted values	Yes	No	The limit of the maximum retry attempt.
ConnectionProperties	Map<String,String>	n/a	All permitted values	Yes	No	Time out for establishing a DB Connection.
ConnectionWaitTimeout	int	300	All permitted values	Yes	No	The timeout for connection wait.
InactivityTimeout	int	0	All permitted values	Yes	No	The timeout for inactive connection.
InitialConnections	int	0	All permitted values	Yes	No	The initial connection count of this connection pool.
LowerThresholdLimit	int	20	All permitted values	Yes	No	The limit of LowerThreshold.
MaxConnections	int	20	All permitted values	Yes	No	The maximum connection count of this connection pool.

Table 4–32   (Cont.) Database.ConnectionPoolProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxRetryAttemptLimit	int	3	All permitted values	Yes	No	The limit of the maximum retry attempt.
MaxRetryTimeLimit	int	30000	All permitted values	Yes	No	The limit of the maximum retry time.
MaxStatementsLimit	int	0	All permitted values	Yes	No	The maxium statement count of this connection pool.
MinConnections	int	0	All permitted values	Yes	No	The minimum connection count of this connection pool.
PropertyCheckInterval	int	900	All permitted values	Yes	No	The interval to check property.
ReadTimeout	int	300000	All permitted values	Yes	No	Time out for Read operation.
TimeToLiveTimeout	int	0	All permitted values	Yes	No	The timeout for timeToLive.
ValidateConnection	boolean	false	All permitted values	Yes	No	If the connectionPool needs to validate a connection.

DeviceManagementService

The following properties are available for DeviceManagementService :

Table 4–33   DeviceManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BlockedDevices	Collection<BlockedDevice> (Structural property)	n/a	All permitted values	Yes	No	The list of devices that will not be allowed to access Oracle Beehive services.
UncertifiedDeviceAllowed	Boolean	false	All permitted values	Yes	No	Whether or not Oracle Beehive will allow uncertified devices to access the system.

DeviceManagementService.BlockedDevice

The following properties are available for DeviceManagementService.BlockedDevice :

Table 4–34   DeviceManagementService.BlockedDeviceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Description	String	n/a	All permitted values	Yes	No	Description as to why this device is blocked.
DeviceId	String	n/a	All permitted values	Yes	No	A unique identifier of the device.

DiagnosabilitySettings

The following properties are available for DiagnosabilitySettings :

Table 4–35   DiagnosabilitySettingsProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BaseErrorCodeProperties	DiagnosabilitySettings.ErrorCodeProperties	n/a	All permitted values	Yes	Yes	The default properties used by Error Code DB Persistence and Error Code log records
ContextProperties	DiagnosabilitySettings.ContextProperties	n/a	All permitted values	Yes	Yes	Subobject with properties for the Diagnosability Context
ErrorCodeDBPersistenceEnabled	Boolean	false	All permitted values	Yes	No	When enabled, some error code occurrences will be persisted to the database, based on the the values of the sub-objects BaseErrorCodeProperties and ErrorCodeDBProperties.
ErrorCodeDBProperties	DiagnosabilitySettings.ErrorCodeProperties	n/a	All permitted values	Yes	No	If exists, this object overrides the values in BaseErrorCodeProperties for Error Code Database persistence.
ErrorCodeLoggingProperties	DiagnosabilitySettings.ErrorCodeProperties	n/a	All permitted values	Yes	No	If exists, this object overrides the values in BaseErrorCodeProperties for Error Code log records.
ProbeEnabled	Boolean	false	All permitted values	Yes	No	Enable the instrumentation of requests with the diagnosability probe.

DiagnosabilitySettings.ContextProperties

The following properties are available for DiagnosabilitySettings.ContextProperties :

Table 4–36   DiagnosabilitySettings.ContextPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
IncludeCallerStacks	Boolean	false	All permitted values	Yes	No	If enabled, Stack traces within each service will be propagated to any callee services
PropagationEnabled	Boolean	true	All permitted values	Yes	No	Enable Diagnosability Context propagation. If disabled, ECID, service instance stacks, and caller stacks will not be propagated over CSI calls or to the Database.

DiagnosabilitySettings.ErrorCodeProperties

The following properties are available for DiagnosabilitySettings.ErrorCodeProperties :

Table 4–37   DiagnosabilitySettings.ErrorCodePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ExcludedErrorCodes	List<String>	n/a	All permitted values	Yes	No	If set, none of these error codes listed will be reported, in conjunction with ReportingSeverityThreshold. This property and IncludedErrorCodes cannot be set at the same time.
IncludeStackTraces	Boolean	false	All permitted values	Yes	No	If enabled, stack traces will be included with each reported Error Code occurrence.
IncludedErrorCodes	List<String>	n/a	All permitted values	Yes	No	If set, only the list of error codes here will be persisted. It is not recommended that this property be set. This property and ExcludedErrorCodes cannot be used at the same time.
LoggingSeverity	Level (Legal values: SEVERE, WARNING, INFO, CONFIG, FINE, FINER, FINEST)	FINER	All permitted values	Yes	No	All error codes reported to log files, will be written at this severity level. This property is ignored by Error Code database persistence.
ReportingSeverityThreshold	Level (Legal values: SEVERE, WARNING, INFO, CONFIG, FINE, FINER, FINEST)	INFO	All permitted values	Yes	No	Minimum Error Code severity required to report an Error Code occurrence, to the applicable persistence type

DiscussionsService

No other properties exist for DiscussionsService .

EmailService

The following properties are available for EmailService :

Table 4–38   EmailServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CSIProperties	EmailService.CSI Properties	n/a	All permitted values	No	Yes	long description key not set
CoexUserLocal	boolean	false	All permitted values	Yes	No	If true, Coexisting users (sometimes referred to as users with a remote Inbox) will have their email forwarded to another server via the routing rules of the system. If false, the property indicating that the Inbox is remote is ignored.
DirectoryCacheTTL	long	60000	Min=0, Max=922337 20368547758 07	Yes	No	Maximum time (in milliseconds) that an address will remain cached within the server. Note that this becomes the maximum time for a change to a users information (email address) or a group membership before changes are seen.
GlobalDomainName	String	default	All permitted values	Yes	No	The domain name used throughout the system. Note: This value may be overridden in certain parts of the system.
IMAPEnabled	boolean	true	All permitted values	Yes	No	Specifies whether or not Oracle Beehive's native Internet Message Access Protocol (IMAP) services are enabled. Valid values: true, false
IMAPProperties	EmailService.IM APProperties	n/a	All permitted values	No	Yes	long description key not set
LocalEmailPatterns	List<String>	n/a	All permitted values	Yes	No	The list of valid e-mail address patterns for users of the system
MaxDirectoryCacheEn tries	int	8192	Min=0, Max=214748 3647	Yes	No	The maximum number of resolved e-mail addresses that the system will cache in memory
MaxMailSz	long	50000000	Min=0, Max=922337 20368547758 07	Yes	No	The maximum size of an e-mail allowed by the system. The system will reject e-mail messages that exceed this threshold. Note this value is invlusive of the entire message (headers, attachments, etc).
NonLocalEmailPattern s	List<String>	n/a	All permitted values	Yes	No	The list of valid e-mail address patterns to which the system will forward e-mail messages. Typically, this property is used to specify patterns for e-mail addresses that are hosted on other systems.
PersistenceProperties	EmailService.Pers istenceProperties	n/a	All permitted values	No	Yes	long description key not set
SMTPEnabled	boolean	true	All permitted values	Yes	No	Specifies whether or not Oracle Beehive's native Simple Mail Transport Protocol (SMTP) service is enabled. Valid values: true, false

Table 4–38   (Cont.) EmailServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SMTPProperties	EmailService.SMTPProperties	n/a	All permitted values	No	Yes	long description key not set
SaveParseErrorEmails	boolean	false	All permitted values	Yes	No	Specifies whether or not the system will save e-mail messages that it cannot parse. The system will save unparsed e-mail messages in a local directory under the persistent storage root. Valid values: true, false
SubjectSortingGroupingRules	List<String>	[(^\[[fF][wW]][dD]:( )*)((.)*)(\]$), 3]	All permitted values	Yes	No	List of regular expressions and group numbers, interleaved so item i+1 denotes group to be returned for matched expression i where i = sequence 0, 2, 4,... etc.
SubjectSortingReplacementRules	List<String>	[[\t\n\r], , ^( )+, , ( )+$, , ( )+, , ^([rR][eE] \|[fF][wW][dD]?):, , \([fF][wW] [dD]\)$,]	All permitted values	Yes	No	List of regular expressions and replacement strings, interleaved so item i+1 denotes replacement string for matched expression i where i = sequence 0, 2, 4,... etc.
TimeoutCheckingInterval	long	60000	Min=0, Max=922337 20368547758 07	Yes	No	The best resolution (precision) for any timeout in the email system. Applies to several protocols and facilities. This is the tolerance band for any email-related timeout.
TransportProperties	EmailService.TransportProperties	n/a	All permitted values	No	Yes	long description key not set
WebRedirectUrl	String	webui?coll abid=	All permitted values	Yes	No	URL prefix used for assembling valid Web addresses for artifact IDs. Used to generate MIME representations of online attachment addresses. When a user clicks a resulting URL, the Oracle Beehive Web client page will open with the attached artifact.

EmailService.CSIProperties

The following properties are available for EmailService.CSIProperties :

Table 4–39   EmailService.CSIPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
StreamBufferSize	int	8192	Min=0, Max=2147483647	Yes	No	long description key not set
StreamMaxReadChunkSize	int	16384	Min=0, Max=2147483647	Yes	No	long description key not set
StreamMaxWriteChunkSize	int	16384	Min=0, Max=2147483647	Yes	No	long description key not set
StreamPreFetchSize	int	0	Min=-1, Max=2147483647	Yes	No	long description key not set
StreamTimeout	long	300000	Min=0, Max=9223372036854775807	Yes	No	Timeout (in relative milliseconds) until an inactive stream of mail data is abandoned, under the assumption the client has lost connectivity with the server or has crashed.

EmailService.EndpointProperties

The following properties are available for EmailService.EndpointProperties :

Table 4–40   EmailService.EndpointPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
EndpointName	String	default	All permitted values	Yes	No	Name of the endpoint
EndpointScheme	String	default	All permitted values	Yes	No	Scheme for this endpoint.

EmailService.IMAPProperties

The following properties are available for EmailService.IMAPProperties :

Table 4–41   EmailService.IMAPPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AssumeSingleEndpoint	boolean	true	All permitted values	Yes	No	If this property is true, the Port property will be used as the listening port. This is a simplification over the more complex list of Endpoints which permit multiple ports for a single instance.
CacheMessageSize	long	12	Min=1, Max=9223372036854775807	Yes	No	Property giving the approximate size in bytes of each message cached in memory
ClientKeepAliveInterval	long	10000	Min=0, Max=9223372036854775807	Yes	No	Get the interval after which some unsolicited response is sent to a client to keep it active (in millseconds)

Table 4–41 (Cont.) EmailService.IMAPPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
EndpointPropertiesList	List<EndpointProperties> (Structural property)	n/a	All permitted values	Yes	No	If Assume Single Endpoint is false, this property defines a list of listening endpoints.
FolderCacheDirectory	String	../../beehive/mailspool/temp/imap	All permitted values	Yes	No	The IMAP folder cache directory. IMAP will store temporary files in this directory
FolderOpenBatchSize	int	1000	Min=1, Max=2147483647	Yes	No	Property controlling the batch size IMAP uses to drain the cursor while opening a folder for SELECT or EXAMINE. Setting a small number will reduce memory usage but will impact performance
FolderPollingInterval	long	20000	Min=0, Max=9223372036854775807	Yes	No	The interval by-which the database is polled for changes to the currently selected IMAP folder
FolderSyncBatchSize	int	50	Min=1, Max=2147483647	Yes	No	Get the batch size used for checking updates to folders
LoginErrorThreshold	int	3	Min=0, Max=2147483647	Yes	No	Get the number of login errors tolerated before the connection is forcibly closed.
MaxFolderCacheSize	long	52428800	Min=0, Max=2147483647	Yes	No	Property controlling the maximum amount of memory available for IMAP folder caching
MaxSessions	int	1024	Min=0, Max=2147483647	Yes	No	Maximum number of IMAP sessions server will permit per service instance
MessageLoadBatchSize	int	50	Min=0, Max=2147483647	Yes	No	Property controlling the batch size IMAP uses to load messages from the database. Setting a small number will reduce memory usage but will impact performance. A larger number will improve performance but will increase memory usage per selected folder
ParseErrorThreshold	int	3	Min=0, Max=2147483647	Yes	No	The number of consecutive parser errors tolerated before the connection is forcibly closed.
Port	int	143	Network Port, Min=1, Max=65536	Yes	No	If the property Assume Single Endpoint is enabled (true), then this is the port which the IMAP server will use to accept new connections. If Assume Single Endpoint is false, this property is ignored.
ServerSessionConcurrency	int	23	Min=1, Max=2147483647	Yes	No	Max number of concurrent sessions which can be serviced as a given moment
SessionTimeout	long	1800000	Min=0, Max=9223372036854775807	Yes	No	The duration in millseconds after which inactive IMAP sessions are automatically logged out and closed.

Table 4–41   (Cont.) EmailService.IMAPPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ShowInstanceNameInBanner	boolean	false	All permitted values	Yes	No	Show IMAP server instance ID in protocol banner display, it identifies a specific application server process that hosts the IMAP server. This can be enabled to help diagnostics when problem arises.
StreamReadBufferSize	int	32768	Min=1, Max=2147483647	Yes	No	Size of temp buffer used when reading from a client stream
SurrogateAuth	boolean	false	All permitted values	Yes	No	If true, IMAP allows surrogate authentication during login
TlsMandatory	boolean	false	All permitted values	Yes	No	If true, when UseTls is enabled IMAP makes STARTTLS mandatory.
UseTls	boolean	false	All permitted values	Yes	No	If true, IMAP advertises STARTTLS capability.

