

Oracle Utilities Customer Self Service

Installation Guide

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Chapter 1

Overview

This guide describes the installation steps that must be completed in order to use Oracle Utilities Customer Self Service integrated with Oracle Utilities Customer Care and Billing and Oracle Utilities Meter Data Management.

Note: This document is subject to revision and updating. For the most recent version of this and related documentation, check the Utilities Documentation section of the Oracle Technologies Network (OTN) at <http://www.oracle.com/technetwork/documentation/utilities-155272.html>.

Additional Resources

For more information on products related to OUCSS installation, see the following documents:

Resource	Location
WebCenter Portal Developers Guide (11.1.1.6.0)	http://docs.oracle.com/cd/E23943_01/webcenter.1111/e10148/toc.htm
Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack Install Guide and Implementation Guide	Refer to Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack documentation located on the Oracle Software Delivery Cloud.
Oracle Utilities Meter Data Management Installation Guide for Release v2.0.1	Refer to Oracle Utilities Meter Data Management installation documentation located on the Oracle Software Delivery Cloud.
Oracle Utilities Customer Care and Billing Installation Guide for Release v2.3.1	Refer to Oracle Utilities Customer Care and Billing installation documentation located on the Oracle Software Delivery Cloud.
Oracle Utilities Network Management System Installation Guide for Release v1.11	Refer to NMS installation documentation located on the Oracle Software Delivery Cloud.
Oracle SOA Suite documentation	http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html
Oracle MapViewer documentation	http://www.oracle.com/technetwork/middleware/mapviewer/documentation/index.html
Installing Custom Managed Server for OUCSS Portal	OUCSS_2_0_1_Whitepaper_Installing_CustomPortalManagedServer.pdf

Abbreviations

OUCSS	Oracle Utilities Customer Self Service
CCB	Oracle Utilities Customer Care and Billing
MDM	Oracle Utilities Meter Data Management
NMS	Oracle Utilities Network Management System
DDL	Data Definition Language
MDS	Metadata Services
OUI	Oracle Universal Installer
RCU	Repository Creation Utility
EAR	Enterprise Archive
WC	WebCenter
WLS	WebLogic Server
OUCSS Portal	OUCSS Self Service Portal build on WebCenter Portal Framework

Chapter 2

Installation

Software Requirements

The following software must be installed and configured prior to installation of Oracle Utilities Customer Self Service:

- Oracle WebCenter release 11.1.1.6.0 on WebLogic server 10.3.6.
- Oracle Utilities Customer Care and Billing release 2.3.1 installed on an Oracle database with patch 13652578 (included in Service Pack 5).

If integrating Oracle Utilities Meter Data Management:

- Oracle Utilities Meter Data Management release 2.0.1 installed on an Oracle database with Service Pack 7 (patch 13920265).
- Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack.

If you integration with Oracle Utilities Network Management System:

- Oracle Utilities Network Management System – Application version v1.11.1 Service Pack 2 installed on an Oracle database.
- Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Network Management System Release 3.1.1 Media Pack.
- See other requirements in the CCB-MDM Integrated Flows and CCB-NMS Integrated Flows section of this guide.

Pre-Installation Tasks

- 1 Ensure that Custom Portal managed servers are up and running (AdminServer, WC_CustomPortal). To setup Managed server for installing OUCSS Portal, please refer to [whitepaper OUCSS_2_0_1_Whitepaper_Installing_CustomPortalManagedServer.pdf](#).
- 2 Verify that edge applications are properly installed and configured.
Note: The installation script performs the detokenization of the Oracle Utilities Customer Care and Billing application URL according to your environment.
- 3 Deploy the Offer Service EAR (optional).

Note: If another Offer Service is used instead of the provided web service, the connection information in *InstallProperties.xml* file must be adjusted accordingly.

- Node Manager must be running to start and stop administration servers, managed servers through the Fusion Middleware Control or the Oracle WebLogic Server Administration Console.

To start Node Manager (first time only), run the *setNMProps* script to set *StartScriptEnabled=true* in the *nodemanager.properties* file:

On UNIX/Linux:

```
$MW_HOME/Oracle_Common_Home/common/bin/setNMProps.sh
```

On Windows:

```
$MW_HOME/Oracle_Common_Home\common\bin\setNMProps.cmd
```

Where **\$MW_HOME** refers to the directory in which WebCenter is installed.

To start the Node Manager (subsequent starts), navigate to *WL_HOME/server/bin*, then enter:

On UNIX/Linux:

```
./startNodeManager.sh
```

On Windows:

```
./startNodeManager.cmd
```

When Node Manager starts, it reads the *nodemanager.properties* file with the *StartScriptEnabled=true* property, and uses the start scripts when it subsequently starts the managed servers. Note that you need to run the *setNMProps* script only once.

- Before starting OUCSS deployment, verify that the Admin and Portal Managed Servers are up and running from the WebLogic admin URL <http://weblogichostname:weblogicadminport/console>, as shown in the following image:

This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table

Servers (Filtered - More Columns Exist)

New Clone Delete

Name	Cluster	Machine	State	Health	Listen Port
AdminServer (admin)		admin	RUNNING	OK	7250
WC_CustomPortal		nodemanager	RUNNING	OK	9000

New Clone Delete

Showing 1 to 2 of 2 Previous Next

How do I...
 • Create Managed Servers
 • Clone Servers
 • Delete Managed Servers
 • Delete the Administration Server
 • Start and stop servers

System Status
 Health of Running Servers
 Failed (0)
 Critical (0)
 Overloaded (0)
 Warning (0)
 OK (2)

- Optional: [Required only if Outage functionality is enabled] Install and Configure MapViewer for Outage Map. For MapViewer installation procedures see the appendix “Installing and Configuring Oracle MapViewer” later in this document.
- Operating System User for installation of OUCSS: Depending upon your operating system you can perform installation of OUCSS with any user having permission to execute Middleware scripts (Installation Step #4, Pre-Installation Tasks #4). However, it is better to maintain separate users for OUCSS and WebCenter installations and not use the default root/administrator user.
- Refer to Appendix G if the <username> and <password> under the <NMS> element are not populated in *InstallProperties.xml* for key “OUCSS_INTG_BASIC_KEY”, which is commonly used for both NMS- and MDM-related Integration calls (BPEL/SOA).

