

**Oracle Business Approvals Connector for
Sales Managers**

Configuration Guide

Release 1.1

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Oracle Business Approvals Connector for Sales Managers Configuration Guide Release 1.1 E15593-01

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Overview

This chapter includes the following topics:

- About the Oracle Business Approvals for Sales Managers Configuration
- Prerequisites

About the Oracle Business Approvals Connector for Sales Managers Configuration

This guide provides information about the Oracle Service-Oriented Architecture Suite configuration for Oracle Business Approvals Connector for Sales Managers (hereafter referred to as Connector).

This configuration is required to use Oracle Business Approvals for Sales Managers (hereafter referred to as Sales Managers), which is the corresponding Apple iPhone client application.

Information for End Users

In addition to following the instructions in this guide, a system administrator must inform users of Sales Managers of the endpoint URL for the BPEL server. This URL provides the connection to the Siebel application through Oracle SOA Suite.

Access to Analytical Reports from Oracle Business Intelligence Suite Enterprise Edition Plus

Users can set up analytic reports in Oracle Business Intelligence Suite Enterprise Edition Plus (Oracle BI EE Plus) that can be accessed from Sales Managers. This configuration is optional and is not required to use Sales Managers.

See the *Oracle Business Approvals for Sales Managers User Guide* for information about this configuration.

Prerequisites

You must install the following prerequisites:

Overview

- Oracle SOA Suite 10.1.3.1
See *Oracle Application Server Installation Guide 10g Release 3 (10.1.3.1.0)*
- Oracle SOA Suite 10.1.3.3 Patch and higher
See *Oracle Application Server Patch Set Notes 10g Release 3 (10.1.3) Patch Set 3 (10.1.3.3.0)*
- Oracle's Siebel Quote 8.1 or Oracle's Siebel Quote and Order 8.1

Configuring Oracle Business Approvals Connector for Sales Managers

This chapter includes an architectural overview and the following topics:

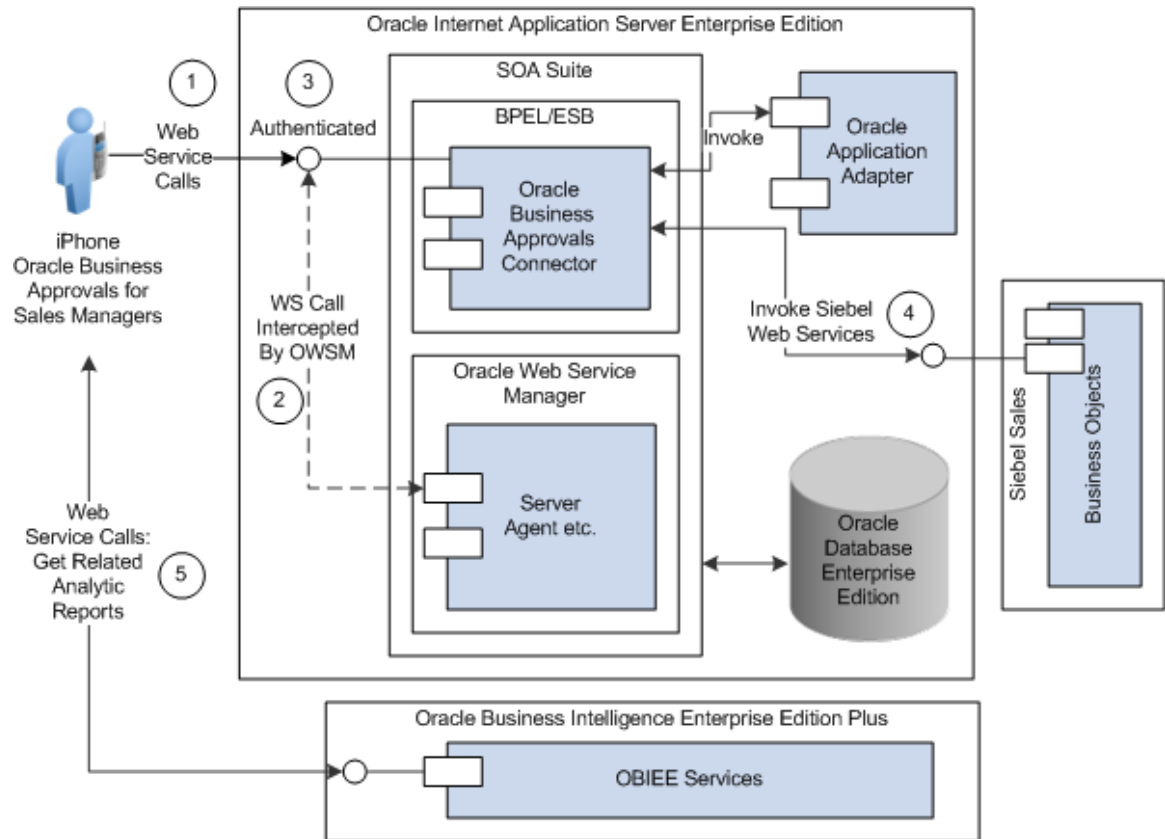
- Configuring Web Services for Sales Managers
- Deploying the Connector BPEL Flows
- Importing Domain Value Maps (DVMs)
- Testing the Connector BPEL Flows

Note: Some topics in this chapter do not provide step-by-step instructions. Instead, they refer to other guides that provide the applicable information.

Architectural Overview

This diagram shows the interaction between the Sales Managers application on the Apple iPhone and the servers that support the integration.

Configuring Oracle Business Approvals Connector for Sales Managers



Interaction between Oracle Business Approvals Connector for Sales Managers and Oracle SOA Suite

Oracle SOA Suite, running on Oracle's application server, handles the main worklist functionality and the subsequent back-end integration with Siebel. In addition, if access to analytic reports is enabled in Sales Managers, Oracle BI EE Plus handles the request for business intelligence data that supports each worklist item.

Configuring Web Services for Sales Managers

Sales Managers uses Siebel Customer Relationship Management (Siebel CRM) web services to receive approval requests from Siebel CRM. All web services used by Sales Manager must have SOAP_DOC_LITERAL bindings and all operations invoked must have 'Username/Password - clear text' authentication.

You must configure and activate these web services:

Service	Port	Operations Used
http://siebel.com/OrderManagement/Quote – QuoteWebService	QuotePort	GetQuoteById
http://siebel.com/asi/ – Siebel Quote	Default	SiebelQuoteQueryById
http://siebel.com/CustomUI – Universal Inbox	Universal Inbox	UniversalInboxCallAction
http://siebel.com/CustomUI – UInbox Contact Item	UInbox Contact Item	UInboxContactItemExecute UInboxContactItemQueryPage

See “Web Services” in *Oracle’s Siebel Integration Platform Technologies: Siebel Enterprise Application Integration Guide*.