EmailService.PersistenceProperties

The following properties are available for EmailService.PersistenceProperties :

Table 4–42   EmailService.PersistencePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CopyBatchSize	int	1000	Min=1, Max=1000	Yes	No	long description key not set
DeleteBatchSize	int	1000	Min=1, Max=1000	Yes	No	long description key not set
DurableFileRoot	String	../../beehive/mailspool/perm	All permitted values	Yes	No	Root directory under which a cache of emails will be maintained. This directory should be visible only to the operating system user of the instance, as it contains sensitive data (emails). If a relative path is used rather than absolute, it will be relative to the home directory of the instance
MaxDbConnRetry	int	2	Min=1, Max=2147483647	Yes	No	Maximum number of attempts to retry a database operation on connection failure. This is employed to support automatic fail-over on clustered database systems.
MaxFileCacheSz	long	500000000	Min=0, Max=9223372036854775807	Yes	No	Maximum size (in bytes) of the total Durable File cache.
MoveBatchSize	int	1000	Min=1, Max=1000	Yes	No	long description key not set
PldStoreCacheLinger	long	180000	Min=0, Max=9223372036854775807	Yes	No	Time (in milliseconds) for an unreferenced record to linger in the cache

Table 4–42   (Cont.) EmailService.PersistencePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
PldStoreMaxMemCachedRecords	int	2000	Min=0, Max=2147483647	Yes	No	Maximum number of memory cached records for payload store
PldStoreMaxOpenFDs	int	1000	Min=0, Max=2147483647	Yes	No	Maximum number of open file descriptors used as cache of files being read/written by payload store
PldStoreRecordCacheSz	int	50000	Min=0, Max=2147483647	Yes	No	Size of a cached payload record (in bytes).
PldStoreStreamBufSz	int	8192	Min=0, Max=2147483647	Yes	No	The size (in bytes) of the buffered streams used for file-cached records
TempFileRoot	String	../../beehive/mailspool/temp	All permitted values	Yes	No	Root directory under which temporary emails will be written to disk. This directory should be visible only to the operating system user of the instance, as it contains sensitive data (emails). If a relative path is used rather than absolute, it will be relative to the home directory of the instance.
UndeleteBatchSize	int	1000	Min=1, Max=1000	Yes	No	long description key not set
UpdateFlagsBatchSize	int	1000	Min=1, Max=1000	Yes	No	long description key not set

EmailService.SMTPProperties

The following properties are available for EmailService.SMTPProperties :

Table 4–43   EmailService.SMTPPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AssumeSingleEndpoint	boolean	true	All permitted values	Yes	No	If this property is true, the Port property will be used as the listening port. This is a simplification over the more complex list of Endpoints which permit multiple ports for a single instance.
Authentication	boolean	false	All permitted values	Yes	No	If true, the system will advertise the SMTP AUTH extension.
DSNEnabled	boolean	true	All permitted values	Yes	No	If true Delivery Status Notifications are sent when requested by client or by protocol convention
EndpointPropertiesList	List<EndpointProperties> (Structural property)	n/a	All permitted values	Yes	No	If Assume Single Endpoint is false, this property defines a list of listening endpoints.

Table 4–43 (Cont.) EmailService.SMTPPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Port	int	25	Network Port, Min=1, Max=65536	Yes	No	If the property Assume Single Endpoint is enabled (true), then this is the port which the SMTP server will use to accept new connections. If Assume Single Endpoint is false, this property is ignored.
SendMailEvenIfNoTls	boolean	false	All permitted values	Yes	No	If true, SMTP outbound sends mail even if remote server doesn't support TLS or STARTTLS command fails.
ServerSessionConcurrency	int	23	Min=1, Max=2147483647	Yes	No	long description key not set
UseTls	boolean	false	All permitted values	Yes	No	If true, the system will advertise the SMTP STARTTLS extension.
VMSEvaluator	String	default	All permitted values	Yes	No	This property controls how connections received on the different endpoints are mapped to the different virtual mail servers.
VMSPropertiesList	List<VMSProperties> (Structural property)	n/a	All permitted values	Yes	No	The list of virtual mail servers for this instance.

EmailService.SMTPProperties.VMSProperties

The following properties are available for
EmailService.SMTPProperties.VMSProperties :

Table 4–44 EmailService.SMTPProperties.VMSPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AuthMandatory	boolean	false	All permitted values	Yes	No	If true and Authentication is enabled, SMTP requires authentication before accepting mail.
CustomDisplayName	String	server	All permitted values	Yes	No	The custom name of the server, as will be seen on the initial salutation of the SMTP protocol. Note that this property is not read unless Use Default Display Name is set to false.
CustomDomainName	String	default	All permitted values	Yes	No	A domain name for this virtual mail server which differs from the system-wide domain name. This property is not used unless Use Default Domain Name is set to false.
CustomProductVersion	String	default	All permitted values	Yes	No	A custom version of the product, different than that which shipped from Oracle. This property is not used unless Use Custom Default Product Version is set to false.

Table 4–44   (Cont.) EmailService.SMTPProperties.VMSPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
LogAllExceptions	boolean	false	All permitted values	Yes	No	Should all exceptions be logged. Setting to false prevents reporting of the (many types of) problems that can occur with remote clients (esp in the Internet).
MaxAbortedTransitionsPerSession	int	100	Min=1, Max=2147483647	Yes	No	Maximum number of aborted transactions per session before the client is assumed to be engaging in some form of denial-of-service attack and is terminated.
MaxBadTransitionsPerSession	int	20	Min=1, Max=2147483647	Yes	No	Maximum number of illegal (out of sequence) SMTP commands before the session is assumed to be an attacker and is closed.
MaxCommandLineSize	int	2048	Min=1, Max=2147483647	Yes	No	Maximum size (in bytes) of a single SMTP line. Note that this value should not be set to the minimum defined in the SMTP specification, as some legitimate mail servers violate that specification. Rather, this value is intended to be large enough to accept mails from poor-conforming mail servers yet reject attempts at denial of service or buffer overflow attacks.
MaxRcptsPerTx	int	101	Min=1, Max=2147483647	Yes	No	Maximum number of recipients per transaction. It is advised to set this number above 100 as per the SMTP specification. When this number is exceeded, subsequent RCPT TO commands will receive an error.
MaxRejectedAddressesPerSession	int	1000	Min=0, Max=2147483647	Yes	No	Maximum number of rejected recipients before a given session is assumed to be illegitimate, and it terminated. This is useful to prevent address-harvesting by senders of unwanted email.
MaxSizeBeforeAttackSuspected	long	1000000000	Min=0, Max=9223372036854775807	Yes	No	Maximum email size received before the client is assumed to be engaged in a denial of service attack. Once this threshold is crossed, the client session is abruptly terminated. Note that this differs from Max Mail Size in that mails exceeding that value do not result in termination of the entire session.
MaxSzAbortTx	long	10000	Min=0, Max=9223372036854775807	Yes	No	Maximum size for an email on this virtual mail server. Note that Use Default Max Size must be set to false for this property to be read.

Table 4–44   (Cont.) EmailService.SMTPProperties.VMSPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxUselessCommandsPerSession	int	5000	Min=0, Max=2147483647	Yes	No	Maximum number of commands with no effect (e.g. NOOP) per session before we assume that the client is engaged in some form of denial of service attack.
NextCommandTimeout	int	301000	Min=1, Max=2147483647	Yes	No	Inactivity timeout (in milliseconds) for clients between issuing commands. Note that this does not include the SMTP DATA command.
NextDataChunkTimeout	int	301000	Min=1, Max=2147483647	Yes	No	Timeout (in milliseconds) waiting for next packet during the receive portion of the DATA command.
QuitWriteTimeout	int	60000	Min=1, Max=2147483647	Yes	No	Timeout (in milliseconds) waiting for remote client to consume the ACK of the QUIT command
RecipientMatcher	String	default	All permitted values	Yes	No	XML definition for the rule which determines whether to accept/reject the mailbox conveyed on the RCPT TO command of SMTP
RejectAll	boolean	false	All permitted values	Yes	No	If true, this virtual mail server will reject all connections.
SenderMatcher	String	default	All permitted values	Yes	No	XML definition for the rules which determine whether to accept/reject the mailbox conveyed on the MAIL FROM command of SMTP
ShowInstanceNameInBanner	boolean	false	All permitted values	Yes	No	Show SMTP server instance ID in protocol banner display, it identifies a specific application server process that hosts the SMTP server. This can be enabled to help diagnostics when problem arises.
SupressReceivedFrom	boolean	false	All permitted values	Yes	No	If true, the client IP/hostname will not be embedded in the RECEIVED header added to email headers.
SupressResponseText	boolean	false	All permitted values	Yes	No	If true, SMTP responses to not carry the debugging information in addition to the SMTP codes.
TlsMandatory	boolean	false	All permitted values	Yes	No	If true and UseTls is enabled, SMTP requires TLS.
UseDefaultDisplayName	boolean	false	All permitted values	Yes	No	If false, the Custom Display Name is used. Otherwise, the original product name is used.
UseDefaultDomainName	boolean	true	All permitted values	Yes	No	If false, this virtual mail server will advertise a domain different than the rest of the system.

Table 4–44 (Cont.) EmailService.SMTPProperties.VMSPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
UseDefaultMaxSz	boolean	true	All permitted values	Yes	No	If true, the global maximum email size will not be used an instead the Max Email Size defined for this virtual mail server will be used.
UseDefaultProductVersion	boolean	false	All permitted values	Yes	No	If false, the Custom Product Version is returned as part of the SMTP salutation
VMSName	String	default	All permitted values	Yes	No	The administrator-assigned name of this virtual mail server.

EmailService.TransportProperties

The following properties are available for EmailService.TransportProperties :

Table 4–45 EmailService.TransportPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AcceptInvalidLocalUsers	boolean	false	All permitted values	Yes	No	If true, if a message recipient is not found locally yet matches the pattern for local users, it is treated as a remote recipient and routed to the relay server. This is useful if there are multiple mail servers serving the same email domain.
DeliveryConcurrency	int	5	Min=1, Max=2147483647	Yes	No	The maximum number of concurrent threads which will be dedicated to delivering a given email. This is employed when a single email is destined for a large number of recipients, and serves to prevent high-recipient emails from consuming excessive system resources.
DeliveryRules	String	default	All permitted values	Yes	No	XML Definition for the rules which determine, on a per recipient basis, how email should be delivered
InMemoryQueueSize	int	250	Min=0, Max=2147483647	Yes	No	Maximum number of emails received at a given instance which have yet to be processed. This can be thought of as a backlog of emails. Should this value be exceeded, emails will be received but not processed at the current instance.
KeepAliveInterval	long	300000	Min=60000, Max=9223372036854775807	Yes	No	long description key not set
LocalDeliveryBatchSize	int	100	Min=1, Max=2147483647	Yes	No	Number of recipients in a batch of local recipients. Local recipients are those who maintain an inbox within the current system.

Table 4–45   (Cont.) EmailService.TransportPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxReceivedHeaders	int	25	All permitted values	Yes	No	long description key not set
MaxRetryPeriod	long	432000000	Min=0, Max=9223372036854775807	Yes	No	Time (in milliseconds) after receipt of an email that delivery is no longer attempted.
MaximumDBMessage QueuePercentage	int	80	Min=0, Max=100	Yes	No	long description key not set
MinimumDBMessage QueuePercentage	int	20	Min=0, Max=100	Yes	No	long description key not set
MsgTerminusRules	String	default	All permitted values	Yes	No	XML definition of rules invoked as message is leaving the transport-portion of its lifecycle. This rule is invoked if the message is existing due to success (delivery) or failure (delivery failure, filter rule prevented transmission, etc)
PostDeliveryRules	String	default	All permitted values	Yes	No	XML Definition for the rules which determine, on a per recipient basis, how email should be delivered
PostResolutionRules	String	default	All permitted values	Yes	No	XML Definition for rules applied to emails after aliases are expanded
PreResolutionRules	String	default	All permitted values	Yes	No	XML Definition for rules applied to emails before aliases are expanded
ProcessingEnabled	boolean	true	All permitted values	Yes	No	If this value is false, it has the effect of preventing any received/delayed emails from being delivered.
QueuePollInterval	long	120000	Min=0, Max=9223372036854775807	Yes	No	long description key not set
RelayServer	String	default	All permitted values	Yes	No	If the property Simple Relay Mode is true, then this is the name of the relay server to be used.
RetryInterval	int	1800000	Min=-1, Max=2147483647	Yes	No	Time (in milliseconds) between delivery attempts for an email which has at least one undeliverable recepient.
SMTPDeliveryBatchSize	int	100	Min=1, Max=2147483647	Yes	No	The maximum number of recipients within a given SMTP transaction. As per the specifications for SMTP, this value should not exceed 100.

Table 4–45 (Cont.) EmailService.TransportPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SMTPDeliveryCheckpoint	int	5	Min=1, Max=2147483647	Yes	No	This value controls how often the status of recipients is recorded during delivery of messages to large number of recipients/domains. If this value is small, there is less of a chance of duplicate mail in the event of a system crash. However, smaller settings for this value result in more system load.
ScanOnUpload	boolean	false	All permitted values	Yes	No	If true, emails are scanned as they are uploaded to the system. Upload includes IMAP APPEND as well as API calls which insert, rather than send, emails. Scanning on send is controlled by the pre/post resolution rules.
SimpleRelayMode	boolean	true	All permitted values	Yes	No	If true, the XML-based Delivery Rules are not used. Instead, a simpler configuration is assumed where the administrator need only supply a relay host (via the Relay Server property). If this value is true yet the Relay Server is unset, an error will be issued and email delivery will be prevented.
ThreadPoolSize	int	10	Min=1, Max=2147483647	Yes	No	Number of threads within the processing thread pool

Enterprise

The following properties are available for Enterprise :

Table 4–46   EnterpriseProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CollabId	CollabId	n/a	All permitted values	No	Yes	The Collabid of this Enterprise
Database	Database	n/a	All permitted values	Yes	Yes	tenant-specific storage if defined, otherwise if this is null then business data for the tenant is stored in the common database referenced by Site.
ErrorCodeDBPersistenceEnabled	Boolean	n/a	All permitted values	Yes	Yes	whether java error code persistence is enabled.
Name	String	n/a	All permitted values	Yes	No	the name of the system object.
VirusScanEngineCluster	VirusScanEngineCluster	n/a	All permitted values	Yes	Yes	tenant-specific virus scan engine cluster if defined, otherwise if this is null then use the one defined at the Site or assume that no scan engine is configured.

EventService

The following properties are available for EventService :

Table 4–47   EventServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AsyncActionRetryCount	int	5	All permitted values	Yes	No	The Event Service will retry the specified number of times when the action handler fails to process the event. The Event Service moves the event to the failed queue after it has retried the specified number of times. Also see AsyncActionRetryInterval parameter.
AsyncActionRetryInterval	int	5	All permitted values	Yes	No	Time interval in minutes between retries of failed action. Also see AsyncActionRetryCount parameter.
AsyncLogLevel	Level (Legal values: SEVERE, WARNING, INFO, CONFIG, FINE, FINER, FINEST)	WARNING	All permitted values	Yes	No	The log level is used by the Business Event processing engine to determine the detail of the logs written. The log level of FINEST will write the most detailed log messages, and SEVERE will log the least.
MaxThreadPoolSize	int	10	All permitted values	Yes	No	A correctly sized thread pool will be able to keep up with the load of the java action queue. If the action queue keeps growing, and the Event Service is not able to keep up with the load, then this value should be increased. Be aware a larger pool size may require more database and mid-tier resources to keep up with the load.
PreEvaluateThresholdRuleCount	int	1000	All permitted values	Yes	No	The purpose of this parameter is to tune the overall system performance in regards to event processing. The threshold number is in relationship to the total number of subscription conditions (or rules) per event type (such as DOCUMENT, EMAIL, CALENDAR, etc.). If this number is smaller than the total number of rules, and the total number of rules is very large, it is possible that pre-evaluating the rules can take more time. If this number is larger than the total number of rules, the Event Service will not pre-evaluate any rules. It will automatically queue all events which may not have any matching subscriptions, and therefore not be very efficient.

ExternalBpelProcessManager

The following properties are available for ExternalBpelProcessManager :

Table 4–48   ExternalBpelProcessManagerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdminPassword	SecureString	n/a	All permitted values	Yes	No	the password of the oc4j admin user
AdminUsername	String	oc4jadmin	All permitted values	Yes	No	the name of the oc4j admin user
BpelCluster	BpelCluster	n/a	All permitted values	No	No	The BPEL Cluster that this BPEL Process Manager belongs to.
Hostname	String	n/a	All permitted values	Yes	No	the hostname used for generating urls to access the application.
Oc4jName	String	n/a	All permitted values	No	No	the name of the oc4j
OpmnRequestPort	int	n/a	All permitted values	Yes	No	the opmn request port for generating urls to access the application.