Configuring Edge Applications

To configure edge applications, see the configuration information in the *Oracle Utilities Customer Care and Billing Implementation Guide*, including the sections related to Oracle Utilities Meter Data Management (if integrating that product).

Installing OUCSS Portal

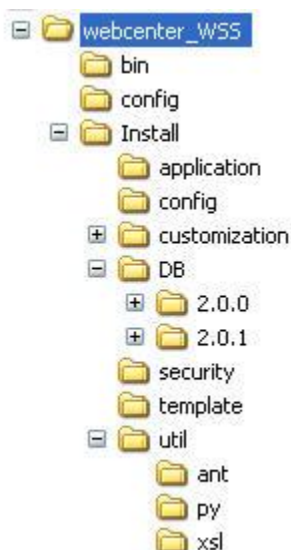
This procedure describes the default installation method for OUCSS that extends WebCenter Portal Framework with OUCSS taskflows.

Note: An alternative portlets-based method for installing and uninstalling OUCSS is available for users implementing a non-portal solution or for users who may want to integrate OUCSS portlets into an existing portal application. For details on the alternative method, see *Appendix B*.

To perform the default OUCSS installation:

- 1 Download <OUCSS-PortalInstall>.zip from the Oracle Software Delivery Cloud (edelivery.oracle.com) and extract into a target installation directory (e.g., /spl/OUCSSPortalInstall on Linux or D:\OUCSSPortalInstall on Windows).
- 2 Locate *webcenter_WSS.zip* in the installation folder and unzip the contents to a *webcenter_WSS* subfolder under the installation folder.

Note: Contents of the *webcenter_WSS.zip* can be extracted to any target location, but the *webcenter_WSS* directory should **not** be deleted after installation. The *webcenter_WSS* folder contains your OUCSS program, configuration, and installation folders and files (/bin, /config, /Install).



- 3 Set the PRODUCT_HOME environment variable to point to *webcenter_WSS*:

Windows example:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return PRODUCT_HOME as D:\OUCSS\webcenter_WSS.

Linux example:

```
export PRODUCT_HOME=/spl/OUCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return PRODUCT_HOME as /spl/OUCSS/webcenter_WSS.

- 4 Set the WebLogic server environment by running the `setWLSEnv.cmd` script (on Windows) or `setWLSEnv.sh` script (on Linux) depending upon your environment shell. The scripts `setWLSEnv.sh` or `setWLSEnv.cmd` are located in `<MW_HOME>\wlserver_10.3\server\bin` (where `MW_HOME` is the directory in which WebLogic and WebCenter components are installed). After running the script `setWLSEnv`, verify that the **wlserver** environment is set in your **classpath** and **path** environment variables.

Windows example:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

Linux example for bash shell:

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

Note: Depending upon your environment shell, be sure to execute the appropriate command to execute `setWLSEnv.sh`.

- 5 Update the `<PRODUCT_HOME>/config/InstallProperties.xml` file with values appropriate to your environment (see *Appendix D* for a sample `InstallProperties.xml` file and an explanation of the properties and elements available in the file).
- 6 Execute the following command to change to `PRODUCT_HOME/bin`:

On UNIX/Linux

```
cd $PRODUCT_HOME/bin
```

On Windows:

```
cd %PRODUCT_HOME%\bin
```

Note: Before proceeding with Steps 7-11 ensure that Admin and WC_CustomPortal servers are up and running.

- 7 Run the deployment/installation command to import default OUCSS users and groups into the WebLogic LDAP.

Note: This command is valid only if you are using a WebLogic embedded LDAP; it is not valid on other LDAPS.

On Windows:

```
ant -f InstallBuild.xml importLDIFPortalEmbeddedLDAP -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l importLDAP.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml importLDIFPortalEmbeddedLDAP -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l importLDAP.log
```

After running the command check `importLDAP.log` for any build errors, and fix any errors listed in the log before proceeding.

- 8 Verify user and group creation by logging in to the Oracle WebLogic Server console at <http://<WLSAdminHostName>:<WLSAdminServerPort>/console> as `wlsadminuser/wlsadminpasswd`.
 - A. Select **portal_domain > Security Realms > myrealm > Users and Groups**.
 - B. Verify that the users `WSSAdmin` and `WSSCSR` were created.
 - C. Verify that the groups `WSSAdminGroup`, `WSSCSRGroup`, `WSSEnrolledGroup`, and `WSSGroup` were created.
- 9 Run the installation command to deploy the following OUCSS artifacts:
 - New DB Schema and required tables for OUCSS are created in the database.
 - Security Credentials.
 - `extend.oucss.portal.war` and `OUCSS_Extension.war` as shared libraries in WebLogic. These libraries are required.
 - `oracle.ugbu.ss.billing.offers.ws.model_2.0.1.ear` is deployed only if your environment uses the offer service (if the `OUCSSOfferServiceFlag` in `InstallProperties.xml` is set to true).
 - `OUCSSPortalEAR.ear` containing the OUCSS Portal
 - Create Mail Session.

On Windows:

```
ant -f InstallBuild.xml InstallPortal -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l installOUCSS.log
```

On UNIX/Linux:

```
ant -f InstallBuild.xml InstallPortal -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l installOUCSS.log
```

After running the command check installOUCSS.log for any build errors, and fix any errors listed in the log before proceeding.

Note: NMS/Outage connections will be created only if the <outageenable> Flag is set to *true* in the InstallProperties file. Also, the connection to the Alerts service will be directed to the Alerts BPEL Web Service instead of the CCB Web Service. Be sure to double check the <outageenable> flag in InstallProperties.xml to get the intended results.

10 Update the System Configuration values. To modify the values:

- A. Login to OUCSS Portal using WSSAdmin.
- B. Go to the **Admin > System** page.
- C. Modify the properties (listed in the following table) to match your environment. After the required changes are saved, update the system cache by clicking the **Action Menu > Flush Cache** button.

Property	Description	Default Value
installation.owner.flag	This is the current installation owner flag. When the product will be shipped this property should be CM	CM
oucss.default.locale	Default Locale of OUCSS Application	En
edgeapplication.ccb.datasource	This is the edge application code. E.g. C1, M1 etc. from where the data is pulled.	C1
lookups.webservice.status	Status of the Lookup Value inserted using this service. Only allowed values are ACTIVE, INACTIVE.	ACTIVE
validate.regex.email	Regular expression to validate email address in OUCSS UI.	[a-zA-Z0-9._%+~]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}
validate.regex.username	Regular expression to validate a valid user name that can be used when registering.	[a-zA-Z0-9_]*
validate.regex.password	Regular expression to validate the password pattern that can be used when registering or changing user password.	[a-zA-Z0-9_]*
validate.length.password.min	Integer value for minimum length of the password that should accepted when registering or changing password.	8
validate.length.password.max	Integer value to allow maximum length of the password when registering or changing password.	12
mail.session.jndi.name	JNDI of Mail Session to send emails.	mail/OUCSS
webcenter.register.url	This will be used in the registration email which is sent to the user with the registration key and a URL. User shall click on this link in the email to complete the OUCSS registration.	http://portalhostname:portalport/OUCSSPortal/faces/oracle/ugbu/ss/portal/pages/base/AccountList.jspx?regKey=
webcenter.login.url	This property will be used in email messages to send the user the login URL.	http://portalhostname:portal/OUCSSPortal

mobile.brow.branding.image.bg	This property controls the background color for branding image for OUCSS Mobile browser solution. Note: This is applicable to mobile application installation	#FF0000
outage.map.color.theme.buckets	Match the number to number of colors configured in outage.map.color.theme.colors property	4
outage.table.page.size	Number of records that can be displayed at a time on the Outage Table screen	10
outage.map.base.map	This property is used to setup BASE MAP configured in the MapViewer. This property will be used to display the Outage Summary Map.	Value configured in InstallProperties.xml
outage.map.color.theme	This property is used to color code Outages in Outage Summary.	Value configured in InstallProperties.xml
outage.map.color.theme.loc	This property is the Area Column from the Color Theme configured above.	Value configured in InstallProperties.xml
outage.map.srid	This property is SRID of the Co-Ordinate system used by Base Map and Theme configured above.	Value configured in InstallProperties.xml /8307
outage.map.color.theme.colors	This property is configured to set the number of buckets to aggregate the Outages as well as the respective color of each bucket.	#00FF00;#EEEE00;#FF7F00; #FF0000 (Green, Yellow, Orange and Red)