Deploying the Connector BPEL Flows

This section provides an overview and includes the following topics:

- Using an Ant Script to Deploy the Connector BPEL Flows
- Using JDeveloper to Deploy the Connector BPEL Flows

Overview

Oracle provides the following two sets of Connector BPEL flows to deploy to an Oracle BPEL Process Manager (BPEL PM) server:

- A foundation set of BPEL flows for use with all Oracle Business Approvals applications.
- A set of application-specific BPEL flows for the Sales Managers application.

You can use an ant script or JDeveloper to deploy the BPEL flows. Both methods are described in this section.

Using an Ant Script to Deploy the Connector BPEL Flows

You must install the following prerequisites before using an ant script.

Prerequisites

- Ant 1.6 or later version
- Oracle BPEL PM (or Oracle SOA Suite) 10.1.3.3 or later version for ant task libraries only
- Functioning BPEL PM (or Oracle SOA Suite) server 10.1.3.3 or later version

- A valid URL to Siebel 8.1 CRM On-Premise.

To use an ant script to deploy Connector BPEL flows:

1. In the root directory of the installation, open the AUBI.properties file and modify it as follows for your environment:

Note: This file is similar to the standard deployment properties file generated by JDeveloper when creating a new BPEL project.

- a. Set the bpel.home with a path to the bpel directory, for example:

\\Oracle\product\10.1.3.1\OracleAS_1\bpel

This path is only used to access the necessary ant tasks to successfully deploy the BPEL flows. This home does not need to be part of the target BPEL PM server.

- b. Uncomment the 'domain' property if you are deploying to a domain other than the 'default' domain.
- c. Leave the 'rev' property commented out.
- d. Enter the admin user and password and the BPEL PM server hostname and port.
- e. Enter the opmn port of the BPEL server.
- f. Change the oc4jinstancename property if the target OC4J instance on your server has a name other than "home".
- g. Configure other properties if your installation is more complex.

For more information about these properties and deployment with ant, see "BPEL Process Deployment and Domain Management" in the *Oracle BPEL Process Manager Developer's Guide*.

2. Open the siebel.properties file in the SalesQuote folder and set the Siebel web services URI. For example:

http://<Siebel_8.1_or_later_server>/eai_anon_enu/start.swe?
SWEEExtSource=SecureWebService&SWEEExtCmd=Execute

3. Open a command prompt in the following directories and execute the ant command:

/Foundation

/Sales Quotes

```

C:\WINDOWS\system32\cmd.exe
[echo] -----
[echo]
[deployTaskForm] Start of deploying forms
[deployTaskForm] End of deploying forms
[deployTaskForm] There are no forms to deploy

deployDecisionServices:
[echo] -----
[echo]
[echo] ! Deploying decision services for WorklistVersionCheck on TTHRELKE-L
AP2, port 7778
[echo] -----
[echo]
[deployDecisionServices] Start of deploying decision services.
[deployDecisionServices] There are no decision services to deploy

process-deploy:
post-build:
deploy:
BUILD SUCCESSFUL
Total time: 4 minutes 10 seconds
C:\Oracle Business Approvals for Managers\Foundation>

```

Using JDeveloper to Deploy the Connector BPEL Flows

These instructions assume you know how to administer BPEL flows with JDeveloper.

See “Overview of BPEL Project Creation and Oracle JDeveloper” in the *Oracle BPEL Process Manager Developer’s Guide* for more information.

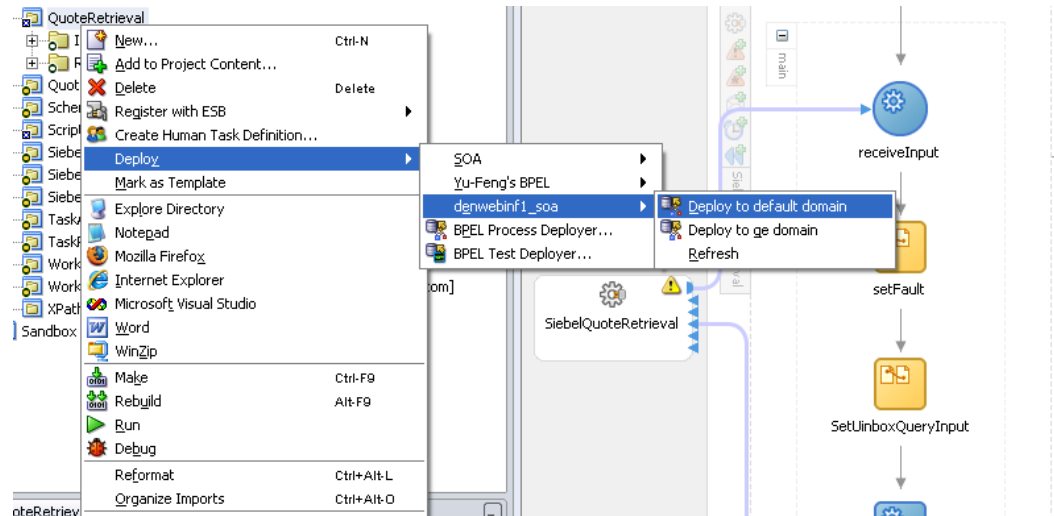
To use JDeveloper to deploy Connector BPEL flows:

1. Create a BPEL project using the source of one of the BPEL flows, for example:

```
<install root>/foundation/WorklistRetrieval
```

You can do this by using the import tool on the JDeveloper File menu or by manually creating a new project and copying the BPEL flows to the new project. The latter choice is sometimes more reliable, although less convenient.

2. Create an integration connection to your BPEL PM server.
See the Connection Navigator on the View menu.
3. Right-click the BPEL project in the Application Navigator.
4. Select the server from the Deploy menu.



Deploy menu

Importing Domain Value Maps

This section includes an overview and the following topics:

- Importing DVMs for the Connector
- Importing Values into an Existing DVM

Overview

Oracle provides the following DVMs that you must import for this configuration:

- AUBI_LOOKUP.xml.
Maps the codes used by the Connector to access the back-end Siebel Sales Quotes system.
- AUBI_SERVICE_PROVIDER.xml.
Identifies, by functionality, the logical back-end enterprise information system to use. This enables the Connector to be hosted on one Oracle SOA Suite server.
- AUBI_CONF.xml
The DVM includes a MaxRecord parameter that is used to limit the total records returned to the Apple iPhone. The default setting for this parameter is 50. You can increase or decrease this number as needed. Because there is limited space for applications on the Apple iPhone, this setting can help reduce the limited space available on the Apple iPhone by limiting the number of records returned.