ExternalJ2eeApplication

The following properties are available for ExternalJ2eeApplication :

Table 4–49   ExternalJ2eeApplicationProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdminPassword	SecureString	n/a	All permitted values	Yes	No	the password of the oc4j admin user
AdminUsername	String	oc4jadmin	All permitted values	Yes	No	the name of the oc4j admin user
Hostname	String	n/a	All permitted values	Yes	No	the hostname used for generating urls to access the application.
Oc4jName	String	n/a	All permitted values	No	No	the name of the oc4j
OpmnRequestPort	int	n/a	All permitted values	Yes	No	the opmn request port for generating urls to access the application.

FaxMessageService

The following properties are available for FaxMessageService :

Table 4–50   FaxMessageServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DebugFlags	Integer	n/a	All permitted values	Yes	No	description bundle not set

FtpService

The following properties are available for FtpService :

Table 4–51 FtpServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ActiveModeEnabled	boolean	false	All permitted values	Yes	No	description not found Can't find resource for bundle oracle.ocs.management.model. FtpBundle, key FTP_ENABLE_ ACTIVE_LONG_DESC
ChannelSecurity	String	PLAIN_ AND_TLS	All permitted values	Yes	No	Specifies the types of connections the system will accept.Valid values are TLS,PLAIN and PLAIN_TLS.
DMSInstrumentation	boolean	false	All permitted values	Yes	No	Collects DMS statistics if the value is set to TRUE.
DataConnectionPort	int	21000	Network Port, Min=1, Max=65536	Yes	No	Starting port number from which FTP data connections are created in passive mode.
DefaultCommandChar acterset	String	UTF-8	All permitted values	Yes	No	Default command character set used to interpret FTP commands and arguments.
DefaultDataPort	int	2120	Network Port, Min=1, Max=65536	Yes	No	The default data port number from which the FTP server will make outbound connections in PORT mode..
FtpServerEnabled	boolean	true	All permitted values	Yes	No	Specifies whether or not the BEEHIVE FTP server is enabled. If enabled (true), the FTP server accepts client requests. Valid values: true, false.
InternalIP	String	DEFAULT	All permitted values	Yes	No	This parameter gives the IP address that needs to be returned as response to PASV command for DMZ deployments.
ListeningPoint	String	DEFAULT	All permitted values	Yes	No	Listening points (network interface groups) that the system's FTP server will support. Valid values are : INTERNAL, EXTERNAL, DEFAULT and INTERNAL_ EXTERNAL.
MaxDCPortCount	int	1000	All permitted values	Yes	No	The maximum number of ports the FTP service can use for passive listening.

Table 4–51   (Cont.) FtpServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Port	int	2121	Network Port, Min=1, Max=65536	Yes	No	The port at which the FTP server listens for client requests.
SessionTimeout	int	900000	All permitted values	Yes	No	The amount of time (in milliseconds) that the FTP server will wait for a request from a connected client before terminating the session..
UploadBufferSize	int	260096	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while uploading stream data. Deployments that typically stream small files, as well as those with limited midtier memory, may improve performance by setting this value below the default. Deployments with a large amount of midtier memory may likewise improve performance by setting this value above the default.

HttpServer

The following properties are available for HttpServer :

Table 4–52   HttpServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BeehiveInstance	BeehiveInstance	n/a	All permitted values	No	No	The BeehiveInstance with which this HttpServer is associated.
DocRootLimitExcept	String	GET POST	All permitted values	Yes	No	Restrict access controls to all HTTP methods except the named ones.
HttpListenPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The port to which the http server listens. This port is used when starting without SSL
HttpServerCluster	HttpServerCluster	n/a	All permitted values	Yes	No	Each httpserver is associated with a cluster and each site typically has atleast one and only cluster. A HttpServerCluster has properties common to all httpserver's in the cluster.
HttpSslListenPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The port to which the http server listens when ssl is enabled. This port is used when starting with SSL
KeepAliveTimeout	Integer	15	All permitted values	Yes	No	description not found Can't find resource for bundle oracle.ocs.management.model.SystemModelBundle, key OHS_KEEP_ALIVE_TIME_OUT_LONG_DESC

Table 4–52 (Cont.) HttpServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
LogLevel	HttpServer.HttpServerLogLevel (Legal values: emerg, alert, crit, error, warn, notice, info, debug)	notice	All permitted values	Yes	No	Controls the verbosity of the ErrorLog. The following levels are available, in order of decreasing significance:emerg, alert, crit, error, warn, notice, info and debug.
MaxClients	Integer	150	All permitted values	Yes	No	Limit on the number of clients who can simultaneously connect. if this limit is ever reached, clients will be LOCKED OUT, so it should NOT BE SET TOO LOW. It is intended mainly as a brake to keep a runaway server from taking the system with it as it spirals down.
OsGroup	String	n/a	All permitted values	No	Yes	The group to run httpd as.
OsUser	String	n/a	All permitted values	No	Yes	The user to run httpd as.
SSLLogLevel	HttpServer.HttpServerSSLLogLevel (Legal values: none, error, warn, info, trace, debug)	warn	All permitted values	Yes	No	Controls the verbosity of the SSL ErrorLog. The following levels are available, in order of decreasing significance:none, error, warn, info, trace, and debug.
ServerAdmin	String	" "	All permitted values	Yes	No	Your address, where problems with the server should be e-mailed. This address appears on some server-generated pages, such as error documents.
ServerRoot	String	n/a	All permitted values	No	Yes	The top of the directory tree under which the server's configuration, error, and log files are kept.
Timeout	Integer	60	All permitted values	Yes	No	The number of seconds before receives and sends time out.

HttpServerCluster

The following properties are available for HttpServerCluster :

Table 4–53 HttpServerClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
HttpServerSslEnabled	Boolean	true	All permitted values	Yes	No	If Http ssl is enabled in this HttpServer Cluster.
HttpServers	Set<HttpServer> (Structural property)	n/a	All permitted values	Yes	No	The set of HttpServer's associated with this cluster.
SslTerminatedByLoadBalancer	Boolean	false	All permitted values	Yes	No	If Http ssl is terminated by the load balancer.

IdMap

The following properties are available for IdMap :

Table 4–54   IdMapProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Map	Map<String,String>	n/a	All permitted values	Yes	No	Specifies the map of identity format to identity mapping attribute. Valid identity format values include: unspecified; email_addr; x509_subject; windows_dqn. Valid identity mapping attribute could be any User Directory Service address attribute.

IdentityProviderService

The following properties are available for IdentityProviderService :

Table 4–55   IdentityProviderServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
IdpSAMLIdentity	SAMLIdentity	n/a	All permitted values	Yes	No	Specifies the alias to the key and/or certificate of the Oracle Beehive SAML identity provider listed in the Oracle Wallet.
IdpUrl	String	n/a	All permitted values	Yes	No	Specifies the URL of the SAML identity provider for system.
SpSAMLIdentity	SAMLIdentity	n/a	All permitted values	Yes	No	Specifies the alias to the key and/or certificate of the Oracle Beehive SAML service provider listed in the Oracle Wallet.
SpUrl	String	n/a	All permitted values	Yes	No	Specifies the URL of the SAML service provider.

ImService

The following properties are available for ImService :

Table 4–56   ImServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ArchivingEnabled	boolean	false	All permitted values	Yes	No	long description key not set
DbRetryCount	int	6	Min=0, Max=12	Yes	No	The maximum number of times a pl/sql procedure will be re-tried in occurence of any retryable exception. Initial value is set to 6. Minimum allowed value is 0 and maximum allowed value is 12.
DbRetryTimeout	int	5	Min=2, Max=30	Yes	No	The amount of time in secs ImService shall wait before retrying a pl/sql procedure call in case the previous invocation led to a retryable exception. Initial value is set to 5 secs. Minimum allowed value is 2 secs and maximum allowed value is 30 secs.
ImBufferStageSize	int	500000	Min=100000, Max=3000000	Yes	No	This value defines the maximum size of the buffer to keep instant messages in memory before they are written into database as transcripts. The default value is 500Kb. Please note that the instant messages can be written to db before this maximum is reached. This is possible on account of expiration of im_purging_period_timer.

Table 4–56   (Cont.) ImServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ImEndPointDeathDetectionTime	int	5	Min=5, Max=300	Yes	No	This property allows the admin to set the time interval at which the ImServiceInstance should send KEEP_ALIVE packets to the IPAs. This enables the IPAs to detect any ImService instance going down. The value is in seconds with a default of 5 s.
ImPurgingPeriodTimer	int	300	Min=60, Max=600	Yes	No	This value allows the admin to set the maximum time for which instant messages can be buffered in memory before they are written to DB in chunks. The default is 300 secs. Please note that the instant messages can be written to db even before this timer expires. This is possible on account of the buffer reaching its maximum size limit as defined by the im_buffer_stage_size property.
PendingMessagesLimit	int	1100	Min=11, Max=2147483647	Yes	No	This value sets the limit on the number of pending messages on the bus session before the send operation blocks. This is used for flow control of messages. The default value is of 1100. A larger value allows for more concurrency and lower value allows for less concurrency. This value also effects the memory usage determined by the pending messages in the session buffer.

JavaExecutionArguments

The following properties are available for JavaExecutionArguments :

Table 4–57   JavaExecutionArgumentsProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdditionalOptions	Set<String>	n/a	All permitted values	Yes	No	The set of additional options for the system's Java Virtual Machine (JVM). Each option must be a legal option supported by the JVM, for example -Dproperty=value to set a system property value. This an ADVANCED property which you do not typically need to modify.

Table 4–57 (Cont.) JavaExecutionArgumentsProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
InitialHeapSizeInMB	Integer	n/a	Custom, contact dev lead	Yes	No	The initial heap size in megabytes (MBs) of the Java Virtual Machine (JVM).
MaximumHeapSizeInMB	Integer	n/a	Custom, contact dev lead	Yes	No	The maximum heap size in megabytes (MBs) of the Java Virtual Machine (JVM).
MaximumPermanentGenerationSizeInMB	Integer	n/a	Custom, contact dev lead	Yes	No	The maximum permanent generation size in megabytes (MBs) of the Java Virtual Machine (JVM).

JcrServletService

The following properties are available for JcrServletService :

Table 4–58 JcrServletServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AuthenticationScheme	String	BASIC	Custom, contact dev lead	Yes	No	Specifies the JCR server's authentication scheme. Valid values: basic, digest.
JCRServerEnabled	boolean	true	All permitted values	Yes	No	Specifies whether or not the BEEHIVE Java Content Repository (JCR) server is enabled. If enabled (true), the JCR server accepts client requests else it throws an appropriate exception. Valid values: true, false
JcrSessionTimeout	int	960	Custom, contact dev lead	Yes	No	The amount of time (in minutes) that the JCR server will wait for a request from a connected client before terminating the session.
MaxDownloadBufferSize	int	261888	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while downloading stream data. Deployments that typically stream small files, as well as those with limited midtier memory, may improve performance by setting this value below the default. Deployments with a large amount of midtier memory may likewise improve performance by setting this value above the default.
UploadBufferSize	int	260096	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while uploading stream data. Deployments that typically stream small files, as well as those with limited midtier memory, may improve performance by setting this value below the default. Deployments with a large amount of midtier memory may likewise improve performance by setting this value above the default.

LdapServer

The following properties are available for LdapServer :

Table 4–59   LdapServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DigestAuthentication Attribute	String[]	n/a	All permitted values	Yes	No	Specifies the LDAP attributes to be used for the various digest authentication protocols. The attribute entry format is [attribute type]:[attribute name]'. The valid attribute types are DEFAULT, SASL.DIGEST_MD5, and HTTP.DIGEST. e.g. DEFAULT:userPassword;SASL .DIGEST_ MDS:mySaslDigestAttribute
DirectoryType	LdapServer.Direc toryType (Legal values: ORACLE_ INTERNET_ DIRECTORY, MICROSOFT_ ACTIVE_ DIRECTORY, SUN_ONE_ DIRECTORY, IBM_TIVOLI_ DIRECTORY, OPENLDAP_ DIRECTORY, OTHER)	n/a	All permitted values	Yes	No	Specifies the LDAP directory type. The valid values are ORACLE_INTERNET_ DIRECTORY, MICROSOFT_ ACTIVE_DIRECTORY, SUN_ ONE_DIRECTORY, IBM_ TIVOLI_DIRECTORY, and OTHER.
GroupObjectClass	String	n/a	All permitted values	Yes	No	Specifies the LDAP group object class. e.g. groupOfUniqueNames
GroupSearchBase	String	n/a	All permitted values	Yes	No	Specifies the LDAP group search base DN.
LdapServerConnection Timeout	int	120	All permitted values	Yes	No	long description key not set
LdapServerHostName	String	n/a	All permitted values	Yes	No	Specifies the LDAP server hostname.
LdapServerPassword	SecureString	n/a	All permitted values	Yes	No	Specifies the password of the user that is used to bind to the LDAP server.
LdapServerPort	int	389	Network Port, Min=1, Max=65536	Yes	No	Specifies the LDAP server port.
LdapServerSslPort	int	636	Network Port, Min=1, Max=65536	Yes	No	Specifies the LDAP server secure port.
LdapServerUser	String	n/a	All permitted values	Yes	No	Specifies the user that should be used to bind to the LDAP server. The user must have read access to the attributes of all Beehive users.
PrimaryAuthenticatio nAttribute	String		All permitted values	Yes	No	Specifies the LDAP attribute that stores the primary principal in LDAP. e.g. uid

Table 4–59 (Cont.) LdapServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
PrimaryAuthenticationCredential	String	not applicable	All permitted values	No	No	Specifies the LDAP attribute that stores the secret for the primary authentication attribute.
ProtocolAuthenticationAttribute	String	not applicable	All permitted values	No	No	Specifies the LDAP attribute that stores the ASCII (7-bit) principal for the clients that do not support multi-byte string.
ProtocolAuthenticationCredential	String	not applicable	All permitted values	No	No	Specifies the LDAP attribute that stores the secret for the ASCII (7-bit) principal used for the authentication of clients that do not support multi-byte string.
SslEnabled	boolean	false	All permitted values	Yes	No	Specifies whether or not SSL should be used to connect to the LDAP server.
UserObjectClass	String	n/a	All permitted values	Yes	No	Specifies the LDAP user object class. e.g. inetOrgPerson
UserSearchBase	String	n/a	All permitted values	Yes	No	Specifies the LDAP user search base DN.
UserSearchBaseForSync	String	n/a	All permitted values	Yes	No	Specifies the LDAP user search base DN for UDS sync.
VoiceAuthenticationAttribute	String	not applicable	All permitted values	No	No	Specifies the LDAP attribute that stores the voice principal in LDAP (used by voice clients).
VoiceAuthenticationCredential	String	not applicable	All permitted values	No	No	Specifies the LDAP attribute that stores the secret for the authentication of voice clients.