outage.area.nms.config	This property represents the Area configured to aggregate Outages in NMS. This will affect the color theme and/or theme location column configured above.	ZIP (other valid values are CITY and COUNTY).
rollback.on.failed.email	This property if set to 'Y' will roll back Enroll or Invite to an Account if the sending the email fails. Set it to 'N' if mail session is not configured or you want to commit Enroll and Invite even if sending email fails.	Y
account.list.max.rows	This property specifies the number of associated accounts that will be displayed without enabling search functionality. Once the number of accounts exceeds this limit, search will be enabled.	10
account.list.page.size	This property controls the page size or the number of accounts per page presented in the Account List. If the number of associated accounts exceeds the value of this parameter, paging will be enabled.	10
max.rows.premise.search	Set this property to the max number of rows that can result in a Premise search. The system will show error if the premise search in Start Service and New Customer service exceeds the value set here.	10
current.oucss.version	This property tracks the current OUCSS version. Please do not change this property.	2.0.1

default.customerclass.parm	Property to set default Customer Class configured in CCB for Start/Stop/Transfer Services.	R
default.personbusiness.parm	This property sets the default Person Business configured in CCB for Start/Stop and Transfer service.	P
default.newcust.requestmode	This property sets the default Request Mode configured in CCB for New Customer Service.	C1ST

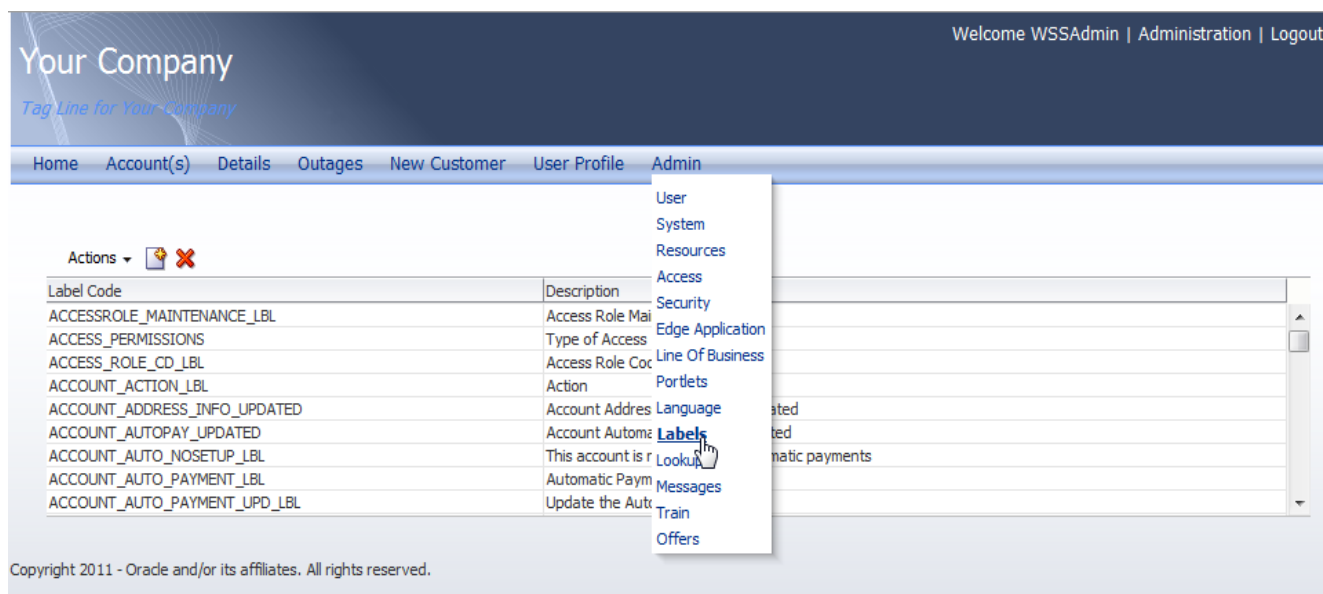
11 Reload Labels and Lookups from CCB with WSSAdmin user.

Important: See the pertinent sections of the *OUCSS Implementation Guide* for information on configuring labels and lookups in CCB (as well as MDM, if applicable) and ensure configurations are in place prior to executing this step.

- A. Log in into the OUCSS Portal application at `http://<PortalHost>:<PortalPort>/OUCSSPortal` with WSSAdmin/welcome1.

Note: For security reasons, change the default password for WSSAdmin user from “welcome1” to a new password.

- B. Select **Labels** from **Admin** menu.



- C. Click **Actions** > **Reload Labels** as shown in the following image:

Your Company
Tag Line for Your Company

Welcome WSSAdmin | Administration | Logout

Home Account(s) Details Outages New Customer User Profile Admin

Actions  

Label Code	Description
ACCESSROLE_MAINTENANCE_LBL	Access Role Maintenance
ACCESS_PERMISSIONS	Type of Access
ACCESS_ROLE_CD_LBL	Access Role Code
ACCOUNT_ACTION_LBL	Action
ACCOUNT_ADDRESS_INFO_UPDATED	Account Address Information updated
ACCOUNT_AUTOPAY_UPDATED	Account Automatic Payment updated
ACCOUNT_AUTO_NOSETUP_LBL	This account is not setup for automatic payments
ACCOUNT_AUTO_PAYMENT_LBL	Automatic Payment
ACCOUNT_AUTO_PAYMENT_UPD_LBL	Update the Automatic Payment

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The message, “Labels from edge application loaded successfully” should appear.

D. Select **Lookup** from **Admin** menu.

Your Company
Tag Line for Your Company

Welcome WSSAdmin | Administration | Logout

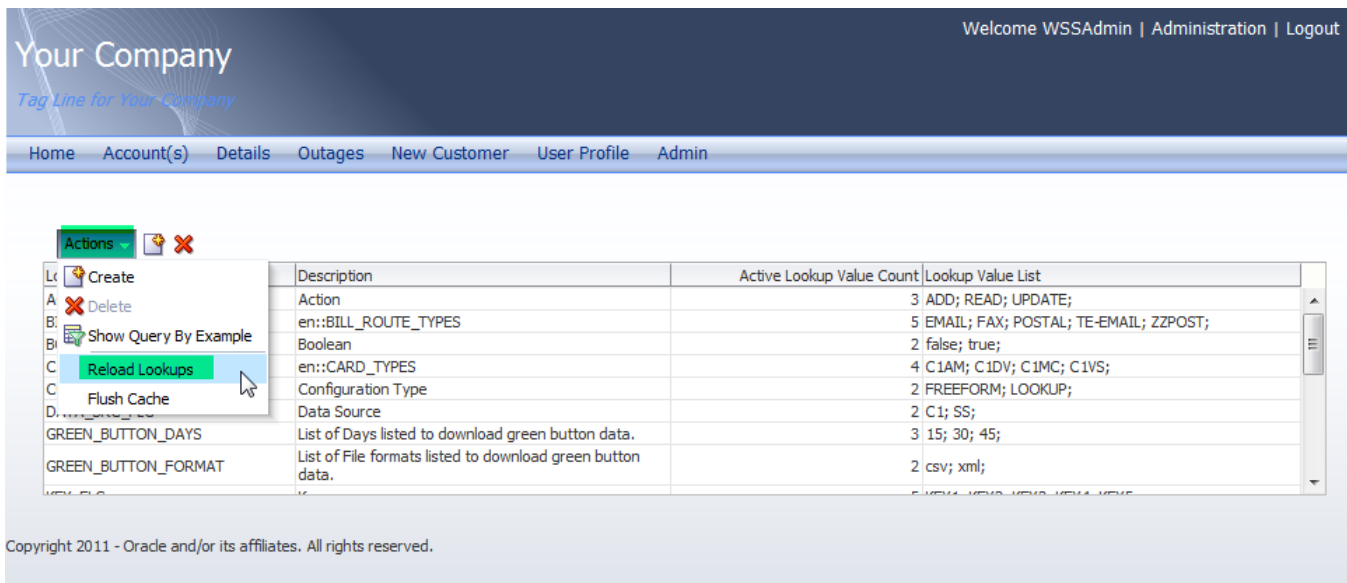
Home Account(s) Details Outages New Customer User Profile Admin

Actions  

Label Code	Description
ACCESSROLE_MAINTENANCE_LBL	Access Role Maintenance
ACCESS_PERMISSIONS	Type of Access
ACCESS_ROLE_CD_LBL	Access Role Code
ACCOUNT_ACTION_LBL	Action
ACCOUNT_ADDRESS_INFO_UPDATED	Account Address Information updated
ACCOUNT_AUTOPAY_UPDATED	Account Automatic Payment updated
ACCOUNT_AUTO_NOSETUP_LBL	This account is not setup for automatic payments
ACCOUNT_AUTO_PAYMENT_LBL	Automatic Payment
ACCOUNT_AUTO_PAYMENT_UPD_LBL	Update the Automatic Payment

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E. Click **Actions > Reload Lookups**.



- 12 Run the following command from `product_home\bin` to restart Portal managed servers after reloading labels and lookups from CCB:

On Windows:

```
ant -f InstallBuild.xml RestartWSSServer -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l restartPortall.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml RestartWSSServer -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l restartPortall.log
```

Post-Installation Checklist

Use this following checklist to verify that OUCSS correctly installed.

Verify the OUCSS Schema tables

- 1 Log in into the database with the OUCSS dbuser/passwd credentials that you created during the installation process.
- 2 Verify that the following tables exist by executing the query `select * from tab.`
 - SS_ACCESS_ROLE
 - SS_ACCESS_ROLE_L
 - SS_CONFIGURATION
 - SS_EDGE_APPLICATION
 - SS_EDGE_APPLICATION_L
 - SS_KEYS
 - SS_LABEL
 - SS_LABEL_L
 - SS_LANGUAGE
 - SS_LINE_OF_BUSINESS
 - SS_LINE_OF_BUSINESS_L
 - SS_LOB_ACCESS_ROLE
 - SS_LOB_ACCESS_ROLE_PORTLET

- SS_LOB_ACCROLE_PRTLT_ACTION
- SS_LOOKUP
- SS_LOOKUP_L
- SS_LOOKUP_VAL
- SS_LOOKUP_VAL_L
- SS_MESSAGE
- SS_MESSAGE_L
- SS_OFFER
- SS_OFFER_LANGUAGE
- SS_OFFER_SET
- SS_OFFER_SET_L
- SS_PORTLET
- SS_PORTLET_ACTION
- SS_PORTLET_L
- SS_RESOURCE
- SS_RESOURCE_L
- SS_TRAIN
- SS_TRAIN_L
- SS_TRAIN_PORTLET
- SS_USER
- SS_USER_LOB_ACCESS_ROLE

Verify the OUCSS Data Source

- 1 Log in to the Oracle WebLogic Server console at <http://WLSAdminHost:WLSAdminServerPort/console> with wlsadminuser/wlsadminpasswd.
- 2 Select the <portal_domain_name>, then expand **Services** and click **Data Sources**.

The list of data sources should include the OUCSS data source **OUCSSDS**, as shown in the following image:

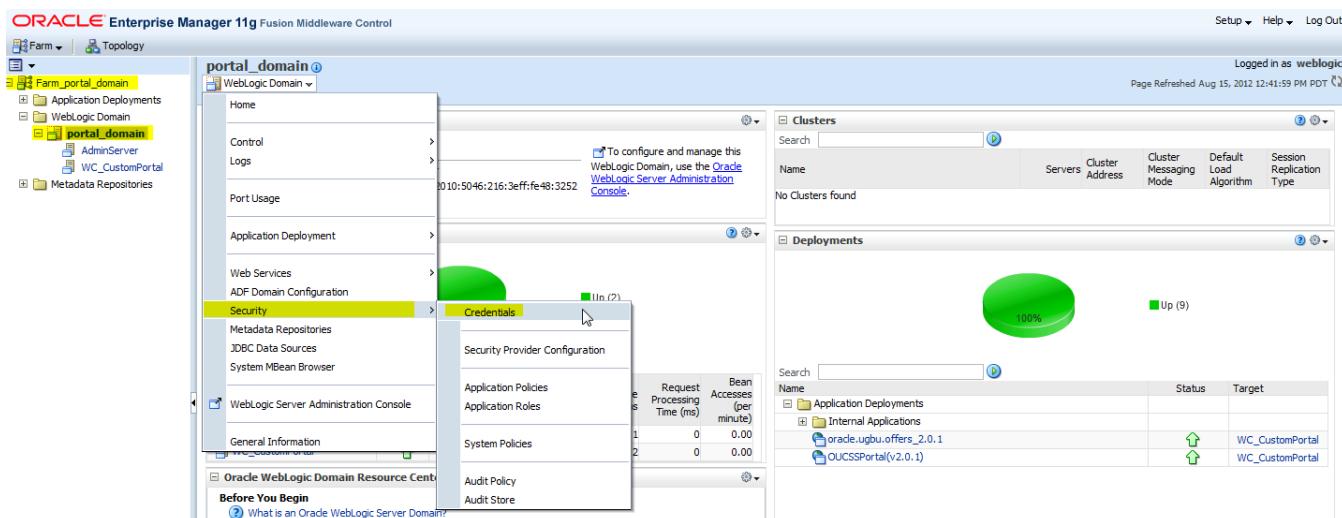
The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Domain Structure' tree is expanded to 'portal_domain' > 'Services' > 'Data Sources'. The main panel displays the 'Summary of JDBC Data Sources' page. Below the introductory text, there is a table titled 'Data Sources (Filtered - More Columns Exist)'. The table has four columns: Name, Type, JNDI Name, and Targets. The row for 'OUCSSDS' is highlighted in yellow.

Name	Type	JNDI Name	Targets
Activities-CustomPortalDS	Generic	jdbc/activities/CustomPortalDS	WC_CustomPortal
mds-CustomPortalDS	Generic	jdbc/mds/CustomPortalDS	AdminServer, WC_CustomPortal
mds-owsm	Generic	jdbc/mds/owsm	AdminServer, WC_CustomPortal