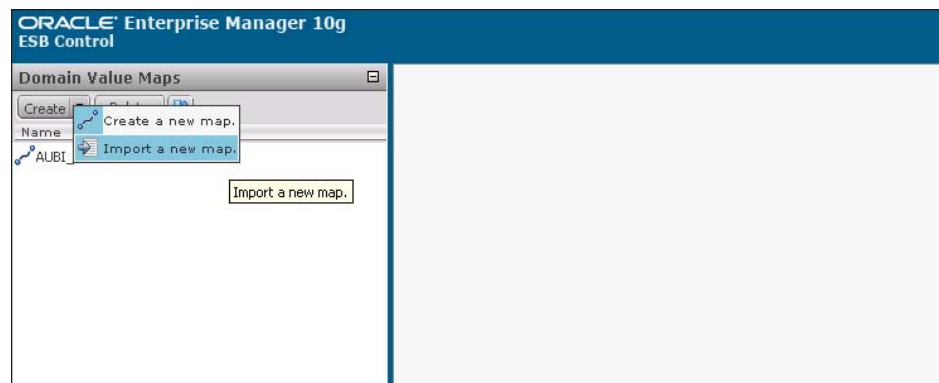
DVMs are global for the entire BPEL PM server. If you deploy the BPEL flows to multiple domains on the same BPEL PM Server, be aware that these settings will be used by all the flows. However, these settings should be static over time and can be safely shared between domains.

Importing DVMs for the Connector

When installing the Oracle Business Approvals Connector for Sales Managers, you might have already imported the DVMs. This section describes how to import DVM maps that you did not import during the installation. If the maps were already imported, skip this section and proceed to the “Importing the Values into and Existing DVM” section.

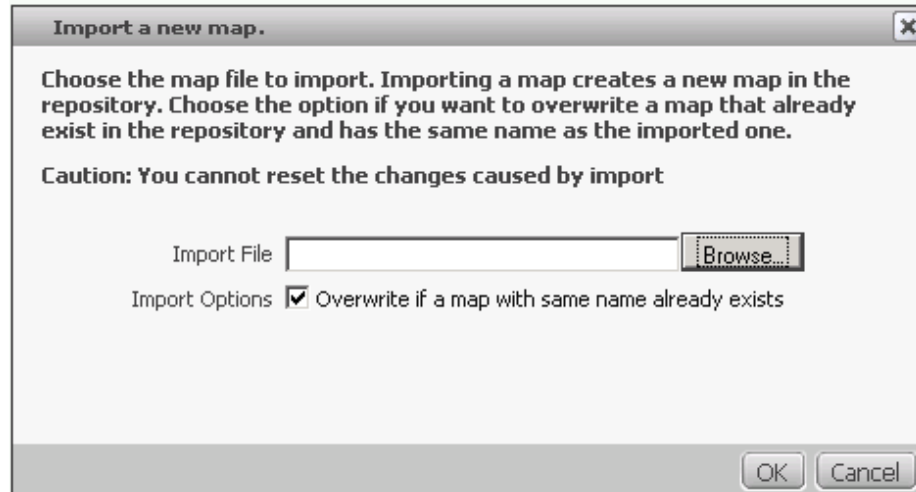
To import the DVMs:

1. Log in to Oracle Enterprise Manager and access the ESB Control.
2. At the top of the ESB Control, click the Map icon.
3. On ESB Control, click the Create drop-down menu and select Import a new map.



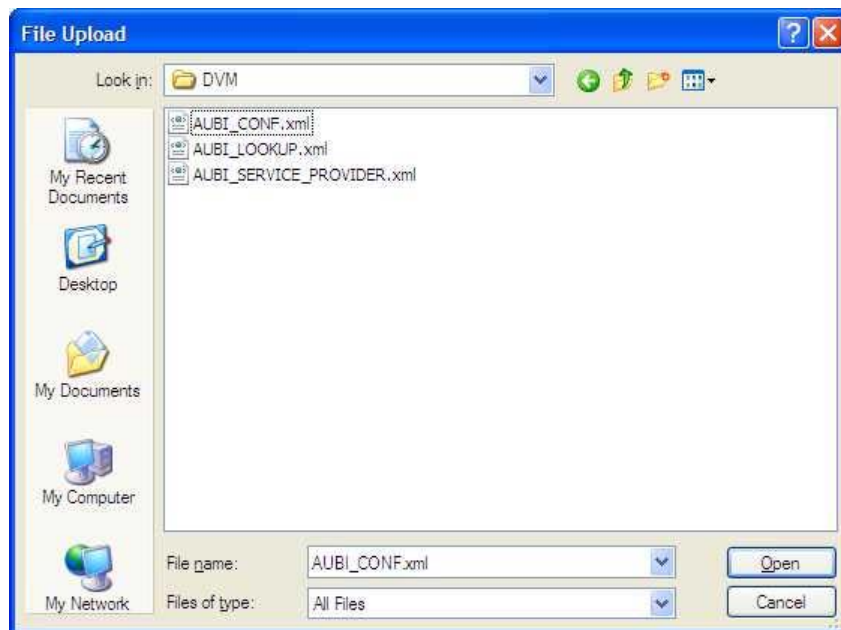
ESB Control – Import a new map

4. On Import a new map, click the Browse button to locate the map that you want to import.
5. On Import a new map, click the Browse button to locate the map that you want to import.
6. Select the option to overwrite a map if you want to overwrite a map that already exists in the repository.



Import a new map

7. Click OK to import a new map.
8. Repeat these steps for all the lookup mappings in the DVM folder that do not already exist on the server. The sequence in which you import the mappings is not important.



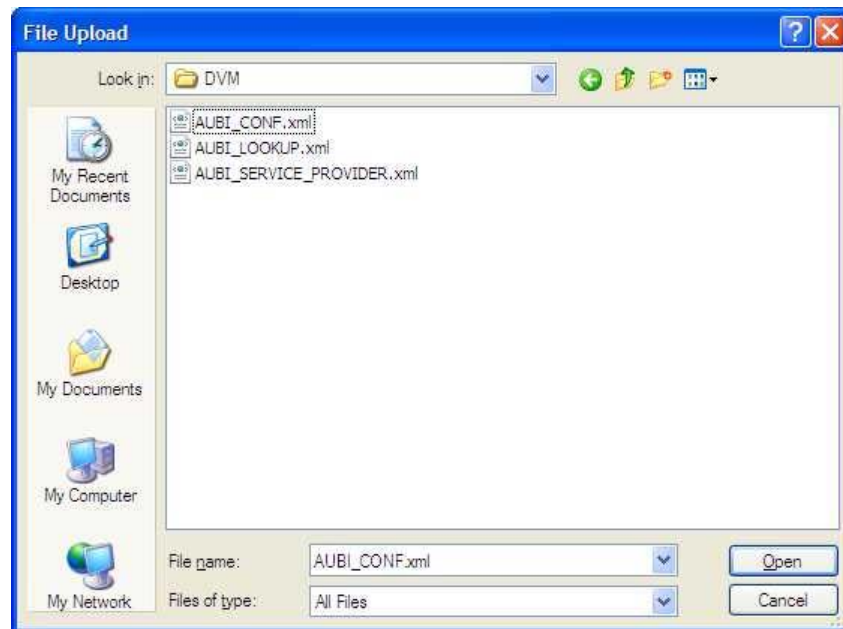
File Upload – Upload DVM mappings.