LoggingConfigurable.LoggingProperties

The following properties are available for LoggingConfigurable.LoggingProperties :

Table 4–60 LoggingConfigurable.LoggingPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BaseLogLevel	Level (Legal values: SEVERE, WARNING, INFO, CONFIG, FINE, FINER, FINEST)	WARNING	All permitted values	Yes	No	Base Log Level. It is the default when the log level is not configured through Module Log Level.
MaxFileSize	Long	10485760	All permitted values	Yes	No	Maximum log file size in bytes. A new log file is opened when the current file exceeds this size.

Table 4–60 (Cont.) LoggingConfigurable.LoggingPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxLogSize	Long	104857600	All permitted values	Yes	No	Maximum log size in bytes. It is the maximum total size of all log files combined.
ModuleLogLevel	Map<String,Level>	n/a	All permitted values	Yes	No	Module Log Level. You will use this advanced property under the guidance of a trained consultant who will explain the correct usage details. Each Logger can have it's log level configured through Module Log Level. It is a map from logger name to log level.
RotationFrequency	LoggingConfigurable.RotationFrequency (Legal values: HOURLY, DAILY, WEEKLY)	DAILY	All permitted values	Yes	No	The log file rotation frequency. Log files are rotated when they exceed the maximum log size and they are also rotated periodically according to the rotation frequency. Valid values are HOURLY, DAILY, and WEEKLY.

ManagedBpelProcessManager

The following properties are available for ManagedBpelProcessManager :

Table 4–61 ManagedBpelProcessManagerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BpelCluster	BpelCluster	n/a	All permitted values	No	No	The BPEL Cluster that this BPEL Process Manager belongs to.

ManagedOc4j

The following properties are available for ManagedOc4j :

Table 4–62 ManagedOc4jProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdminPassword	SecureString	n/a	All permitted values	Yes	No	the password of the oc4j admin user
AdminUsername	String	oc4jadmin	All permitted values	Yes	No	the name of the oc4j admin user
AjpPortMaxValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The maximum value for ajp port range
AjpPortMinValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The minimum value for ajp port range.
Applications	Set<BeehiveJ2eeApplication> (Structural property)	n/a	All permitted values	Yes	No	The list of BeehiveJ2eeApplications associated with the Oc4j instance.
BeehiveInstance	BeehiveInstance	n/a	All permitted values	No	No	The BeehiveInstance with which this ManagedOc4j is associated.

Table 4–62   (Cont.) ManagedOc4jProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CustomNonXaConfig	Map<String,Data base.ConnectionP ool> (Structural property)	n/a	All permitted values	Yes	No	Custom connection pool settings for non-XA keyed by service name.
CustomXaConfig	Map<String,Data base.ConnectionP ool> (Structural property)	n/a	All permitted values	Yes	No	Custom connection pool settings for XA keyed by service name.
JGroupPortMaxValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The maximum value for jgroup port range
JGroupPortMinValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The minimum value for jgroup port range
JmsPortMaxValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The maximum value for jms port range
JmsPortMinValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The minimum value for jms port range
ManagedOc4jCluster	ManagedOc4jClu ster	n/a	All permitted values	Yes	No	The Oc4jCluster which this ManagedOc4j belongs to. Each managedOc4j is associated with a cluster. An ManagedOc4jCluster has properties common to all oc4j's in the cluster.
Oc4jName	String	n/a	All permitted values	No	No	the name of the oc4j
PseudoTranslationEna bled	boolean	false	All permitted values	Yes	No	A Boolean flag that is used to enable/disable the pseudo-translation in Beehive Resource Bundle.
PseudoTranslationStra tegy	String	n/a	All permitted values	Yes	No	The class name of pseudo translation algorithm that will be used for translation process by Beehive Resource Bundle.
ResourceAdapterInsta nces	Set<ResourceAda pterInstance> (Structural property)	n/a	All permitted values	Yes	No	The list of ResourceAdapterInstances associated with the Oc4j instance.
RmiPortMaxValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The maximum value for rmi port range
RmiPortMinValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The minimum value for rmi port range
RmisPortMaxValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The maximum value for rmis port range
RmisPortMinValue	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The minimum value for rmis port range

Table 4–62 (Cont.) ManagedOc4jProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SipContainer	SipContainer	n/a	All permitted values	Yes	No	The SipContainer with which this ManagedOc4j is associated.
StartJavaExecutionArguments	JavaExecutionArguments	n/a	All permitted values	Yes	No	Arguments for the Java Virtual Machine when starting this component
StopJavaExecutionArguments	JavaExecutionArguments	n/a	All permitted values	Yes	No	Arguments for the Java Virtual Machine when starting this component

ManagedOc4jCluster

The following properties are available for ManagedOc4jCluster :

Table 4–63 ManagedOc4jClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdminPassword	SecureString	n/a	All permitted values	Yes	No	the password of the oc4j admin user
AjpsEnabled	boolean	false	All permitted values	Yes	No	If Ajps is enabled for this Oc4j cluster.
ManagedOc4js	Set<ManagedOc4j> (Structural property)	n/a	All permitted values	Yes	No	The set of Oc4j associated with this cluster.
OrmisEnabled	boolean	true	All permitted values	Yes	No	If ormis is enabled for this Oc4j Cluster.

ManagementService

The following properties are available for ManagementService :

Table 4–64 ManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AutoSyncSaveListenerSleepIntervalInSeconds	int	25	All permitted values	Yes	No	The interval (in seconds) after which the background task to synchronize any pending configuration changes to local configuration files will be invoked.
AutoSyncSaveListenerTimeoutInSeconds	int	20	All permitted values	Yes	No	The interval (in seconds) after which batched local configuration file changes will be saved and necessary actions like restarting processes initiated to effect the changes.
LocalFileSyncEnabled	boolean	false	All permitted values	Yes	No	When set to true, the management service detects changes to the system model and automatically updates local configuration files to be in sync.

Table 4–64   (Cont.) ManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
LogSearchMaximumResults	Integer	n/a	All permitted values	Yes	No	Maximum number of records returned when searching for logs.
LogSyncEnabled	boolean	true	All permitted values	Yes	No	Sets whether the background task for log synchronization is enabled.
LogUploadFilter	String	n/a	All permitted values	Yes	No	Filter for selecting the log files or directories to upload to the central repository so that they can be viewed or searched in the log viewer user interface.
LogUploadInterval	int	6	All permitted values	Yes	No	Frequency (in minutes) of the background log upload task.
SystemDataCollectorProperties	ManagementService.SystemDataCollectorProperties	n/a	All permitted values	Yes	No	long description key not set
UploadLevel	Level (Legal values: SEVERE, WARNING, INFO, CONFIG, FINE, FINER, FINEST)	OFF	All permitted values	Yes	No	Log records of this or higher level are uploaded to the configuration database.

ManagementService.SystemDataCollectorProperties

The following properties are available for ManagementService.SystemDataCollectorProperties :

Table 4–65   ManagementService.SystemDataCollectorPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CollectionInterval	int	300	Min=1, Max=2147483647	Yes	No	Time interval between executions of system data collector background task
CollectorEnabled	boolean	false	All permitted values	Yes	No	Enables or disables the system data collector background task.
SystemDataFileRotationInterval	int	180	Min=1, Max=525600	Yes	No	System data collector will rotate file after this interval
SystemDataFileRotationSize	int	100	Min=1, Max=1024	Yes	No	Rotation size for the file generated by system data collector

MobileDmService

The following properties are available for MobileDmService :

Table 4–66   MobileDmServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxClientConnections	int	1000	Min=100, Max=5000	Yes	No	Maximum number of concurrent mobile clients connections per Mobile DM Server instance.
MaxInvalidAttempts	int	3	Min=3, Max=10	Yes	No	Maximum number of invalid command attempts before the server closes the connection.
TtlAuthenticated	int	30	Min=15, Max=60	Yes	No	Timeout for authenticated sessions in minutes.
TtlUnauthenticated	int	1	Min=1, Max=10	Yes	No	Timeout for non-authenticated sessions in minutes.

NamedSystemObject

The following properties are available for NamedSystemObject :

Table 4–67   NamedSystemObjectProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Name	String	n/a	All permitted values	Yes	No	the name of the system object.

NotificationDeliveryService

The following properties are available for NotificationDeliveryService :

Table 4–68   NotificationDeliveryServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ActionAskSettings	NotificationDeliveryService.ActionAskSettings (Structural property)	n/a	All permitted values	Yes	No	description not found Can't find resource for bundle oracle.ocs.management.model.NotificationDeliveryServiceBundle, key ACTION_ASK_SETTINGS_LONG_DESCRIPTION
ActionableNotificationReplyDisabled	boolean	false	All permitted values	Yes	No	Disables actionable notification responses.
ActionableNotificationUser	CollabId	n/a	All permitted values	Yes	No	Defines the actionable notification user identifier.
DeliveryPoolSize	int	20	Min=1, Max=100	Yes	No	This value defines how many threads will be used for the delivery processing thread pool. The default value is 20.
MaxDeliveryStatusAge	int	15	Min=1, Max=365	Yes	No	This value defines how long delivery records will be retained in the system. The default value is 15 days.
MaxTrackingAge	int	15	Min=1, Max=365	Yes	No	Age to keep notification history to avoid duplicate notifications.

Table 4–68   (Cont.) NotificationDeliveryServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SmsSettings	NotificationDeliveryService.SmsSettings	n/a	All permitted values	Yes	No	Defines SMS settings.
SystemUserName	String	SYSTEM	All permitted values	Yes	No	description not found Can't find resource for bundle oracle.ocs.management.model.NotificationDeliveryServiceBundle, key SYSTEM_USER_NAME_LONG_DESCRIPTION
XmsSettings	NotificationDeliveryService.XmsSettings	n/a	All permitted values	Yes	No	Defines the XMS credential settings used for SMS delivery when SmsMode is set to XMS.

NotificationDeliveryService.SmsSettings

The following properties are available for NotificationDeliveryService.SmsSettings :

Table 4–69   NotificationDeliveryService.SmsSettingsProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxSmsChunks	int	5	Min=1, Max=255	Yes	No	This value defines the maximum number of chunks a single SMS can be broken into before it is truncated. The default value is 5.
ShortCode	String		All permitted values	Yes	No	Defines the SMS shortcode used for outbound SMS deliveries.
ShortCodeType	NotificationDeliveryService.SmsSettings.ShortCodeType (Legal values: INTERNATIONAL, NATIONAL, NETWORK, SUBSCRIBER, ALPHANUMERIC, ABBREVIATED)	INTERNATIONAL	All permitted values	Yes	No	description not found Can't find resource for bundle oracle.ocs.management.model.NotificationDeliveryServiceBundle, key SMS_SHORT_CODE_TYPE_LONG_DESCRIPTION
SmsMode	NotificationDeliveryService.SmsSettings.SmsMode (Legal values: XMS, SMPP)	SMPP	All permitted values	Yes	No	This value defines how the built-in SMS delivery handler will process SMS delivery requests. Possible values: XMS, SMPP, VERISIGN. The default value is XMS.

NotificationDeliveryService.WebProxySettings

The following properties are available for NotificationDeliveryService.WebProxySettings :

Table 4–70   NotificationDeliveryService.WebProxySettingsProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Enabled	boolean	false	All permitted values	Yes	No	Enables the usage of the web proxy settings for http/https requests.
ProxyHostName	String	n/a	All permitted values	Yes	No	Defines a hostname to be used as a proxy for all HTTP/HTTPS communication.
ProxyPassword	SecureString	n/a	All permitted values	Yes	No	Defines a password to be used for the web proxy.
ProxyPort	int	8080	All permitted values	Yes	No	Defines a port number to be used for all proxied HTTP/HTTPS communication. Default value: 8080
ProxyUserName	String	n/a	All permitted values	Yes	No	Defines a username to be used for the web proxy.

NotificationDeliveryService.XmsSettings

The following properties are available for NotificationDeliveryService.XmsSettings :

Table 4–71   NotificationDeliveryService.XmsSettingsProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
WebProxySettings	NotificationDeliveryService.WebProxySettings	n/a	All permitted values	Yes	No	Defines the HTTP proxy which is used for SOAP based communications.
XmsPassword	SecureString	n/a	All permitted values	Yes	No	Password for XMS communication.
XmsServiceUrl	String	https://notify.multimodeinc.com/xms/webservices	All permitted values	Yes	No	XMS service URL. Default: http://messenger.oracle.com/xms/webservice.
XmsUserName	String	n/a	All permitted values	Yes	No	Username for XMS communication.

ObjectEventPublisherService

No other properties exist for ObjectEventPublisherService .

Oc4j

The following properties are available for Oc4j :

Table 4–72   Oc4jProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdminPassword	SecureString	n/a	All permitted values	Yes	No	the password of the oc4j admin user
AdminUsername	String	oc4jadmin	All permitted values	Yes	No	the name of the oc4j admin user
Applications	Set<BeehiveJ2eeApplication> (Structural property)	n/a	All permitted values	Yes	No	The list of BeehiveJ2eeApplications associated with the Oc4j instance.
CustomNonXaConfig	Map<String,Database.ConnectionPool> (Structural property)	n/a	All permitted values	Yes	No	Custom connection pool settings for non-XA keyed by service name.
CustomXaConfig	Map<String,Database.ConnectionPool> (Structural property)	n/a	All permitted values	Yes	No	Custom connection pool settings for XA keyed by service name.
Oc4jName	String	n/a	All permitted values	No	No	the name of the oc4j
PseudoTranslationEnabled	boolean	false	All permitted values	Yes	No	A Boolean flag that is used to enable/disable the pseudo-translation in Beehive Resource Bundle.
PseudoTranslationStrategy	String	n/a	All permitted values	Yes	No	The class name of pseudo translation algorithm that will be used for translation process by Beehive Resource Bundle.
ResourceAdapterInstances	Set<ResourceAdapterInstance> (Structural property)	n/a	All permitted values	Yes	No	The list of ResourceAdapterInstances associated with the Oc4j instance.

OmaService

The following properties are available for OmaService :

Table 4–73   OmaServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CalendarSyncEnabled	boolean	true	All permitted values	Yes	No	Enables or disables calendar synchronization.
ContactsSyncEnabled	boolean	true	All permitted values	Yes	No	Enables or disables contacts synchronization.
DbLogKeepDays	int	7	Min=1, Max=2147483647	Yes	No	Number of days to keep the session log and SyncML message log in the database. Log entries older than this will be purged automatically.
DeviceMetaDataCacheSize	int	100	Min=1, Max=2147483647	Yes	No	Maximum devices to cache.