OUCSSDS	Generic	jdbc/OUCSSDS	WC_CustomPortal
WebCenter-CustomPortalDS	Generic	jdbc/webcenter/CustomPortalDS	WC_CustomPortal

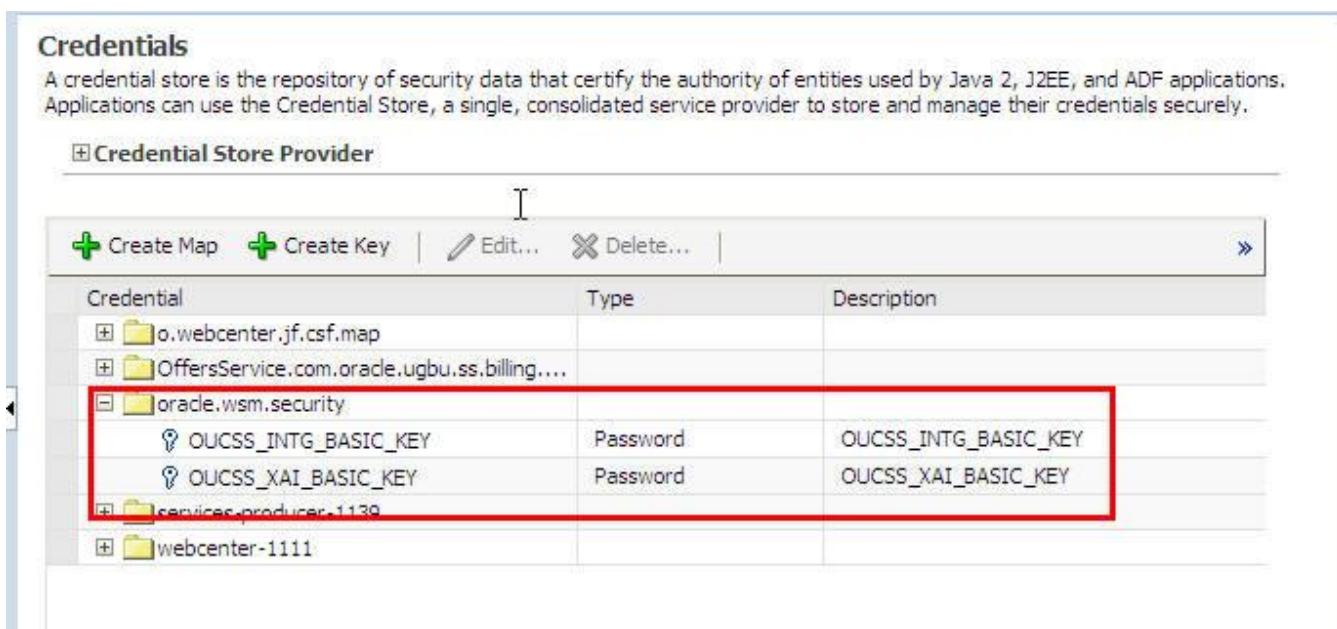
Verify the OUCSS Security Credential

To verify that the Security Credential **OUCSS_XAI_BASIC_KEY** was successfully created:

- 1 Log in into the Oracle Enterprise Manager console <http://WLSAdminHost:WLSAdminServerPort/em> with `wlsadminuser/wlspasswd`.
- 2 Select **Weblogic_Domain**, then **<portal_domain_name>**.
- 3 Click **<portal_domain_name>**, then choose **Security > Credentials**, as shown in the following image:



- 4 Under **Credentials** select and expand **oracle.wsm.security**. **OUCSS_INTG_BASIC_KEY** and **OUCSS_XAI_BASIC_KEY** should be present, as shown in the following image:



Note: If you have opted for OfferService you will also see credentials for OfferService created under `OffersService.com.ugbu.ss.billing.offers`

Verify OUCSS Shared Libraries, OUCSS Portal and Offers Deployment

To verify OUCSS shared library deployment:

- 1 Login in to the Oracle WebLogic Server console at <http://<WLSAdminHost>:<WLSAdminServerPort>/console> as wlsadminuser/wlsadminpasswd.
- 2 Navigate to <<portal_domain_name> Deployments.

The following deployments should be listed:

- com.oracle.ugbu.ss_2.0.1(11.1.1,11.1.1.6.0) [as a “Library” deployment]
- extend.oucscs.portal(11.1.1,11.1.1.6.0) [as a “Library” deployment]

Oracle WebLogic Server Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: portal_domain

Home > Summary of JDBC Data Sources > Summary of Deployments

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start Stop

Showing 1 to 57 of 57 Previous Next

Name	State	Health	Type	Deployment Order
adf.oracle.businesseditor(1.0,11.1.1.2.0)	Active		Library	100
adf.oracle.domain(1.0,11.1.1.2.0)	Active		Library	100
adf.oracle.domain.webapp(1.0,11.1.1.2.0)	Active		Library	100
com.oracle.ugbu.ss_2.0.1(11.1.1,11.1.1.6.0)	Active		Library	100
content-app-lib(11.1.1,11.1.1)	Active		Library	300
content-web-lib(11.1.1,11.1.1)	Active		Library	300
DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
em	Active	OK	Enterprise Application	400
email	Active		Library	100
emas	Active		Library	100
emcore	Active		Library	100