Importing Values into an Existing DVM

If you already installed the Oracle Business Approvals Connector for Sales Managers DVMs and need to import values, complete the following steps.

To import values into an existing DVM:

1. In Oracle Enterprise Manager, access the ESB Control.
2. Select a map and click the Import button in the upper right-hand corner.
3. On Import into an Existing Map, click the Browse button to locate the map that matches the map you selected.
4. Select the “Add conflicting rows” option to avoid overriding any customizations that might have occurred.
5. Click OK to import the new rows.
6. Repeat these steps for all the lookup mappings in the DVM folder that already exist on the server. The sequence in which you import the mappings is not important.



File Upload – Upload DVM mappings.

Testing the Connector BPEL Flows

After you deploy the Connector BPEL flows, you should test them to ensure that they operate correctly in your environment.

To test the Connector BPEL flows:

1. On BPEL Control, click the BPEL Processes tab.

ORACLE Enterprise Manager 10g
BPEL Control

Manage BPEL Domain

Dashboard BPEL Processes

Search Processes

Process Name

State

Any

Lifecycle

Any

Go

Related Tasks

- [Clear WSDL Cache](#)
- [Deploy New Process](#)
- [Perform Manual Recovery](#)
- [Refresh Alarm Table](#)
- [View Process Log](#)

Deployed Processes

	BPEL Process	Lifecycle	State
<input type="checkbox"/>	ExpenseRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	OfferRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	POReqRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	QuoteRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	ReqInfoUsersRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	SiebelQuoteRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	SiebelTaskResponse (v. 1.0)	Active	On
<input type="checkbox"/>	SiebelWorklistRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	TaskActionHandler (v. 1.0)	Active	On
<input type="checkbox"/>	TaskActionHistoryRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	TaskAttributesRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	TaskClose (v. 1.0)	Active	On
<input type="checkbox"/>	TaskManager (v. 1.0)	Active	On
<input type="checkbox"/>	TaskRequestInfo (v. 1.0)	Active	On
<input type="checkbox"/>	TaskResponse (v. 1.0)	Active	On
<input type="checkbox"/>	VacancyRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	WorklistRetrieval (v. 1.0)	Active	On
<input type="checkbox"/>	WorklistVersionCheck (v. 1.0)	Active	On

The BPEL Processes tab lists all the deployed processes

- Click the BPEL process that you want to test.
- Click the Initiate tab.
- On the Initiate tab, click the Include in Header checkbox next to WS-Security and expand the section.

Configuring Oracle Business Approvals Connector for Sales Managers

BPEL Process: WorklistVersionCheck Version: 1.0 Lifecycle: Active
Statistics: [0 Open Instances](#) | [588 Closed Instances](#)

[Manage](#) **[Initiate](#)** [Descriptor](#) [WSDL](#) [Sensors](#) [Source](#) [Test Suites](#)

Testing this BPEL Process Through

Initiating a test instance
To create a new 'test' instance of this BPEL Process, fill this form and click on the 'Post XML Message' button.

Operation: ☒ HTML Form ☐ XML Source

☐ WS-Security ☒ Include In Header

User Name: xsd:string

Password: xsd:string

☐ WS-Addressing ☐ Include In Header

☐ payload

CheckMode: string

Note: XML source view contents will not be reflected in the HTML form view

☐ Save Test

☐ Perform stress test

Example of testing the BPEL process – WorklistVersionCheck

Note: If Siebel 8.1 is the back-end EIS, you cannot use the user/password HTML form. Instead, you must use the 2002 draft version of the WS-Security header. Siebel will ignore the OASIS name-spaced WS-Security element. For example:

```
<wsse:Security
xmlns:wsse=http://schemas.xmlsoap.org/ws/2002/07/secext
xmlns=http://schemas.xmlsoap.org/ws/2002/07/secext
xmlns:env="http://schemas.xmlsoap.org/soap/envelope/"
soap:mustUnderstand="1">
  <wsse:UsernameToken
xmlns:wsse="http://schemas.xmlsoap.org/ws/2002/07/secext"
xmlns="http://schemas.xmlsoap.org/ws/2002/07/secext">
    <wsse:Username>MSTERN</wsse:Username>
    <wsse:Password
Type="wsse:PasswordText">MSSQL</wsse:Password>
  </wsse:UsernameToken>
```

5. Enter a user name and password to test if the BPEL process will retrieve the appropriate information.

Configuring Oracle Business Approvals Connector for Sales Managers

The screenshot displays the Oracle Enterprise Manager 10g BPEL Control interface. At the top, the header includes 'ORACLE Enterprise Manager 10g BPEL Control' and navigation links for 'Manage BPEL Domain', 'Logout', and 'Support Log'. Below the header, there are tabs for 'Dashboard', 'BPEL Processes', and 'Instances'. The 'BPEL Processes' tab is active, showing details for the 'WorklistVersionCheck' process, including its version (1.0) and lifecycle status (Active). Statistics indicate 0 Open Instances and 588 Closed Instances. A sub-tabbed interface shows 'Initiate' as the selected action. Below this, a message states 'Test Instance Initiated'. The main content area displays the output of the test request, which was processed synchronously in 375.0 milliseconds. The output is an XML response containing four 'WorklistFeatureRESP' elements, each representing a different worklist type: PO_REQUISITION, AP_EXPENSE, HR_OFFER, and HR_VACANCY. Each element includes a 'ConnectorVersion' of 1.0. The final element is a 'SALES_QUOTE' type. The entire response is enclosed in a 'WorklistVersionCheckRESP' root element.