Table 4–73   (Cont.) OmaServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
EmailNumberLimit	int	200	Min=1, Max=2147483647	Yes	No	The maximum number of e-mails that may be downloaded to a device. Together with the MaxSyncRangeBack property, the number of e-mails to download is restricted.
EmailSyncEnabled	boolean	true	All permitted values	Yes	No	Enables or disables e-mail synchronization.
LogSyncmlForUsers	String		All permitted values	Yes	No	Log SyncML for the these users. Specify a comma delimited list of user identifiers.
MaxConcurrentRequests	int	100	Min=1, Max=2147483647	Yes	No	The maximum number of concurrent requests that can be supported by a Oracle Mobile Data Sync Service instance. When this number is reached, subsequent synchronization requests will be refused until the number of concurrent requests drops below this number.
MaxMessageSize	int	60000	Min=1000, Max=2147483647	Yes	No	Upper limit of the size of the messages exchanged between client and server in bytes. This value will be used if the MaxMessageSize value in a device profile exceeds this limit. Otherwise, the value in the device profile will be used.
MaxObjectSize	int	5000000	Min=1000, Max=2147483647	Yes	No	Upper limit of the size of the large objects exchanged between client and server in bytes. This value will be used if the MaxObjectSize value in a device profile exceeds this limit. Otherwise, the value in the device profile will be used.
MaxSyncRangeBack	int	365	Min=1, Max=2147483647	Yes	No	The number of days previous to the current date to synchronize.
MaxSyncRangeForward	int	365	Min=1, Max=2147483647	Yes	No	The number of days from the current date to synchronize.
Md5Required	boolean	false	All permitted values	Yes	No	Determines whether MD5 authentication is required (true) or if BASIC authentication is also allowed (false).
Md5Supported	boolean	false	All permitted values	Yes	No	Enables or disables support for MD5 authentication.
NotesSyncEnabled	boolean	true	All permitted values	Yes	No	Enables or disables Outlook Notes synchronization.
OmaDsEnabled	boolean	true	All permitted values	Yes	No	Enables or disables the Oracle Mobile Data Sync Service.

Table 4–73   (Cont.) OmaServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ResumeEnabled	boolean	true	All permitted values	Yes	No	Enables or disables support for "Suspend and Resume" synchronization after incomplete or failed syncs. Improves performance with clients who support Resume for syncs.
SessionLogRequired	boolean	true	All permitted values	Yes	No	Enables or disables the logging of synchronization sessions in the database.
SessionTimeOut	int	6000	Min=1, Max=2147483647	Yes	No	A synchronization session will timeout if it does not receive a client request after this number of seconds.
SyncmlLogRequired	boolean	false	All permitted values	Yes	No	Enables or disables logging of SyncML messages in the database.

OmsResourceAdapter

The following properties are available for OmsResourceAdapter :

Table 4–74   OmsResourceAdapterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ResourceAdapterImage	ResourceAdapter Image	n/a	All permitted values	No	Yes	ResourceAdapterImage associated with the ResourceAdapter
ResourceAdapterInstances	Set<ResourceAdapterInstance> (Structural property)	n/a	All permitted values	Yes	No	Set of instances of ResourceAdapter

OmsResourceAdapterInstance

The following properties are available for OmsResourceAdapterInstance :

Table 4–75   OmsResourceAdapterInstanceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ResourceAdapter	ResourceAdapter	n/a	All permitted values	No	No	ResourceAdapter associated with the instance

Opmn

The following properties are available for Opmn :

Table 4–76   OpmnProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BeehiveInstance	BeehiveInstance	n/a	All permitted values	Yes	No	BeehiveInstance associated with the OPMN
LocalPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	OPMN local port
OpmnCluster	OpmnCluster	n/a	All permitted values	Yes	No	OpmnCluster associated with the OPMN
RemotePort	int	n/a	Network Port, Min=1, Max=65536	Yes	No	OPMN remote port
RequestPort	int	n/a	Network Port, Min=1, Max=65536	Yes	No	OPMN request port

OpmnCluster

The following properties are available for OpmnCluster :

Table 4–77   OpmnClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
NotificationServerSslEnabled	boolean	false	All permitted values	Yes	No	Enables or disables Secure Socket Layers (SSL) for the notification server.
Opmns	Set<Opmn> (Structural property)	n/a	All permitted values	Yes	No	OPMNs associated with the OpmnCluster

OwcStreamingService

The following properties are available for OwcStreamingService :

Table 4–78   OwcStreamingServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
HttpTunnelingEnabled	Boolean	true	All permitted values	Yes	No	description bundle not set
HttpTunnelingPort	Integer	1954	Network Port, Min=1, Max=65536	Yes	No	description bundle not set
MaxHttpTunnelingClientsAllowed	Integer	100	All permitted values	Yes	No	description bundle not set
MaxRtmpClientsAllowed	Integer	100	All permitted values	Yes	No	description bundle not set
MaxRtspClientsAllowed	Integer	100	All permitted values	Yes	No	description bundle not set
RtmpEnabled	Boolean	true	All permitted values	Yes	No	description bundle not set

Table 4–78 (Cont.) OwcStreamingServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
RtmpPort	Integer	1935	Network Port, Min=1, Max=65536	Yes	No	description bundle not set
RtspEnabled	Boolean	true	All permitted values	Yes	No	description bundle not set
RtspPort	Integer	1554	Network Port, Min=1, Max=65536	Yes	No	description bundle not set
ServiceName	String	DANGSServer/2.0.1	All permitted values	Yes	Yes	description bundle not set

PlatformService

No other properties exist for PlatformService .

PlatformWebService

No other properties exist for PlatformWebService .

PolicyService

No other properties exist for PolicyService .

PresenceService

The following properties are available for PresenceService :

Table 4–79 PresenceServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ActivityStartTimeThreshold	int	300000	All permitted values	Yes	No	description bundle not set
PollInterval	int	5	All permitted values	Yes	No	description bundle not set
PublicPresenceEnabled	boolean	true	All permitted values	Yes	No	description bundle not set

PushMailService

The following properties are available for PushMailService :

Table 4–80   PushMailServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
HeartbeatInterval	int	300	Min=60, Max=600	Yes	No	Interval in seconds to send a keep-alive command to the IMAP Mail Server to keep the IMAP connection alive.
IMAPConnLiveTime	int	720	Min=5, Max=1440	Yes	No	Backend IMAP connection live time, in minutes after a device connection dies.
MaxConcurrentUsers	int	2000	Min=2, Max=5000	Yes	No	Maximum number of concurrent mobile clients connections per Mobile Mail Server instance.
MaxInboxMessages	int	200	Min=200, Max=1000	Yes	No	Maximum number of inbox messages allowed to sync to device. This is the absolute maximum view filter size, no matter what value the Mobile Client specifies.
MaxMessageSize	int	50	Min=50, Max=200	Yes	No	Maximum message size, in KB, which a user may sync to a device. This is the absolute maximum size, no matter what value the Mobile Client specifies.
NumberDaysPast	int	7	Min=7, Max=14	Yes	No	Maximum number of days past user can fetch messages to sync to their device. This is the absolute maximum days view filter size, no matter what value the Mobile Client specifies.

PushService

The following properties are available for PushService :

Table 4–81   PushServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxClientConnections	int	1000	Min=100, Max=5000	Yes	No	Maximum number of concurrent mx-based clients connections per Mobile Push Server instance.
MaxInvalidAttempts	int	3	Min=3, Max=10	Yes	No	Maximum number of invalid command attempts before the server closes the connection.
MaxTruePushClientConnections	int	100	Min=1, Max=1000	Yes	No	Maximum number of concurrent HTTP true push-based clients connections per Mobile Push Server instance.
TtlUnauthenticated	int	1	Min=1, Max=10	Yes	No	Timeout for non-authenticated sessions in minutes.

RecordsManagementService

The following properties are available for RecordsManagementService :

Table 4–82   RecordsManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Urm	Urm	n/a	All permitted values	Yes	No	Records Management Service uses Oracle Universal Records Manager for records management. The URM configuration includes host, port, admin user account details, and agent name of the URM deployment. There can be at most one URM configured in the system.

ResourceAdapter

The following properties are available for ResourceAdapter :

Table 4–83   ResourceAdapterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ResourceAdapterImage	ResourceAdapterImage	n/a	All permitted values	No	Yes	ResourceAdapterImage associated with the ResourceAdapter
ResourceAdapterInstances	Set<ResourceAdapterInstance> (Structural property)	n/a	All permitted values	Yes	No	Set of instances of ResourceAdapter

ResourceAdapterImage

The following properties are available for ResourceAdapterImage :

Table 4–84   ResourceAdapterImageProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
RarFileName	String	n/a	All permitted values	No	Yes	Resource Adapter Filename
ResourceAdapterInterface	String	n/a	All permitted values	No	Yes	Management model interface name for Resource Adapter

ResourceAdapterInstance

The following properties are available for ResourceAdapterInstance :

Table 4–85   ResourceAdapterInstanceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ResourceAdapter	ResourceAdapter	n/a	All permitted values	No	No	ResourceAdapter associated with the instance

ResourceDirectoryService

The following properties are available for ResourceDirectoryService :

Table 4–86   ResourceDirectoryServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SearchSizeLimit	Integer	20000	All permitted values	Yes	No	The maximum number of resource entries to be returned on a list operation. This setting can affect the results of some system administration commands.

SAMLIdentity

The following properties are available for SAMLIdentity :

Table 4–87   SAMLIdentityProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
KeyAlias	String	n/a	All permitted values	Yes	No	Specifies the alias for the certificate of the SAML issuer.
Service	boolean	false	All permitted values	Yes	No	Specifies whether the SAML issuer is a trusted service or not. (It is a SAML IdP if it is not a service.)

SearchService

The following properties are available for SearchService :

Table 4–88   SearchServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CachedPageMaxLength	Integer	1000	All permitted values	Yes	No	description bundle not set
CaseSensitive	Boolean	false	All permitted values	Yes	No	description bundle not set
CrawlCalendarsEnabled	Boolean	true	All permitted values	Yes	No	description bundle not set
CrawlDocumentsEnabled	Boolean	true	All permitted values	Yes	No	description bundle not set
CrawlEmailsEnabled	Boolean	true	All permitted values	Yes	No	description bundle not set
ExcludeRegex	Boolean	false	All permitted values	Yes	No	description bundle not set
MaxResults	Integer	1000	All permitted values	Yes	No	description bundle not set
MaxSearchDuration	Integer	30	All permitted values	Yes	No	description bundle not set
Recovery	Boolean	false	All permitted values	Yes	No	description bundle not set

Table 4–88   (Cont.) SearchServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SyncFrequency	Integer	60	All permitted values	Yes	No	description bundle not set
TwoDBMode	Boolean	false	All permitted values	Yes	No	description bundle not set
WildcardChar	String	*	All permitted values	Yes	No	description bundle not set

Server

The following properties are available for Server :

Table 4–89   ServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AlternateHostNames	Collection<String>	n/a	All permitted values	Yes	No	A list of alternate host names for the Server. A Server may have multiple host names, for example if there are multiple network interface cards installed.
BeehiveInstances	Set<BeehiveInstance> (Structural property)	n/a	All permitted values	Yes	No	The list of BeehiveInstances associated with the Server.
PrimaryHostName	String	n/a	All permitted values	Yes	No	The primary host name of this Server.
SipListenerIPAddress	String	127.0.0.1	IP Address	Yes	No	The IP address of the Sip listener. Required for Sip integration

Service

No other properties exist for Service .

SesEndptService

The following properties are available for SesEndptService :

Table 4–90   SesEndptServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Host	String	changethis	All permitted values	Yes	No	The host portion of the url to access the SES endpoint web service.

Table 4–90 (Cont.) SesEndptServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Port	int	0	All permitted values	Yes	No	The port portion of the url to access the SES endpoint web service.
SesEndptServiceEnabled	boolean	false	All permitted values	Yes	No	Enables or disables the SES endpoint service.
SesTrustedEntityMap	Map<String,SecureString>	n/a	All permitted values	Yes	No	The trusted entity name and password of the SES brokers are stored in this map.The BEECTL command add_trusted_identity is used to add trusted entity credentials which are stored in this map.

SipContainer

The following properties are available for SipContainer :

Table 4–91 SipContainerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ManagedOc4j	ManagedOc4j	n/a	All permitted values	Yes	No	Oc4j associated with the SipContainer
SipEnabled	boolean	true	All permitted values	Yes	No	long description key not set
SipPortMaxValue	int	5080	Network Port, Min=1, Max=65536	Yes	No	Maximum permitted value for SIP protocol port
SipPortMinValue	int	5060	Network Port, Min=1, Max=65536	Yes	No	Minimum permitted value for SIP protocol port

SipGateway

The following properties are available for SipGateway :

Table 4–92 SipGatewayProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
GatewayIPAddress	String	n/a	IP Address	Yes	No	IP address of the SIP Gateway
GatewayPort	int	n/a	Network Port, Min=1, Max=65536	Yes	No	Port used to establish outbound connections from site to SIP Gateway
SipGatewayCluster	SipGatewayCluster	n/a	All permitted values	No	No	SipGatewayCluster associated with the SipGateway

SipGatewayCluster

The following properties are available for SipGatewayCluster :

Table 4–93   SipGatewayClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SipGateways	Set<SipGateway> (Structural property)	n/a	All permitted values	Yes	No	Set of SIP gateways associated with the SipGatewayCluster

Site

The following properties are available for Site :

Table 4–94   SiteProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BtiGlobalConfiguration	BtiGlobal	n/a	All permitted values	Yes	No	The global Bti configuration
BusinessDatabase	Database	n/a	All permitted values	Yes	No	A database where business data is stored. An Enterprise may be configured with its own business database. If an Enterprise does not have its own database configured, then the business data for that Enterprise gets stored in the Site level BusinessDatabase
CipherKey	SecureString	n/a	All permitted values	Yes	No	description bundle not set
ClusteringEnabled	Boolean	true	All permitted values	Yes	No	If application clustering is enabled for the site
ConfigurationDatabase	Database	n/a	All permitted values	Yes	No	The database where system configuration is stored
Database	Database	n/a	All permitted values	Yes	Yes	This database holds the configuration data and holds business data for any Enterprise that does not have its own dedicated storage.
DiagnosabilitySettings	DiagnosabilitySettings	n/a	All permitted values	Yes	No	The Diagnosability settings
DiagnosticDatabase	Database	n/a	All permitted values	Yes	No	The database where diagnostic data is stored
EnterpriseId	int	54321	All permitted values	Yes	Yes	The enterprise id
Enterprises	Set<Enterprise> (Structural property)	n/a	All permitted values	Yes	No	The set of Enterprise associated with the Site.
EventListenerDatabase	Database	n/a	All permitted values	Yes	No	The database where Event Listener data is stored
HttpServerCluster	HttpServerCluster	n/a	All permitted values	Yes	Yes	The HttpServerCluster associated with this Site.

Table 4–94 (Cont.) SiteProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
LanguagePack	byte[]	n/a	All permitted values	Yes	No	The Beehive language pack
LdapServer	LdapServer	n/a	All permitted values	Yes	No	An external LDAP server which can be a source of information that gets synchronized into Beehive and can be used by the Authentication Service to authenticate users.
ManagedOc4jCluster	ManagedOc4jCluster	n/a	All permitted values	Yes	Yes	The ManagedOc4jCluster associated with this Site.
Name	String	n/a	All permitted values	Yes	No	the name of the system object.
OpmnCluster	OpmnCluster	n/a	All permitted values	Yes	Yes	The OpmnCluster associated with the Site.
RemoteSites	Set<RemoteSite> (Structural property)	n/a	All permitted values	Yes	No	The set of RemotesSite associated with the Site.
ResourceAdapters	Set<ResourceAdapter> (Structural property)	n/a	All permitted values	Yes	No	The set of ResourceAdapters associated with the Site.
SearchDatabase	Database	n/a	All permitted values	Yes	No	The database where Search data is stored
Servers	Set<Server> (Structural property)	n/a	All permitted values	Yes	No	The set of Servers associated with the Site.
Services	Set<Service> (Structural property)	n/a	Custom, contact dev lead	Yes	No	The set of Services associated with the Site.
SipGatewayCluster	SipGatewayCluster	n/a	All permitted values	Yes	Yes	The SipGatewayCluster associated with this Site.
SiteId	int	54321	All permitted values	Yes	Yes	The site id.
SsoKeyAlias	String	n/a	All permitted values	Yes	No	description bundle not set
UnmanagedOc4js	Set<Unmanaged Oc4j> (Structural property)	n/a	All permitted values	Yes	No	The set of UnmanagedOc4js associated with the Site.
VirtualServer	VirtualServer	n/a	All permitted values	Yes	No	The VirtualServer associated with the Site.
VirusScanEngineCluster	VirusScanEngineCluster	n/a	All permitted values	Yes	Yes	The cluster of virus scan engines associated with this Site. All engines in the cluster are of the same type, i.e. provided by the same vendor.