extend.oucscs.portal(11.1.1,11.1.1.6.0)	Active		Library	200
FMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
jaws-framework-web-lib(10.3.2,10.3.2)	Active		Library	300
jersey-web-lib(1.0.1.0.2)	Active		Library	300

- 3 Verify that the OUCSSPortal (v2.0.1) is deployed as Enterprise Application and is Active.

Oracle WebLogic Server Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: portal_domain

Home > Summary of JDBC Data Sources > Summary of Deployments

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start Stop

Showing 1 to 7 of 7 Previous Next

Name	State	Health	Type	Deployment Order
DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
em	Active	OK	Enterprise Application	400
FMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
oracle.ugbu.offers_2.0.1	Active	OK	Enterprise Application	100
OUCSSPortal (v2.0.1)	Active	OK	Enterprise Application	100
wsdl-wls	Active	OK	Enterprise Application	5
wsm-pm	Active	OK	Enterprise Application	5

- 4 Optionally, verify oracle.ugbu.offers_2.0.1 [an optional “Enterprise Application” deployment] is deployed

Note: oracle.ugbu.offers_2.0.1 deployment depends on the value of the <OUCCSOfferServiceFlag> in *Installproperties.xml*. If the value of <OUCCSOfferServiceFlag> is set to *true*, oracle.ugbu.offers_2.0.1 is deployed; if the value is *false*, it is not deployed.

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Domain Structure' tree is visible, with 'Deployments' selected under 'portal_domain'. The main area displays the 'Summary of Deployments' page, which includes a table of installed applications. The table has columns for Name, State, Health, Type, and Deployment Order. The application 'oracle.ugbu.offers_2.0.1' is highlighted in yellow, indicating it is an Enterprise Application in an Active state with a health of OK.

Name	State	Health	Type	Deployment Order
DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
em	Active	OK	Enterprise Application	400
FMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
oracle.ugbu.offers_2.0.1	Active	OK	Enterprise Application	100
OUCCSPortal (v2.0.1)	Active	OK	Enterprise Application	100
wsl-wls	Active	OK	Enterprise Application	5
wsm-pm	Active	OK	Enterprise Application	5

Verify that OUCSS Mail Session is Created