ORACLE Enterprise Manager 10g
BPEL Control

Manage BPEL Domain | Logout | Support Log

Dashboard | BPEL Processes | Instances

BPEL Process: WorklistVersionCheck Version: 1.0 Lifecycle: Active
Statistics: [0 Open Instances](#) | [588 Closed Instances](#)

Manage | **Initiate** | Descriptor | WSDL | Sensors | Source | Test Suites | Reports

Test Instance Initiated

Your test request was processed synchronously. It took 375.0milliseconds to finish and generated the following output:
Value:

```
<WorklistVersionCheckRESPhttp://xmlns.oracle.com/bpel/aubi/mobile/WorklistVersionCheck>
  <WorklistFeatureRESPhttp://xmlns.oracle.com/bpel/aubi/mobile/WorklistVersionCheck>
    <WorklistType>PO_REQUISITION</WorklistType>
    <ConnectorVersion>1.0</ConnectorVersion>
  </WorklistFeatureRESP>
  <WorklistFeatureRESPhttp://xmlns.oracle.com/bpel/aubi/mobile/WorklistVersionCheck>
    <WorklistType>AP_EXPENSE</WorklistType>
    <ConnectorVersion>1.0</ConnectorVersion>
  </WorklistFeatureRESP>
  <WorklistFeatureRESPhttp://xmlns.oracle.com/bpel/aubi/mobile/WorklistVersionCheck>
    <WorklistType>HR_OFFER</WorklistType>
    <ConnectorVersion>1.0</ConnectorVersion>
  </WorklistFeatureRESP>
  <WorklistFeatureRESPhttp://xmlns.oracle.com/bpel/aubi/mobile/WorklistVersionCheck>
    <WorklistType>HR_VACANCY</WorklistType>
    <ConnectorVersion>1.0</ConnectorVersion>
  </WorklistFeatureRESP>
  <WorklistFeatureRESPhttp://xmlns.oracle.com/bpel/aubi/mobile/WorklistVersionCheck>
    <WorklistType>SALES_QUOTE</WorklistType>
    <ConnectorVersion>1.0</ConnectorVersion>
  </WorklistFeatureRESP>
</WorklistVersionCheckRESP>
```

Successful example of testing WorklistVersionCheck – the BPEL process retrieved information about the application version

Configuring Connector Security

This chapter includes an overview and the following topic:

- Configuring Access to BPEL Web Service Processes

Overview

Oracle Business Approvals for Sales Managers client application on the Apple iPhone sends the user and password to the server using standard WS-Security UsernameToken elements. The password is in plain-text in the SOAP headers. Therefore, the connection from the Apple iPhone to the servers must use HTTPS over SSL. In addition, you should ensure that the server log settings do not log incoming SOAP header information, especially for production servers.

The 2002 draft WS-Security standard is used to format the user name and password in the SOAP header. Siebel 8.1 does not yet support the official version. However, WSM handles this standard transparently.

The WS-Security header is propagated to Siebel for authentication. The BPEL flow does not inspect this header, it only propagates it. Therefore, a filter system, such as WSM, can reformat this header if Siebel is set up to expect a different WS-Security scheme.

Configuring Access to BPEL Web Service Processes

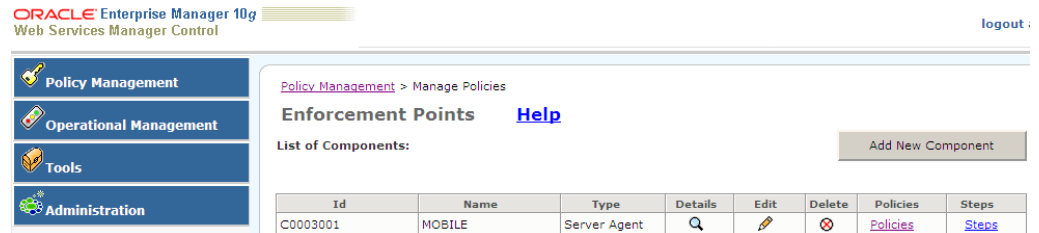
Use Oracle Web Services Manager to set up security for clients to access BPEL web service processes. This setup involves these tasks:

- Adding a New Server Agent Component
- Adding a Policy
- Enabling Server Agent Components
- Associating a Web Service with this Server Agent

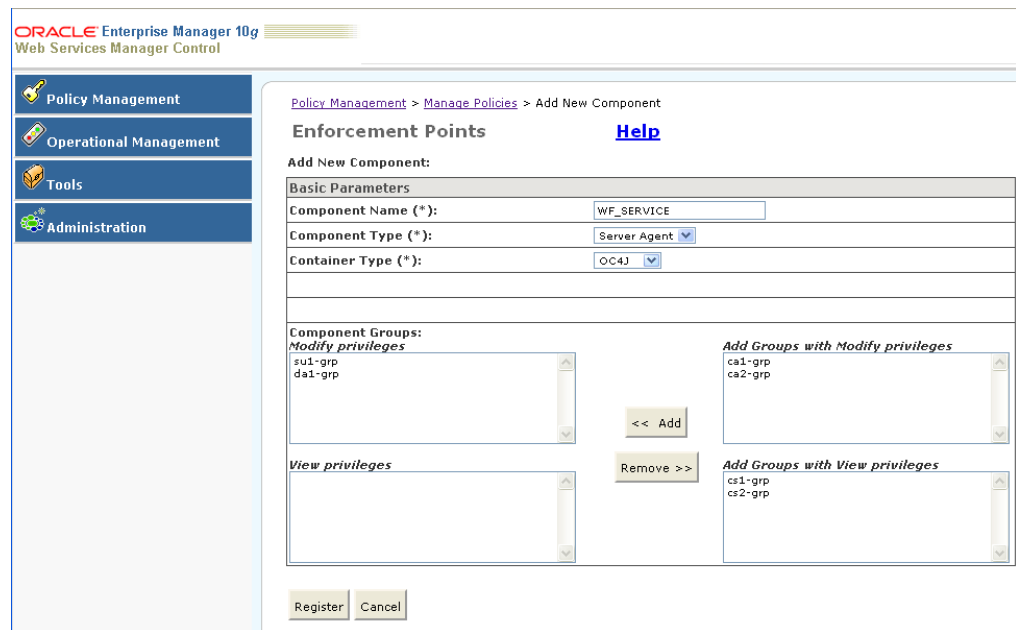
Adding a New Server Agent Component

To add a new server agent component:

1. Log in to Oracle Enterprise Manager.
2. Click the Add New Component button.

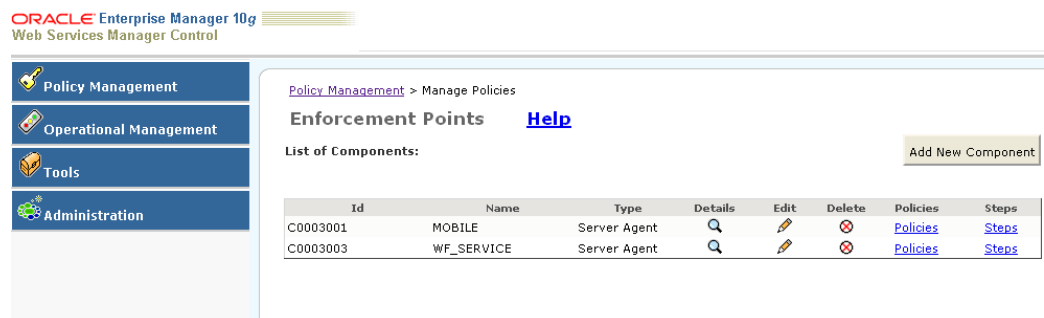


3. On Enforcement Points, click the drop-down menu for Component Type and select Server Agent.



4. Click the Register button.

Oracle Enterprise Manager adds the new server agent component.