SmppDeliveryService

The following properties are available for SmppDeliveryService :

Table 4–95   SmppDeliveryServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SmppConnectionCount	int	1	All permitted values	Yes	No	The maximum number of active SMPP connections. This may be more or less than the number of SMPP Delivery Service instances.
SmppEnquireTime	int	45	Min=1, Max=59	Yes	No	The interval in seconds between sending Enquire Link Protocol Data Units to Short Message Service Center.
SmppPassword	SecureString	n/a	All permitted values	Yes	No	The SMPP system password assigned by the Short Message Service Center.
SmppProcessingThreadCount	int	25	All permitted values	Yes	No	Controls the number of threads allocated for background processing of incoming SMS delivery requests.
SmppServiceUrl	String		All permitted values	Yes	No	Defines a hostname/port URL for the SMPP server. Format: host:port Example: smpp.somehost.com:2775 Default port: 2775 (smpp), 3550 (ssmpp)
SmppSystemID	String		All permitted values	Yes	No	The SMPP system ID assigned by the Short Message Service Center.
SmppSystemType	String		All permitted values	Yes	No	The SMPP system sype assigned by the Short Message Service Center.
SmppTimeOut	int	15	Min=1, Max=59	Yes	No	The time in seconds the SMPP client will wait for a response from the Short Message Service Center before closing the connection.
TlsEnabled	boolean	false	All permitted values	Yes	No	Enables or disables TLS support for SMPP connections. Enable if required by the Short Message Service Center.
UseQuerySMForStatus	boolean	false	All permitted values	Yes	No	Enables or disables the use of QUERY_SM PDU for delivery status reporting.

SubscriptionActionService

No other properties exist for SubscriptionActionService .

SubscriptionService

The following properties are available for SubscriptionService :

Table 4–96   SubscriptionServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MaxAnchorAgeInDays	int	30	Min=1, Max=30	Yes	No	Maximum allowed anchor age in days when querying "getElementModifications". AnchorToooldException will be thrown if the anchor passed in getElementModifications is older than the maximum allowed anchor age (in days) in configuration.

TCPCommBasedScanEngine

The following properties are available for TCPCommBasedScanEngine :

Table 4–97   TCPCommBasedScanEngineProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ScanEngineAdminPassword	SecureString	n/a	All permitted values	Yes	No	Password for the third-party scan engine administrative console.
ScanEngineAdminURL	String	n/a	All permitted values	Yes	No	URL for the third-party scan engine administrative console.
ScanEngineAdminUsername	String	n/a	All permitted values	Yes	No	Username for the third-party scan engine administrative console.
ScanEngineClientCommPort	Integer	1344	Network Port, Min=1, Max=65536	Yes	No	Communication port used by Beehive for sending client requests to the third-party scan engine.
ScanEngineHostName	String	localhost	All permitted values	Yes	No	Hostname of the server where the third-party scan engine is installed.
ScanEngineSecureAdminURL	String	n/a	All permitted values	Yes	No	URL for the secure version of the third-party scan engine administrative console.
ScanEngineSecureClientCommPort	Integer	1344	Network Port, Min=1, Max=65536	Yes	No	Secure communication port used by Beehive for sending client requests to the third-party scan engine.
SecureClientCommEnabled	Boolean	false	All permitted values	Yes	No	Indicates if secure communication is enabled for communications with the third-party scan engine.
SecureClientCommSupported	Boolean	false	All permitted values	Yes	No	Indicates if secure communication is supported for communications with the third-party scan engine.
VirusScanEngineCluster	VirusScanEngineCluster	n/a	All permitted values	No	No	A VirusScanEngineCluster is made up of scan engines of the same type, i.e by the same provider, configured for the Site or Enterprise. This property shows the VirusScanEngineCluster that this engine belongs to.

TCPCommBasedScanEngineCluster

The following properties are available for TCPCommBasedScanEngineCluster :

Table 4–98   TCPCommBasedScanEngineClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CacheRefreshInterval	Long	600000	Custom, contact dev lead	Yes	No	The interval at which Beehive VirusScanner process refreshes its in-memory cache with data from the virus defnitions storage.
ConnectionReadWrite ResponseTimeout	Integer	180	Custom, contact dev lead	Yes	No	Time interval to wait, that will be used by VirusScanner, for receiving responses from the scan engine.
ConnectionRetryTimeI nterval	Integer	60	Custom, contact dev lead	Yes	No	Time interval to wait, that will be used by VirusScanner, before re-attempting a connection to the same scan-engine.
GatherDetailedStats	Boolean	true	All permitted values	Yes	No	Indicator to determine if detailed stats related to virusscanner needs to be captured. These stats include method stats.
MaxConnectionRetryA ttempts	Integer	n/a	All permitted values	Yes	No	Maximum number of attempts that will be made to retry connections to the same scan engine.
OverrideEngineResult Enabled	Boolean	false	All permitted values	Yes	No	Indicates if Beehive should over-ride certain return scan statuses. This will allow Beehive to treat what the scan engine considers as INFECTED as CLEAN.
ScanEngineCommProt ocol	VirusScanEngine Cluster.ScanEngi neCommProtocol (Legal values: ICAP, CUSTOM)	ICAP	All permitted values	Yes	No	The protocol used by Beehive to communicate with the third-party scan service engine.
ScanEngineCommProt ocolVer	String	1.0	All permitted values	Yes	No	The version of the protocol used to communicate with the third-party scan service.
ScanEngines	Set<VirusScanEn gine> (Structural property)	n/a	All permitted values	Yes	No	The set of virus scan engines, of the same type, that are part of this cluster.

Table 4–98   (Cont.) TCPCommBasedScanEngineClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ScanServiceProvider	VirusScanEngine Cluster.ScanServiceProvider (Legal values: Symantec, TrendMicro, McAfee)	Symantec	All permitted values	Yes	No	Engines in a cluster are of the same type and are supplied by this third-party virus scan service provider.
VirusScanPolicy	VirusScanConfigurable.VirusScanPolicy (Legal values: NO_SCAN_OR_REPAIR, SCAN_ONLY, SCAN_AND_REPAIR)	NO_SCAN_OR_REPAIR	All permitted values	Yes	No	Scan policy configured for Beehive. If the policy is set to SCAN_ONLY is set and a request to scan and repair is received, caller will receive an exception.
VirusesToIgnore	List<String>	n/a	All permitted values	Yes	No	List of viruses that Beehive can choose to ignore and treat as un-infected. This list will only be evaluated if the the OverrideEngineResultEnabled is also set to true.

TimeManagementService

The following properties are available for TimeManagementService :

Table 4–99   TimeManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ConsistencyTasksEnabled	Boolean	true	All permitted values	Yes	No	description not found Can't find resource for bundle oracle.ocs.management.model.TimeManagementServiceBundle, key ENABLE_CONSISTENCY_LONG
EnableCleanupTask	Boolean	true	All permitted values	Yes	No	Enables or disables some Oracle Beehive housekeeping cleanup processes. These cleanup tasks include the physical removal of purged resources, meetings and tasks, and typically occur about one month after the system purges such entities.
EnableDynamicParticipants	Boolean	true	All permitted values	Yes	No	Enables or disables the dynamic aspect of composite participants, such as groups and team workspaces. When enabled, future instances of meetings and tasks that include groups or team workspaces as participants will be adjusted automatically to reflect any membership changes.

Table 4–99   (Cont.) TimeManagementServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
EnableExternalParticipantNotificationDelivery	Boolean	true	All permitted values	Yes	No	Enables or disables the delivery of notifications to external participants. When enabled, external participants of meetings and tasks will receive e-mail notifications to inform them of new or updated invitations and assignments. Notification e-mails can include iCalendar attachments.
EnableGenericClassOfTMBusinessEvents	Boolean	false	All permitted values	Yes	No	Enables or disables the generic Time Management business event integration. Does not apply to business events prefixed by TM_, which are raised independently of this property's setting. Enabling generic business events has performance implications. This should only be enabled if required by custom workflows.
EnablePresenceIntegration	Boolean	true	All permitted values	Yes	No	Enables or disables presence integration. When enabled, the system will automatically set users' presence settings to "In a meeting" during the periods they are scheduled to attend meetings created in Oracle Beehive.
MaxOccurrencesForUnboundedRecurrence	int	75	All permitted values	Yes	No	Maximum number of occurrences allowed for recurring meetings where the number of occurrences is unspecified. When a recurrence rule is defined during the creation of a new meeting, if the rule does not explicitly specify an end date or a number of occurrences, the number of occurrences created is limited to no more than this value. See also MaxOccurrencesPerSeries.
MaxOccurrencesPerSeries	Integer	150	All permitted values	Yes	No	Maximum number of occurrences allowed for any recurring meeting. This value must be greater or equal to MaxOccurrencesForUnboundedRecurrence.
MaxSubscriptionBizEventRaisedPerOperation	int	500	All permitted values	Yes	No	No subscription business events are raised for any TM operation that tries to raise more than this limit. This is to reduce the potential load caused by having to raise too many business events for large operations. It is currently only supported for operations relating to meetings and calendars.

TimeManagementService.PurgedItemsCleanupProperties

No other properties exist for TimeManagementService.PurgedItemsCleanupProperties .

TimeManagementService.ResourceCleanupProperties

No other properties exist for TimeManagementService.ResourceCleanupProperties .

TimeZoneService

No other properties exist for TimeZoneService .

TranscodingService

The following properties are available for TranscodingService :

Table 4–100   TranscodingServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ArchiveFolderPath	String	/INBOX	All permitted values	Yes	No	description bundle not set

UnmanagedBeehiveInstance

The following properties are available for UnmanagedBeehiveInstance :

Table 4–101   UnmanagedBeehiveInstanceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AvailableNumberOfProcessors	int	1	Custom, contact dev lead	Yes	No	The number of processors committed for the current Oracle Beehive instance. This figure is used by the sizing algorithm to calculate the number of server and client Beehive Transport Infrastructure (BTI) workers, as well as the Oracle Containers for Java (OC4J) instances, required to support the current Oracle Beehive instance.
AvailablePhysicalMemoryInMB	Integer	n/a	Custom, contact dev lead	Yes	No	The amount of physical memory in megabytes (MBs) committed for the current Oracle Beehive instance. This figure is used by the sizing algorithm to calculate the number of Oracle Containers for Java (OC4J) instances required for the current Oracle Beehive instance.
BeehiveInstanceName	String	n/a	All permitted values	Yes	Yes	The name of the current Oracle Beehive instance.
Bti	Bti	n/a	All permitted values	Yes	No	The Oracle Beehive Transport Infrastructure (BTI) associated with the current Oracle Beehive instance.

Table 4–101   (Cont.) UnmanagedBeehiveInstanceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DiagnosabilitySettings	DiagnosabilitySettings	n/a	All permitted values	Yes	No	A reference to a SystemObject that holds the properties used to configure diagnosability functionality. You do not directly modify the value of this property. You modify the properties of the referenced DiagnosabilitySettings object.
HttpServer	HttpServer	n/a	All permitted values	Yes	No	A reference to the HttpServer SystemObject for the current Oracle Beehive instance. You do not directly modify the value of this property. You configure the HTTP Server by modifying the properties of the referenced HttpServer object.
KeystoreFile	File	n/a	All permitted values	Yes	No	Path of the keystore file associated with the current Oracle Beehive instance.
KeystoreFilePassword	SecureString	n/a	All permitted values	Yes	No	Password for the keystore file associated with the current Oracle Beehive Instance.
LogBaseDir	File	beehive/logs	All permitted values	Yes	No	The base directory where Oracle Beehive will store its log files.
Oc4jInstances	Set<ManagedOc4j> (Structural property)	n/a	All permitted values	Yes	No	The set of references to the SystemObjects that configure the OC4J instances deployed in the current Oracle Beehive instance. The system automatically manages the value of this property. You must never directly modify the value.
Opmn	Opmn	n/a	All permitted values	No	No	This is a reference to the SystemObject that configures OPMN for the current Oracle Beehive instance. The system automatically manages the value of this property. You must never directly modify the value.
OracleHome	String	n/a	All permitted values	No	Yes	The Oracle home for the current Oracle Beehive instance.
Server	Server	n/a	All permitted values	No	No	This is a reference to the SystemObject that represents the Server associated with the current Oracle Beehive instance. The system automatically manages the value of this property.
WalletDir	String	n/a	All permitted values	Yes	No	Directory path of the Oracle Wallet associated with the current Oracle Beehive instance.
WalletPassword	SecureString	n/a	All permitted values	Yes	No	The password for the Oracle Wallet associated with the current Oracle Beehive instance.

UnmanagedOc4j

The following properties are available for UnmanagedOc4j :

Table 4–102   UnmanagedOc4jProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AdminPassword	SecureString	n/a	All permitted values	Yes	No	the password of the oc4j admin user
AdminUsername	String	oc4jadmin	All permitted values	Yes	No	the name of the oc4j admin user
Applications	Set<BeehiveJ2eeApplication> (Structural property)	n/a	All permitted values	Yes	No	The list of BeehiveJ2eeApplications associated with the Oc4j instance.
CustomNonXaConfig	Map<String,Database.ConnectionPool> (Structural property)	n/a	All permitted values	Yes	No	Custom connection pool settings for non-XA keyed by service name.
CustomXaConfig	Map<String,Database.ConnectionPool> (Structural property)	n/a	All permitted values	Yes	No	Custom connection pool settings for XA keyed by service name.
HostName	String	n/a	All permitted values	No	No	The host name of the server the UnmanagedOc4j belongs to.
Oc4jName	String	n/a	All permitted values	No	No	the name of the oc4j
OpmnRequestPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The opmn request port used to contact the UnmanagedOc4j. If null, the RMI port must be set.
PseudoTranslationEnabled	boolean	false	All permitted values	Yes	No	A Boolean flag that is used to enable/disable the pseudo-translation in Beehive Resource Bundle.
PseudoTranslationStrategy	String	n/a	All permitted values	Yes	No	The class name of pseudo translation algorithm that will be used for translation process by Beehive Resource Bundle.
ResourceAdapterInstances	Set<ResourceAdapterInstance> (Structural property)	n/a	All permitted values	Yes	No	The list of ResourceAdapterInstances associated with the Oc4j instance.
RmiPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The RMI port used to contact the UnmanagedOc4j
WalletDir	String	n/a	All permitted values	Yes	No	The wallet directory of this UnmanagedOc4j.

Urm

The following properties are available for Urm :

Table 4–103   UrmProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AgentName	String	BeeAdapter	All permitted values	No	Yes	Records Management Service registers itself as an external agent with URM. This property represents the external agent name that is used by RM Service during registration with URM.
DispositionLoaderInterval	long	1	Min=1, Max=10000	Yes	No	Records Management Service Agent periodically loads disposition instructions from URM. This number specifies in hours the time interval between two successive loads of disposition instructions from URM. Default is one hour.
DispositionProcessorInterval	long	1	Min=1, Max=10000	Yes	No	Records Management Service Agent periodically processes disposition instructions from URM in batches. This indicates the time interval in hours between two successive runs to process and acknowledge the dispositions received from URM. Default is one hour.
RMAdminPassword	SecureString	n/a	All permitted values	No	Yes	The password of the Records Management Administrator in URM. This is used by Records Management Adapter to connect and file records in the URM Deployment.
RMAdminUser	String	rmadmin	All permitted values	No	Yes	The user name of the Records Management Administrator in URM. The Records Management Adapter connects to URM as this user to file records in the URM deployment.
RmAdminEmailId	String	n/a	All permitted values	No	Yes	The Beehive user account used to store outgoing emails to be filed as records.
URMAdapterURL	String	n/a	All permitted values	No	Yes	Records Management Service interacts with URM through Web Services. This URL indicates the service end point URL of the URM deployment for accessing URM Web Services. Typically, the URL is of the form http://host:port/{yoursitename}/{yoursitename}plg.

UserDirectoryService

The following properties are available for UserDirectoryService :

Table 4–104   UserDirectoryServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ConfigurationParameters	UserDirectoryService.ConfigurationParameters	n/a	All permitted values	Yes	No	Configuration parameter for UDS service.
CustomAttributes	List<CustomAttribute> (Structural property)	n/a	All permitted values	Yes	No	Framework to register the custom properties with UDS service.
DirectoryProfiles	List<DirectoryProfile> (Structural property)	n/a	All permitted values	Yes	No	User Directory Service can have many directory profiles. Each of them will point to an external directory server

UserDirectoryService.AttributeMap

The following properties are available for UserDirectoryService.AttributeMap :

Table 4–105   UserDirectoryService.AttributeMapProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Fields	List<FieldMap> (Structural property)	n/a	All permitted values	Yes	No	Field map list contains the attribute map between source and target directories.

UserDirectoryService.ConfigurationParameters

The following properties are available for UserDirectoryService.ConfigurationParameters :

Table 4–106   UserDirectoryService.ConfigurationParametersProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DbRetryCount	int	6	All permitted values	Yes	No	Database retry count.
DbRetryIntervalMilliSeconds	int	30000	All permitted values	Yes	No	Database retry in milli seconds.
GalEntryAccessChecked	boolean	true	All permitted values	Yes	No	Whether global address list entries are access checked when loading the global address list. It may be useful to set this to false if the global address list is fully public.
MaxEntityAddressCount	int	3	All permitted values	Yes	No	Count should not exceed super max count.
SuperMaxEntityAddressCount	int	5	All permitted values	No	No	Super max count is the upper limit. And this is applicable to contacts only

UserDirectoryService.ConfigurationParameters.Attribute

No other properties exist for UserDirectoryService.ConfigurationParameters.Attribute .

UserDirectoryService.CustomAttribute

The following properties are available for UserDirectoryService.CustomAttribute :

Table 4–107   UserDirectoryService.CustomAttributeProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
Description	String	n/a	All permitted values	Yes	No	Text describing the property. This is an optional field
Name	String	n/a	All permitted values	Yes	No	Custom property name being registered.
Type	UserDirectoryService.CustomAttribute.CustomPropertyType (Legal values: STRING, BOOLEAN, DOUBLE, DATETIME, COLLABID)	STRING	All permitted values	Yes	No	Property types supported are STRING, BOOLEAN, DOUBLE, DATETIME and IDENTIFIER.

UserDirectoryService.DirectoryAttributeMap

The following properties are available for UserDirectoryService.DirectoryAttributeMap :

Table 4–108   UserDirectoryService.DirectoryAttributeMapProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DirectoryAttributeMap	Map<String,UserDirectoryService.AttributeMap> (Structural property)	n/a	All permitted values	Yes	No	Each object type can have its own Attribute mapping. Allowed object types are ENTERPRISE_USER, EXTENDED_ENTERPRISE_USER, EXTERNAL_PERSON and STATIC_GROUP

UserDirectoryService.DirectoryProfile

The following properties are available for UserDirectoryService.DirectoryProfile :

Table 4–109   UserDirectoryService.DirectoryProfileProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DefaultFlag	UserDirectoryService.DirectoryProfile.ProfileType (Legal values: DEFAULT, NON_DEFAULT)	n/a	All permitted values	Yes	No	Profiles can have flags like DEFAULT or NON_DEFAULT. If a profile is set as default, then the ldap server object is set on the Site. If it is NON_DEFAULT then, the ldapserver is available with the directory profile
DirectoryAttributeMap	UserDirectoryService.DirectoryAttributeMap	n/a	All permitted values	Yes	No	Attribute map of a directory profile will map source attributes to that of target. A profile can contain mappings for different types of objects like ENTERPRISE_USER, EXTENDED_ENTERPRISE_USER, EXTERNAL_PERSON and STATIC_GROUP
GroupTypeMap	List<GroupTypeMapEntry> (Structural property)	n/a	All permitted values	Yes	No	Group type map of a directory profile will help in synchronizing a group from external directory to target directory. The mapping could be based on the attribute or a DN of the group
ProfileState	UserDirectoryService.DirectoryProfile.ProfileState (Legal values: ENABLE, DISABLE)	DISABLE	All permitted values	Yes	No	Profiles can have state like ENABLE or DISABLE. If the profile is in enabled state, then synchronization will happen from external directory. If it is in disabled state, then synchronization will be turned off. By default the directory profile is disabled
ScopeMap	List<ScopeMapEntry> (Structural property)	n/a	All permitted values	Yes	No	Scope type map of a directory profile will help in synchronizing a user or group from external directory to target directory. The mapping could be based on the attribute or a DN of the user or group
UserTypeMap	List<UserTypeMapEntry> (Structural property)	n/a	All permitted values	Yes	No	User type map of a directory profile will help in synchronizing a user from external directory to target directory. The mapping could be based on the attribute or a DN of the user

UserDirectoryService.FieldMap

The following properties are available for UserDirectoryService.FieldMap :

Table 4–110   UserDirectoryService.FieldMapProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BeehiveFieldName	String	n/a	All permitted values	Yes	No	Field name can be mapped to an ATTRIBUTE or an ADDRESS or a PROPERTY. Givenname and familyname are some of the examples
BeehiveFieldSubType	String	n/a	All permitted values	Yes	No	Field sub type is mapped to the address schemes. MAILTO and TEL are some of the examples
BeehiveFieldType	UserDirectoryService.FieldMap.BeehiveFieldType (Legal values: ATTRIBUTE, PROPERTY, ADDRESS, PRINCIPAL)	n/a	All permitted values	Yes	No	Target directory fields can be of type ATTRIBUTE or an ADDRESS or a PROPERTY.
SourceAttribute	String	n/a	All permitted values	Yes	No	Source attribute will have the name of the attribute, which will be mapped to the target attribute. Givenname and sn are some of the examples of the source attribute
SourceSpecialHandling	UserDirectoryService.FieldMap.SourceSpecialHandlingType (Legal values: PROXY)	n/a	All permitted values	Yes	No	Source special handling is relevant to Activate Directory. Valid value is PROXY
SourceToTargetFieldValueMapping	List<SourceTargetValueMapping> (Structural property)	n/a	All permitted values	Yes	No	Contains the value mapping between source and target.Used mainly for external inbox feature

UserDirectoryService.FieldMap.SourceTargetValueMapping

The following properties are available for
UserDirectoryService.FieldMap.SourceTargetValueMapping :

Table 4–111   UserDirectoryService.FieldMap.SourceTargetValueMappingProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SourceFieldValue	String	n/a	All permitted values	Yes	No	Attribute value at the external directory.
TargetFieldValue	String	n/a	All permitted values	Yes	No	Attribute value in the target directory.

UserDirectoryService.GroupTypeMapEntry

The following properties are available for UserDirectoryService.GroupTypeMapEntry
:

Table 4–112   UserDirectoryService.GroupTypeMapEntryProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
GroupType	UserDirectoryService.DirectoryProfile.GroupType (Legal values: STATIC_GROUP)	n/a	All permitted values	Yes	No	Allowed value is STATIC_GROUP.
SourceFieldName	String	n/a	All permitted values	Yes	No	Name of the external directory attribute. Givenname and sn are some of the examples
SourceFieldType	UserDirectoryService.DirectoryProfile.FieldType (Legal values: DN, ATTRIBUTE)	n/a	All permitted values	Yes	No	Source field type can be an ATTRIBUTE or a DN.
SourceFieldValue	String	n/a	All permitted values	Yes	No	Value associated with external directory attribute.

UserDirectoryService.LdapDirectoryProfile

The following properties are available for UserDirectoryService.LdapDirectoryProfile :

Table 4–113   UserDirectoryService.LdapDirectoryProfileProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DefaultFlag	UserDirectoryService.DirectoryProfile.ProfileType (Legal values: DEFAULT, NON_DEFAULT)	n/a	All permitted values	Yes	No	Profiles can have flags like DEFAULT or NON_DEFAULT. If a profile is set as default, then the ldap server object is set on the Site. If it is NON_DEFAULT then, the ldapserver is available with the directory profile
DirectoryAttributeMap	UserDirectoryService.DirectoryAttributeMap	n/a	All permitted values	Yes	No	Attribute map of a directory profile will map source attributes to that of target. A profile can contain mappings for different types of objects like ENTERPRISE_USER, EXTENDED_ENTERPRISE_USER, EXTERNAL_PERSON and STATIC_GROUP
GroupTypeMap	List<GroupTypeMapEntry> (Structural property)	n/a	All permitted values	Yes	No	Group type map of a directory profile will help in synchronizing a group from external directory to target directory. The mapping could be based on the attribute or a DN of the group
LdapServer	LdapServer	n/a	All permitted values	Yes	No	Ldap server has the details of the external directory, using which the User Directory Service would connect and get the user and group data.
PollInterval	int	30	Custom, contact dev lead	Yes	No	Time interval at which the external directory will be polled by the synchronization engine. The poll interval is in seconds

Table 4–113   (Cont.) UserDirectoryService.LdapDirectoryProfileProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ProfileState	UserDirectoryService.DirectoryProfile.ProfileState (Legal values: ENABLE, DISABLE)	DISABLE	All permitted values	Yes	No	Profiles can have state like ENABLE or DISABLE. If the profile is in enabled state, then synchronization will happen from external directory. If it is in disabled state, then synchronization will be turned off. By default the directory profile is disabled
ScopeMap	List<ScopeMapEntry> (Structural property)	n/a	All permitted values	Yes	No	Scope type map of a directory profile will help in synchronizing a user or group from external directory to target directory. The mapping could be based on the attribute or a DN of the user or group
UserTypeMap	List<UserTypeMapEntry> (Structural property)	n/a	All permitted values	Yes	No	User type map of a directory profile will help in synchronizing a user from external directory to target directory. The mapping could be based on the attribute or a DN of the user

UserDirectoryService.MembershipMapEntry

The following properties are available for UserDirectoryService.MembershipMapEntry :

Table 4–114   UserDirectoryService.MembershipMapEntryProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MembershipCollabId	CollabId	n/a	All permitted values	Yes	No	Identifier of the organization into which the users or groups will be synchronized.
Name	String	n/a	All permitted values	Yes	No	Organization name can be specified and this field is optional.
SourceFieldName	String	n/a	All permitted values	Yes	No	Name of the external directory attribute. Givenname and sn are some of the examples
SourceFieldType	UserDirectoryService.DirectoryProfile.FieldType (Legal values: DN, ATTRIBUTE)	n/a	All permitted values	Yes	No	Source field type can be an ATTRIBUTE or a DN.
SourceFieldValue	String	n/a	All permitted values	Yes	No	Value associated with external directory attribute.

UserDirectoryService.ScopeMapEntry

The following properties are available for UserDirectoryService.ScopeMapEntry :

Table 4–115 UserDirectoryService.ScopeMapEntryProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MembershipMap	List<Membership MapEntry> (Structural property)	n/a	All permitted values	Yes	No	Member type map of a directory profile will help in synchronizing a user or group from external directory to target directory. The mapping could be based on the attribute or a DN of the user or group
Name	String	n/a	All permitted values	Yes	No	Enterprise or organization name can be specified and this field is optional.
ScopeCollabId	CollabId	n/a	All permitted values	Yes	No	Enterprise or organization identifier should be specified.
SourceFieldName	String	n/a	All permitted values	Yes	No	Name of the external directory attribute. Givenname and sn are some of the examples
SourceFieldType	UserDirectorySer vice.DirectoryPro file.FieldType (Legal values: DN, ATTRIBUTE)	n/a	All permitted values	Yes	No	Source field type can be an ATTRIBUTE or a DN.
SourceFieldValue	String	n/a	All permitted values	Yes	No	Value associated with external directory attribute.

UserDirectoryService.UserTypeMapEntry

The following properties are available for UserDirectoryService.UserTypeMapEntry :

Table 4–116 UserDirectoryService.UserTypeMapEntryProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
SourceFieldName	String	n/a	All permitted values	Yes	No	Name of the external directory attribute. Givenname and sn are some of the examples
SourceFieldType	UserDirectorySer vice.DirectoryPro file.FieldType (Legal values: DN, ATTRIBUTE)	n/a	All permitted values	Yes	No	Source field type can be an ATTRIBUTE or a DN.
SourceFieldValue	String	n/a	All permitted values	Yes	No	Value associated with external directory attribute.
UserType	UserDirectorySer vice.DirectoryPro file.UserType (Legal values: ENTERPRISE_ USER, EXTENDED_ ENTERPRISE_ USER, EXTERNAL_ PERSON)	n/a	All permitted values	Yes	No	Can have 3 different types of users. They are ENTERPRISE_ USER, EXTENDED_ ENTERPRISE_USER and EXTERNAL_PERSON

VirtualServer

The following properties are available for VirtualServer :

Table 4–117   VirtualServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BtiClientPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The virtual port for MX client
BtiSecureClientPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The secure virtual port for MX client
FtpPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The FTP virtual port.
HttpPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The Http virtual Port.
HttpSslEnabled	Boolean	true	All permitted values	Yes	No	If Http SSL is enabled for this VirtualServer.
HttpSslPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The secure Http virtual Port.
IPAddress	String	n/a	All permitted values	Yes	No	The VirtualServer Ip Address.
ImapPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The IMAP virtual port.
ImapSslEnabled	boolean	false	All permitted values	Yes	No	If IMAP SSL is enabled.
ImapSslPort	Integer	993	Network Port, Min=1, Max=65536	Yes	No	The secure IMAP port.
ServerName	String	n/a	All permitted values	Yes	No	The ServerName of the VirtualServer.
SmtpAuthRequired	boolean	false	All permitted values	Yes	No	If SMTP authentication is required.
SmtpPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The SMTP virtual port.
SmtpSslEnabled	boolean	false	All permitted values	Yes	No	If SMTP SSL is enabled.
SmtpSslPort	Integer	465	Network Port, Min=1, Max=65536	Yes	No	The secure SMTP virtual port.