Adding a Policy

To add a policy:

1. On Enforcement Points, click Policies next to the component to which you want to add a policy.
2. Click the Edit icon (pencil) next to Default Policy.

ORACLE Enterprise Manager 10g Web Services Manager Control

Policy Management > Manage Policies > Policies

Enforcement Points [Help](#)

Name : WF_SERVICE View Versions [Version](#)
 Type : Server Agent Save Policy [Save](#)
 Commit Policy Policy is committed

Policy Set for Component: "C0003003" [Add New Policy](#)

Policy Name	View Details	Edit	Delete
Default Policy	View Details	Edit	Delete

[Edit Mappings](#)

URL Pattern	Policy Name
*	Default Policy

3. In the Pipeline: "Request" section, on the Log line, click Add Step Below.

ORACLE Enterprise Manager 10g Web Services Manager Control

Policy Management > Manage Policies > Policies > Policy

Enforcement Points [Help](#)

Component: "WF_SERVICE"

Policy Definition: "Default Policy"

Pipeline: "PreRequest" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline

End Pipeline

Pipeline: "Request" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline [Add Step Below](#)

Log [Configure](#) [Add Step Below](#) [Delete](#)

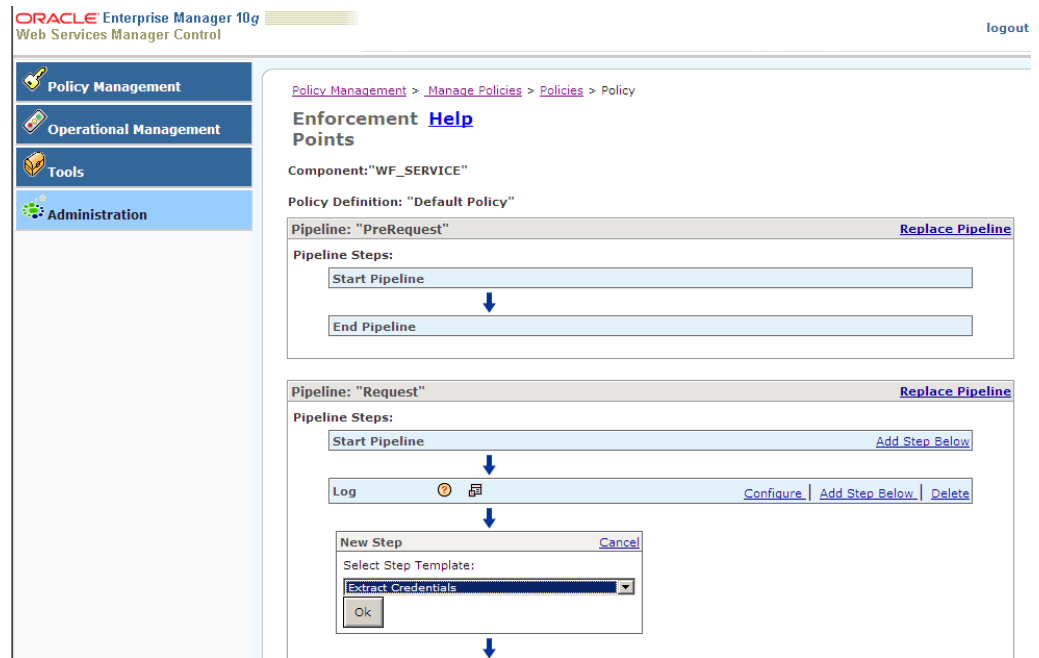
Extract Credentials [Configure](#) [Add Step Below](#) [Delete](#)

Insert WS BASIC Credentials Step [Configure](#) [Add Step Below](#) [Delete](#)

File Authenticate [Configure](#) [Add Step Below](#) [Delete](#)

Configuring Connector Security

4. In the New Step area, click the Select Step Template drop-down menu and select Extract Credentials.



5. Click OK.
6. Click Configure next to Extract Credentials and enter WS-BASIC for the value.
7. Click OK.

Configuring Connector Security

ORACLE Enterprise Manager 10g
Web Services Manager Control

Policy Management
Operational Management
Tools
Administration

Policy Management > Manage Policies > Policies > Policy

Configure Step [Help](#)

Pipeline: "Request"

Configure pipeline step

Pipeline Step Name: Extract Credentials

Extract Credentials				Environment Properties
Basic Properties	Type	Default	Value	
Enabled (*)	boolean	true	<input checked="" type="radio"/> true <input type="radio"/> false	
Extract Credentials Properties				Type
Credentials location (*)	string	HTTP	WS-BASIC	
Namespaces	string			
UserID xpath	string			
Password xpath	string			

Faults and Fault Handlers

Fault Code: <http://schemas.oblinox.com/ws/2003/08/Faults:AuthenticationFault> [Add Handler](#)

Ok Cancel

8. For the Extract Credentials step, click Add Step Blow, and select "Insert WS Basic Credentials Step."

ORACLE Enterprise Manager 10g
Web Services Manager Control

Policy Management
Operational Management
Tools
Administration

Component: "WF_SERVICE"

Policy Definition: "Default Policy"

Pipeline: "PreRequest" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline

End Pipeline

Pipeline: "Request" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline [Add Step Below](#)

Log [Configure](#) [Add Step Below](#) [Delete](#)

Extract Credentials [Configure](#) [Add Step Below](#) [Delete](#)

New Step [Cancel](#)

Select Step Template:

Insert WS BASIC Credentials Step

Ok

End Pipeline

9. Click Ok.

10. On the Insert WS Basic Credentials Step, click the Add Step Below link and then insert a step to authenticate, such as File Authenticate.

Important! Oracle Web Services Manager (OWSM) supports several authentication protocols. Your security policies might require more stringent security requirements.

ORACLE Enterprise Manager 10g
Web Services Manager Control

The screenshot displays the Oracle Enterprise Manager 10g Web Services Manager Control interface. On the left is a navigation pane with four items: Policy Management (selected), Operational Management, Tools, and Administration. The main content area is titled 'Component: "WF_SERVICE"' and 'Policy Definition: "Default Policy"'. It shows two pipeline configurations. The first, 'Pipeline: "PreRequest"', has steps 'Start Pipeline' and 'End Pipeline'. The second, 'Pipeline: "Request"', has steps 'Start Pipeline', 'Log', 'Extract Credentials', 'Insert WS BASIC Credentials Step', and 'End Pipeline'. Each step has a 'Configure' link. A 'New Step' dialog box is open over the 'Insert WS BASIC Credentials Step', showing 'Select Step Template:' with 'File Authenticate' selected in the dropdown, and 'Ok' and 'Cancel' buttons.