Table 4–117   (Cont.) VirtualServerProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
XmppPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The XMPP virtual port.
XmppSslEnabled	Boolean	false	All permitted values	Yes	No	If XMPP SSL is enabled.
XmppSslPort	Integer	n/a	Network Port, Min=1, Max=65536	Yes	No	The secure XMPP port.

VirusScanConfigurable

The following properties are available for VirusScanConfigurable :

Table 4–118   VirusScanConfigurableProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
OverrideEngineResult Enabled	Boolean	false	All permitted values	Yes	No	Indicates if Beehive should over-ride certain return scan statuses. This will allow Beehive to treat what the scan engine considers as INFECTED as CLEAN.
VirusScanPolicy	VirusScanConfig urable.VirusScan Policy (Legal values: NO_ SCAN_OR_ REPAIR, SCAN_ ONLY, SCAN_ AND_REPAIR)	NO_ SCAN_ OR_ REPAIR	All permitted values	Yes	No	Scan policy configured for Beehive. If the policy is set to SCAN_ONLY is set and a request to scan and repair is received, caller will receive an exception.
VirusesToIgnore	List<String>	n/a	All permitted values	Yes	No	List of viruses that Beehive can choose to ignore and treat as un-infected. This list will only be evaluated if the the OverrideEngineResultEnabled is also set to true.

VirusScanEngine

The following properties are available for VirusScanEngine :

Table 4–119   VirusScanEngineProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
VirusScanEngineClust er	VirusScanEngine Cluster	n/a	All permitted values	No	No	A VirusScanEngineCluster is made up of scan engines of the same type, i.e by the same provider, configured for the Site or Enterprise. This property shows the VirusScanEngineCluster that this engine belongs to.

VirusScanEngineCluster

The following properties are available for VirusScanEngineCluster :

Table 4–120   VirusScanEngineClusterProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
CacheRefreshInterval	Long	600000	Custom, contact dev lead	Yes	No	The interval at which Beehive VirusScanner process refreshes its in-memory cache with data from the virus defnitions storage.
GatherDetailedStats	Boolean	true	All permitted values	Yes	No	Indicator to determine if detailed stats related to virusscanner needs to be captured. These stats include method stats.
OverrideEngineResultEnabled	Boolean	false	All permitted values	Yes	No	Indicates if Beehive should over-ride certain return scan statuses. This will allow Beehive to treat what the scan engine considers as INFECTED as CLEAN.
ScanEngineCommProtocol	VirusScanEngineCluster.ScanEngineCommProtocol (Legal values: ICAP, CUSTOM)	ICAP	All permitted values	Yes	No	The protocol used by Beehive to communicate with the third-party scan service engine.
ScanEngineCommProtocolVer	String	1.0	All permitted values	Yes	No	The version of the protocol used to communicate with the third-party scan service.
ScanEngines	Set<VirusScanEngine> (Structural property)	n/a	All permitted values	Yes	No	The set of virus scan engines, of the same type, that are part of this cluster.
ScanServiceProvider	VirusScanEngineCluster.ScanServiceProvider (Legal values: Symantec, TrendMicro, McAfee)	Symantec	All permitted values	Yes	No	Engines in a cluster are of the same type and are supplied by this third-party virus scan service provider.
VirusScanPolicy	VirusScanConfigurable.VirusScanPolicy (Legal values: NO_SCAN_OR_REPAIR, SCAN_ONLY, SCAN_AND_REPAIR)	NO_SCAN_OR_REPAIR	All permitted values	Yes	No	Scan policy configured for Beehive. If the policy is set to SCAN_ONLY is set and a request to scan and repair is received, caller will receive an exception.
VirusesToIgnore	List<String>	n/a	All permitted values	Yes	No	List of viruses that Beehive can choose to ignore and treat as un-infected. This list will only be evaluated if the the OverrideEngineResultEnabled is also set to true.

VoiceMessageService

The following properties are available for VoiceMessageService :

Table 4–121   VoiceMessageServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DebugFlags	Integer	0	All permitted values	Yes	No	long description key not set
FacilityProperties	VoiceMessageService.FacilityProperties	n/a	All permitted values	Yes	No	long description key not set
VoiceMessageProperty	String	n/a	All permitted values	Yes	No	long description key not set

VoiceMessageService.EnterpriseProperties

The following properties are available for VoiceMessageService.EnterpriseProperties :

Table 4–122   VoiceMessageService.EnterprisePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
EnterpriseCollabId	String	n/a	All permitted values	Yes	No	long description key not set
ExclusiveAudioContentURIs	List<String>	n/a	All permitted values	Yes	No	URI to where exclusive (application specific) audio content can be found by a VoiceXML router. This is optional.
Name	String	n/a	All permitted values	Yes	No	The name of the Enterprise. For example, "Oracle" or "General Motors".
RecordPlaybackURIs	List<String>	n/a	All permitted values	Yes	No	The URI where audio, spoken by a caller, is received by the server and stored in the database. This is optional. Reasons for setting it is if an environment is configured with a load balancer or different security settings. For example, the server may always require SSL, but streaming by not. By default the value is http://[host]:[port]/voice-servlet/vmail/crs. However, if the server is behind a load balancer with multiple midtiers, then the URI of the load balancer should be specified: http://beehive.example.com/voice-servlet/vmail/crs. NOTE: The scheme (http/https), host and port are the only things that are configurable. The remaining parts of the path are note. If NOT set at the Facility level, then the Enterprise value is used.

Table 4–122   (Cont.) VoiceMessageService.EnterprisePropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
RecordStreamURIs	List<String>	n/a	All permitted values	Yes	No	The URI where audio, spoken by a caller, is received by the server and stored in the database. This is optional. Reasons for setting it is if an environment is configured with a load balancer or different security settings. For example, the server may always require SSL, but streaming by not. By default the value is http://[host]:[port]/voice-serv let/vmail/crs. However, if the server is behind a load balancer with multiple midtiers, then the URI of the load balancer should be specified: http://beehive.example.com/ voice-servlet/vmail/crs. NOTE: The scheme (http/https), host and port are the only things that are configurable. The remaining parts of the path are note. If NOT set at the Facility level, then the Enterprise value is used.
SharedAudioContentU RIs	List<String>	n/a	All permitted values	Yes	No	Shared audio refers to audio that is generic across all voice services: integers, digits, phone numbers, dates, times, etc. Setting this is optional. Reasons for setting it is if an environment is configured such that these audio resources are on a separate server from the one currently deployed. By default the value will be relative to the application: ../shared-audio. If NOT set at the Facility level, then the Enterprise value is used.
TelephoneAnswering Address	String	n/a	All permitted values	Yes	No	The email address that appears in the 'from' field of an email when a voice mail is received from an unknown caller. This email address must exist in Beehive. When the sender is known, then his or her email address is used. But, this email address is only when the caller is unknown and is required to exist, but not monitored to receive email responses.

VoiceMessageService.FacilityProperties

The following properties are available for VoiceMessageService.FacilityProperties :

Table 4–123   VoiceMessageService.FacilityPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
ExclusiveAudioContentURIs	List<String>	n/a	All permitted values	Yes	No	URI to where exclusive (application specific) audio content can be found by a VoiceXML router. This is optional.
FacilityCollabId	String	n/a	All permitted values	Yes	No	long description key not set
Name	String	n/a	All permitted values	Yes	No	"Facility" is a well-defined technical notion for voice mail. It referes to a group of people and associated telephone equipment and other information, such as the local number to dial in to hear voice messages. Historically, Facilities have been identified with geographical locations, such as corporate headquarters, or the Chicago field office, but this is not strictly necessary. Example of Facility names are "Headquarters" and "Chicago Sears Tower Office".

Table 4–123 (Cont.) VoiceMessageService.FacilityPropertiesProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
RecordPlaybackURIs	List<String>	n/a	All permitted values	Yes	No	The URI where audio, spoken by a caller, is received by the server and stored in the database. This is optional. Reasons for setting it is if an environment is configured with a load balancer or different security settings. For example, the server may always require SSL, but streaming by not. By default the value is http://[host]:[port]/voice-serv let/vmail/crs. However, if the server is behind a load balancer with multiple midtiers, then the URI of the load balancer should be specified: http://beehive.example.com/ voice-servlet/vmail/crs. NOTE: The scheme (http/https), host and port are the only things that are configurable. The remaining parts of the path are note.
RecordStreamURIs	List<String>	n/a	All permitted values	Yes	No	The URI where audio, spoken by a caller, is received by the server and stored in the database. This is optional. Reasons for setting it is if an environment is configured with a load balancer or different security settings. For example, the server may always require SSL, but streaming by not. By default the value is http://[host]:[port]/voice-serv let/vmail/crs. However, if the server is behind a load balancer with multiple midtiers, then the URI of the load balancer should be specified: http://beehive.example.com/ voice-servlet/vmail/crs. NOTE: The scheme (http/https), host and port are the only things that are configurable. The remaining parts of the path are note.
SharedAudioContentU RIs	List<String>	n/a	All permitted values	Yes	No	Shared audio refers to audio that is generic across all voice services: integers, digits, phone numbers, dates, times, etc. Setting this is optional. Reasons for setting it is if an environment is configured such that these audio resources are on a separate server from the one currently deployed. By default the value will be relative to the application: ../shared-audio

VoiceServletService

No other properties exist for VoiceServletService .

WebdavService

The following properties are available for WebdavService :

Table 4–124   WebdavServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
AuthenticationScheme	String	BASIC	Custom, contact dev lead	Yes	No	Default authentication scheme for WebDAV server. Accepted values are: BASIC, DIGEST, DIGEST-BASIC.
BrowserSessionTimeout	int	30	Custom, contact dev lead	Yes	No	Length of idle time (in minutes) after which browser session will expire.
DMSInstrumentation	boolean	false	All permitted values	Yes	No	Enables or disables collection of Dynamic Monotoring System statistics.
DavClientSessionTimeout	int	960	Custom, contact dev lead	Yes	No	Idle time (in minutes) until the Pure WebDAV client session is timed out.
DefaultWelcomeDocs	String[]	[index.html, index.htm]	All permitted values	Yes	No	The array (comma-delimited list) of welcome document names that are served up if a GET is done on a collection containing one of these documents.
DepthLimit	int	3	Min=1, Max=6	Yes	No	The depth limit to be used for PROPFIND when depth of infinity is specified by the WebDAV client.
DisplayLastModifiedBy	boolean	true	All permitted values	Yes	No	Enables or disables display of the last-modified user in generated HTML index pages.
DisplayLastModifiedOn	boolean	true	All permitted values	Yes	No	Enables or disables display of the last-modified time (date and time) in generated HTML index pages.
DisplayLockStatus	boolean	false	All permitted values	Yes	No	Enables or disables display of locked status in generated HTML index pages.
DisplayVersioningStatus	boolean	false	All permitted values	Yes	No	Enables or disables display of versioning information in generated HTML index pages.
DownloadBufferSize	int	261888	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while downloading stream data. Deployments that typically stream small files, as well as those with limited midtier memory, may improve performance by setting this value below the default. Deployments with a large amount of midtier memory may likewise improve performance by setting this value above the default.
MinimumLockTimeout	int	4	Custom, contact dev lead	Yes	No	The minimum timeout value (in minutes) that a client can request while acquiring a lock.

Table 4–124 (Cont.) WebdavServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
UploadBufferSize	int	260096	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while uploading stream data. Deployments that typically stream small files, as well as those with limited midtier memory, may improve performance by setting this value below the default. Deployments with a large amount of midtier memory may likewise improve performance by setting this value above the default.
UserPreferenceRefresh Time	int	180	Custom, contact dev lead	Yes	No	Length of time (in minutes) before user preferences are refreshed.
WebDAVServerEnable d	boolean	true	All permitted values	Yes	No	Enables or disables the WebDAV server. When set to false, the WebDAV server will return an exception.

WikiService

The following properties are available for WikiService :

Table 4–125 WikiServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
PluginHtmlEnabled	boolean	true	All permitted values	Yes	No	description bundle not set

WorkflowService

The following properties are available for WorkflowService :

Table 4–126 WorkflowServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
BpelCluster	BpelCluster	n/a	All permitted values	Yes	No	The BPEL Cluster that this BPEL Process Manager belongs to.

WorkspacesService

The following properties are available for WorkspacesService :

Table 4–127   WorkspacesServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DbDownloadBufferSize	int	261888	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while downloading stream data from the database layer. Deployments that typically stream small files, as well as those with limited memory, may improve performance by setting this value below the default. Deployments with larger memory may likewise improve performance by setting this value above the default.
DbUploadBufferSize	int	260096	Min=16384, Max=1048576	Yes	No	The buffer size, in bytes, used while uploading stream data to the database layer. Deployments that typically stream small files, as well as those with limited memory, may improve performance by setting this value below the default. Deployments with a larger memory may likewise improve performance by setting this value above the default.
MembershipNotificationEnabled	boolean	true	All permitted values	Yes	No	Enables or disables e-mail notification to a user when joining or leaving a workspace.
QuotaNotificationEnabled	boolean	true	All permitted values	Yes	No	Enables or disables e-mail notification to workspace coordinators when workspace quota is reached.
QuotaOverflowPercentage	int	5	Custom, contact dev lead	Yes	No	Percentage of quota, expressed as an integer, that may be exceeded prior to automatic rejection of further data additions to a workspace. For example, if 1 GB of quota is allocated to the workspace, and the quota overflow percentage is 20, then data additions will begin failing once the workspace size reaches 1.2 GB.

XmppService

The following properties are available for XmppService :

Table 4–128   XmppServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
DomainName	String	example.com	All permitted values	Yes	No	All domains supported by xmpp service.
DomainNames	List<String>	[example.com]	All permitted values	Yes	No	All domains supported by xmpp service.
Language	String	en	All permitted values	Yes	No	Language used by server.

Table 4–128   (Cont.) XmppServiceProperties

Name	Data Type	Default Values	Accepted Values	Mutable	Read Only	Description
MessagesOnInvalidAction	List<String>	[]	Custom, contact dev lead	Yes	No	purpose of this property is to send relevant messages to users when they perform operation which are either not allowed of carried out with wrong inputs.
RetryCount	int	6	All permitted values	Yes	No	plsql execution attempts on getting retriable exception
RetryTimeout	int	5	All permitted values	Yes	No	time difference between two plsql execution attempts, when first attempt fails with a retriable exception
SearchFields	List<SearchField>	[first, last, email]	All permitted values	Yes	No	Fields on which a user can search User Directory.
SupportedAgents	List<AgentType>	[uds]	All permitted values	Yes	No	List of all agents supported by xmpp server
VersionRules	List<String>	[]	Custom, contact dev lead	Yes	No	specify the rules for different xmpp messenger clients, sending message to user and whether disconnect the user or let him/her continue on using a particular client
XmppPort	int	5222	Network Port, Min=1, Max=65536	Yes	No	Xmpp Server accepts connection on this port
XmppSslPort	int	5223	Network Port, Min=1, Max=65536	Yes	No	Port for SSL communication
XmppTimerKeepAliveTime	int	5	Min=-2147483648, Max=10	Yes	No	keep-alive time, in minutes, used for detecting the stale connections. Negative or zero value disables the stale connection detection timer

ZimbraConnectorService

No other properties exist for ZimbraConnectorService .

ZimbraUIService

No other properties exist for ZimbraUIService .