11. Click OK.
12. On the File Authenticate step, click the Configure link.

Configuring Connector Security

ORACLE Enterprise Manager 10g
Web Services Manager Control

Policy Management
Operational Management
Tools
Administration

POINTS

Component: "WF_SERVICE"

Policy Definition: "Default Policy"

Pipeline: "PreRequest" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline

End Pipeline

Pipeline: "Request" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline [Add Step Below](#)

Log [Configure](#) [Add Step Below](#) [Delete](#)

Extract Credentials [Configure](#) [Add Step Below](#) [Delete](#)

Insert WS BASIC Credentials Step [Configure](#) [Add Step Below](#) [Delete](#)

File Authenticate [Configure](#) [Add Step Below](#) [Delete](#)

End Pipeline

13. On Configure Step, click Ok.

ORACLE Enterprise Manager 10g
Web Services Manager Control

Policy Management
Operational Management
Tools
Administration

[Policy Management](#) > [Manage Policies](#) > [Policies](#) > Policy

Configure Step [Help](#)

Pipeline: "Request"

Configure pipeline step

Pipeline Step Name: File Authenticate

File Authenticate [Environment Properties](#)

Basic Properties	Type	Default	Value
Enabled (*)	boolean	true	<input checked="" type="radio"/> true <input type="radio"/> false

Authentication Properties	Type	Default	Value
Passwd file location (*)	string	.htpasswd	c:\passwd.txt
.htpasswd file format (*)	string	mixed	md5

Faults and Fault Handlers

Fault Code: [http://schemas.xmlsoap.org/ws/2003/08/Faults:AuthenticationFault](#) [Add Handler](#)

Ok Cancel

See "Using Oracle Web Services Manager to Secure Your Web Services" in the Oracle Web Services Manager Quick Start Guide for information about configuring various authentication methods, including setting up and encrypting a flat file (or text file) password.

14. Click Next.

Configuring Connector Security

Extract Credentials [Configure](#) [Add Step Below](#) [Delete](#)

Insert WS BASIC Credentials Step [Configure](#) [Add Step Below](#) [Delete](#)

File Authenticate [Configure](#) [Add Step Below](#) [Delete](#)

End Pipeline

Pipeline: "Response" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline [Add Step Below](#)

Log [Configure](#) [Add Step Below](#) [Delete](#)

End Pipeline

Pipeline: "PostResponse" [Replace Pipeline](#)

Pipeline Steps:

Start Pipeline

End Pipeline

[Next](#) [Cancel](#)

15. On Enforcement Points, click Save.

ORACLE Enterprise Manager 10g
Web Services Manager Control

[Policy Management](#) [Operational Management](#) [Tools](#) [Administration](#)

[Policy Management](#) > [Manage Policies](#) > [Policies](#) > Policy

Enforcement Points

Policy for Component: "C0003003"

Policy

Policy Name:

[Save](#)

16. Next to Commit Policy, click Commit.

[Policy Management](#) > [Manage Policies](#) > Policies

Enforcement Points [Help](#)

Name : WF_SERVICE View Versions [Version](#)
 Type : Server Agent Save Policy [Save](#)
 Commit Policy [Commit](#)

Policy Set for Component: "C0003003" [Add New Policy](#)

Policy Name	View Details	Edit	Delete
Default Policy			

[Edit Mappings](#)

URL Pattern	Policy Name
*	Default Policy

Enforcement Points – Commit Policy

Enabling Server Agent Components

After you commit the policy, run the script described in this section to enable the server agent components.

To enable server agent components:

1. On the OWSM server machine, set the agent.component.id property in the agent.properties file to the ID of the policy you created in the previous section. The agent.properties file is located in this directory:

`\\SOA Install\owsm\bin\`

For example, change the property to C0003001.

2. On the OWSM server machine, open the command line and run the following script:

Run `<SOA Install>\owsm\bin\wsadmin installAgent`

Note: The script prompts you to enter a password.

Associating a Web Service to the Server Agent

You must associate a web service with the server agent that you created in the previous section.

To associate a web service to the server agent:

Configuring Connector Security

1. On the Oracle SOA Suite Welcome page, click Application Server Control.

ORACLE SOA Suite

Welcome to Oracle SOA Suite (10.1.3.3.0)

Overview

Oracle SOA Suite is a complete set of service infrastructure components for creating, deploying, and managing Service Oriented Architectures. Oracle SOA Suite enables services to be created, managed, and orchestrated into composite applications and business processes.

Oracle SOA Suite consists of:

- Oracle BPEL Process Manager
- Oracle Enterprise Service Bus (ESB)
- Oracle Web Services Manager (OWSM)
- Oracle Business Rules
- Oracle Application Server Service Registry
- Oracle JDeveloper
- Oracle Application Server

Learn About SOA

Learn Oracle SOA Suite fundamentals by reading these technical guides

- [Oracle SOA Quick Start](#)
- [Oracle BPEL Process Manager Quick Start Guide](#)
- [Oracle ESB Quick Start Guide](#)
- [OWSM User and Administrator Guide](#)
- [Oracle Business Rules User's Guide](#)

Build Sample SOA Applications

Try building your first SOA Application by running a quickstart tutorial

- [Oracle SOA Quickstart Tutorial](#)
- [BPEL Quickstart Tutorial](#)
- [ESB Quickstart Tutorial](#)
- [ADF Quickstart Tutorial](#)
- [WSM Quickstart Tutorial](#)

Plan, Develop, and Deploy Your SOA Applications

Get a technical background by reading documentation about Oracle SOA Suite

- [SOA Developer's Guide](#)
- [BPEL Developer's Guide](#)
- [ESB Developer's Guide](#)
- [OWSM Deployment Guide](#)
- [ADF Developer's Guide](#)
- [Enterprise Deployment Guide](#)
- [Oracle Application Server Administrator's Guide](#)
- [OC4J Configuration and Administration Guide](#)

Additional Resources on the Oracle Technology Network

Learn more about the underlying technologies of Oracle SOA Suite

- [Release Notes](#)
- [SOA Documentation Library](#)
- [Service Oriented Architecture \(SOA\)](#)
- [BPEL](#)
- [JavaServer Faces \(JSF\)](#)
- [Enterprise JavaBean \(EJB\) 3.0](#)
- [JDeveloper](#)
- [Oracle Containers for J2EE \(OC4J\)](#)
- [Web Service Management \(OWSM\)](#)

Manage Your SOA Suite

Access management tools of Oracle SOA Suite

- [BPEL Control](#)
- [ESB Control](#)
- [Web Services Manager Control](#)
- [Application Server Control](#)
- [Rules Author](#)

2. Click the Application Server instance, which in this example is oc4j_soa

ORACLE Enterprise Manager 10g

Application Server Control

Cluster Topology

Page Refreshed Aug 26, 2008 3:43:34 PM MDT

Overview

Hosts 1 Application Servers 1
OC4J Instances 2 HTTP Server Instances 1

Members

View By: Application Servers

Start Stop Restart

Select All | Select None | Expand All | Collapse All

Select	Name	Status	Type	Category	Host	CPU (%)	Memory (MB)
<input type="checkbox"/>	▼ All Application Servers						
<input type="checkbox"/>	▼ soahome.yugu-pc8.mlab.jdedwards.com						
<input type="checkbox"/>	▶ home (JVMs: 1)	↑	OC4J		yugu-pc8	0.17	179.18
<input type="checkbox"/>	HTTP_Server	↑	Oracle HTTP Server			0.09	64.09
<input type="checkbox"/>	▶ oc4j_soa (JVMs: 1)	↑	OC4J			3.25	400.30

❖ Indicates the active ASControl instance.

☑ **TIP** If a parent topology member is selected all contained members are implicitly selected.

3. Click the Web Services tab.

Configuring Connector Security

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: soahome.yuqu-pc8.mlab.idedwards.com > OC4J: oc4j_soa

Home Applications **Web Services** Performance Administration

Application: All

Test Service

Select	Port Name	Web Service	Application	Application Status	Port Enabled	Start Time	Invocat
<input checked="" type="radio"/>	ExpenseRetrievalPort	ExpenseRetrieval	orabpel	↑	✓	Aug 26, 2008 3:34:59 PM MDT	
<input type="radio"/>	IdentityConfigServicePort	IdentityService	hw_services	↑	✓	Aug 25, 2008 4:05:17 PM MDT	
<input type="radio"/>	IdentityServicePort	IdentityService	hw_services	↑	✓	Aug 25, 2008 4:05:17 PM MDT	
<input type="radio"/>	OfferRetrievalPort	OfferRetrieval	orabpel	↑	✓	Aug 25, 2008 5:44:25 PM MDT	
<input type="radio"/>	POReqRetrievalPort	POReqRetrieval	orabpel	↑	✓	Aug 25, 2008 4:04:44 PM MDT	
<input type="radio"/>	ReqInfoUsersRetrievalPort	ReqInfoUsersRetrieval	orabpel	↑	✓	Aug 25, 2008 4:04:43 PM MDT	
<input type="radio"/>	TaskActionHandlerPort	TaskActionHandler	orabpel	↑	✓	Aug 25, 2008 4:04:47 PM MDT	
<input type="radio"/>	TaskActionHistoryRetrievalPort	TaskActionHistoryRetrieval	orabpel	↑	✓	Aug 25, 2008 4:04:42 PM MDT	
<input type="radio"/>	TaskAttributesRetrievalPort	TaskAttributesRetrieval	orabpel	↑	✓	Aug 25, 2008 4:04:41 PM MDT	
<input type="radio"/>	TaskClosePort	TaskClose	orabpel	↑	✓	Aug 25, 2008 4:04:41 PM MDT	
<input type="radio"/>	TaskManagerPort	TaskManager	orabpel	↑	✓	Aug 25, 2008 4:04:47 PM MDT	
<input type="radio"/>	TaskMetadataServicePort	TaskMetadataService	hw_services	↑	✓	Aug 25, 2008 4:04:59 PM MDT	
<input type="radio"/>	TaskQueryServicePort	TaskQueryService	hw_services	↑	✓	Aug 25, 2008 4:04:59 PM MDT	

The Web Services tab lists all the BPEL web services that you deployed and need secured by OWSM.

4. Secure all BPEL web services, except for TaskActionHandler and TaskManager, by completing these steps:
 - a. Select a port name associated with a web service, and then click the Administration tab.

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: soahome.yuqu-pc8.mlab.idedwards.com > OC4J: oc4j_soa > Application: orabpel >

Confirmation
Your changes have been applied.

Web Service: ExpenseRetrievalPort

Home Operations **Administration**

This table lists the management features available. You can customize the configuration of these management features and selectively enable/disable feature management feature will only affect the runtime when the feature is enabled.

Enable/Disable Features

Feature	Edit Configuration	Enabled	Description
Auditing		✗	Record message contents for purpose of auditing and/or non-repudiation.
Reliability		✗	Configure port level reliability characteristics for web service messages.
Security		✗	Configure security features to be applied to web service requests and responses.
Tracing		✗	Extract contents of messages and store them.
Web Services Agent		✗	Configure the Web Services agent for Oracle Web Services Manager.

Diagnostics
Diagnostic Logger Configuration

Home Operations **Administration**

- b. Click the Enable/Disable Features button to enable the port.

- c. On Enable/Disable Features, move the Web Services Agent to the Enabled Features box.

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: soahome.yuqu-pc8.mlab.idedwards.com > OC4J: oc4j_soa > Application: orabpel > Web Service: Expense
Enable/Disable Features

Select the management features that you would like to enable. Note that you can change the configuration for a management feature when the feature is enabled at runtime, the management feature has to be enabled.

Available Features

- Tracing
- Auditing
- Security
- Reliability

Move
Move All
Remove
Remove All

Enabled Features

- Web Services Agent

Setup | Logs | Help | Logout

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About Oracle Enterprise Manager 10g Application Server Control

- d. Click OK.

- e. In the Web Services Agent row, click the Edit Configuration icon.

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: soahome.yuqu-pc8.mlab.idedwards.com > OC4J: oc4j_soa > Application: orabpel > Web Service: ExpenseRetrievalPort

Home Operations Administration

This table lists the management features available. You can customize the configuration of these management features and selectively enable/disable features. A management feature will only affect the runtime when the feature is enabled.

Feature	Edit Configuration	Enabled	Description
Auditing			Record message contents for purpose of auditing and/or non-repudiation.
Reliability			Configure port level reliability characteristics for web service messages.
Security			Configure security features to be applied to web service requests and responses.
Tracing			Extract contents of messages and store them.
Web Services Agent			Configure the Web Services agent for Oracle Web Services Manager.

Diagnostics
Diagnostic Logger Configuration

Home Operations Administration

Setup | Logs | Help | Logout

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About Oracle Enterprise Manager 10g Application Server Control

- f. Enter the server agent ID and click Ok.

- g. Repeat these steps for each BPEL web service before continuing.

5. When finished securing the BPEL web services, restart Oracle SOA Suite.