- >Goto portal_domain select Services >MailSessions >Under Summary of Mail Sessions, Verify OUCSS is created as shown below,

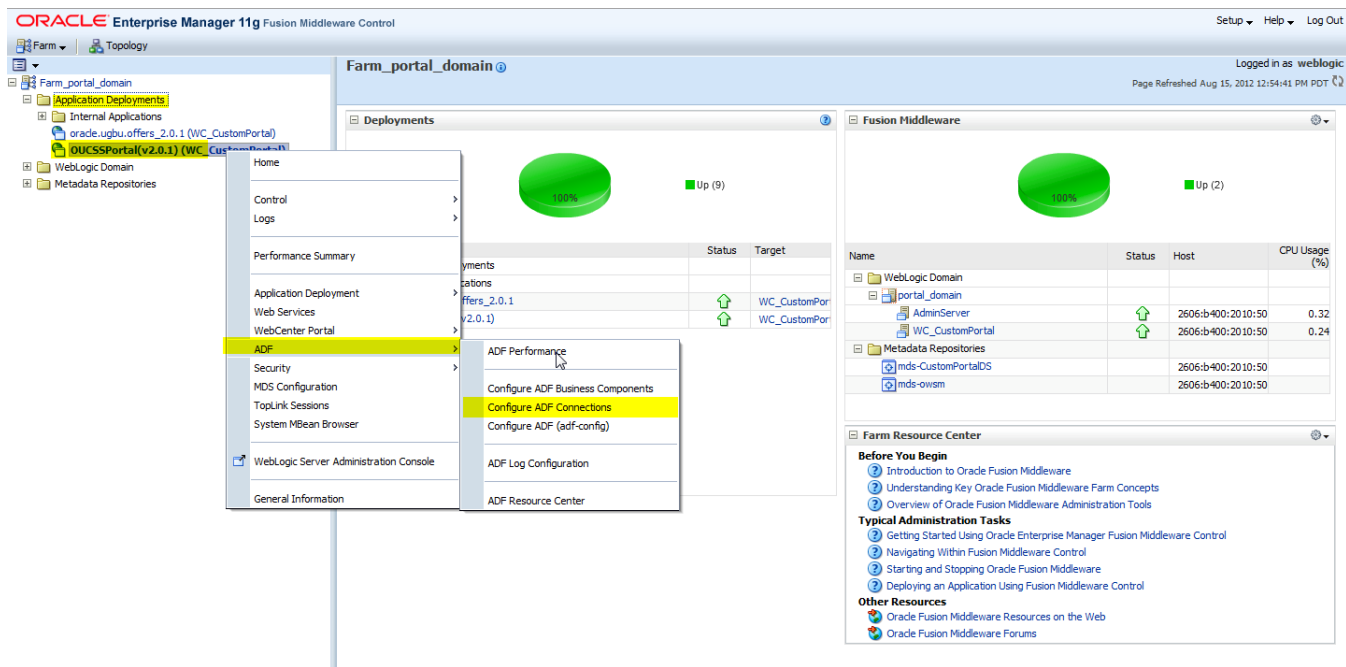
The screenshot shows the 'Mail Sessions' page in the Oracle WebLogic Server Administration Console. It displays a table with one mail session named 'OUCSS'. The table has columns for Name, Properties, and JNDI Name. The 'OUCSS' session is highlighted, and its properties and JNDI Name are visible.

Name	Properties	JNDI Name
OUCSS	mail.smtp.port=25 mail.from=wssAdmin@mailhost.com mail.transport.protocol=smtp mail.smtp.host=mailhost.com mail.host=mailhost.com	mail/OUCSS

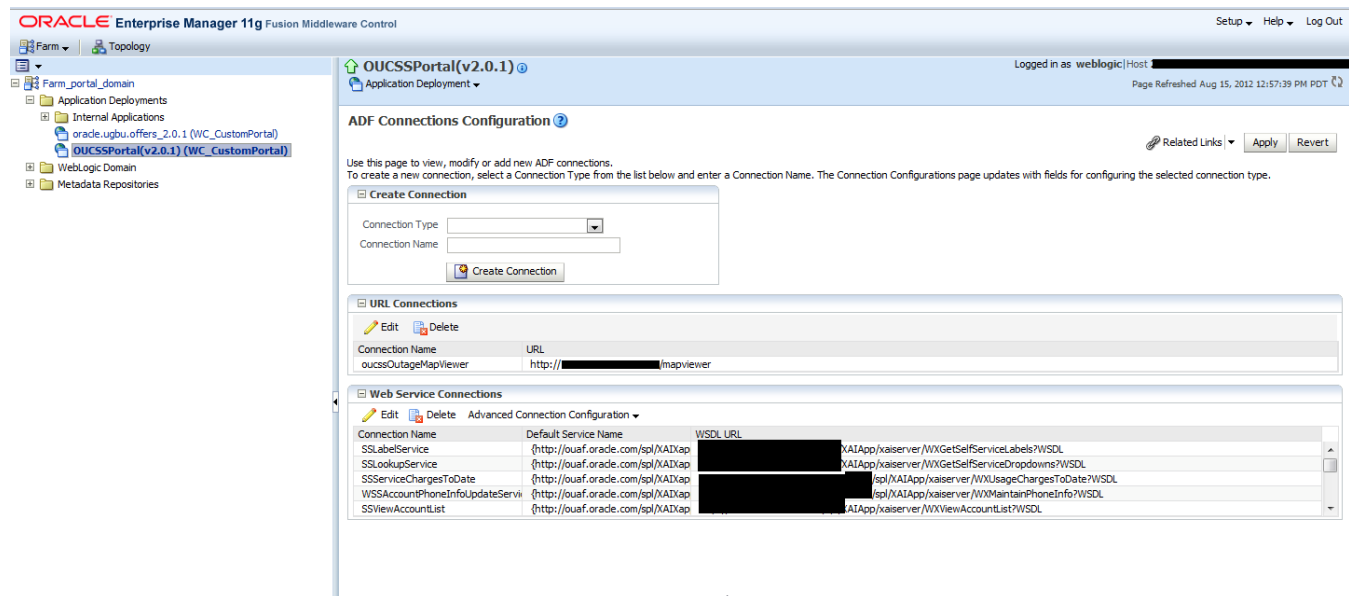
Verify Tokenization of the CCB Edge Application wsd/

To verify that the CCB edge application wsd/ is correctly tokenized:

- 1 Log in into the Oracle Enterprise Manager console at <http://WLSAdminHost:WLSAdminServerPort/em> with wlsadminuser/wlsadminpasswd.
- 2 Select **OUCCSPortal(v2.0.1)** from Application Deployments, then right-click and choose **ADF > Configure ADF Connections** from the context menu as shown in the following image:



- Under **Web Service Connections** each connection name has a corresponding CCB WSDL URL. Click on any connection name (e.g., **WSSAccountPhoneInfoUpdateService**), click **Edit**, and select **WSDL URL**. The connection URL (e.g., `http://ccbhostname:portno/sp1/XAIApp/xaiserver/WXMaintainPhoneInfo?WSDL`) should open in your browser.



- Repeat Step 3 for all remaining connections including **oucssOutageMapView** (if present) to confirm that detokenization has been completed for all Web services and URL connections.

Post-Installation Steps

Register New WSS User and Test Functionality

- Browse to the OUCSS Portal application at `http://<PortalHost>:<PortalPort>/OUCSSPortal` and click **Register** to open the OUCSS Registration page.

- 2 Enter the **Username**, **Password**, **First** and **Last Name**, and **Email Address** in the self-registration page, then click **Register**.

- 3 An information screen should appear to let you know the user was successfully created, as shown in the following image.
- 4 **Login** into OUCSS Portal by entering the newly-registered WSS user name and password, then click the **Login** button.

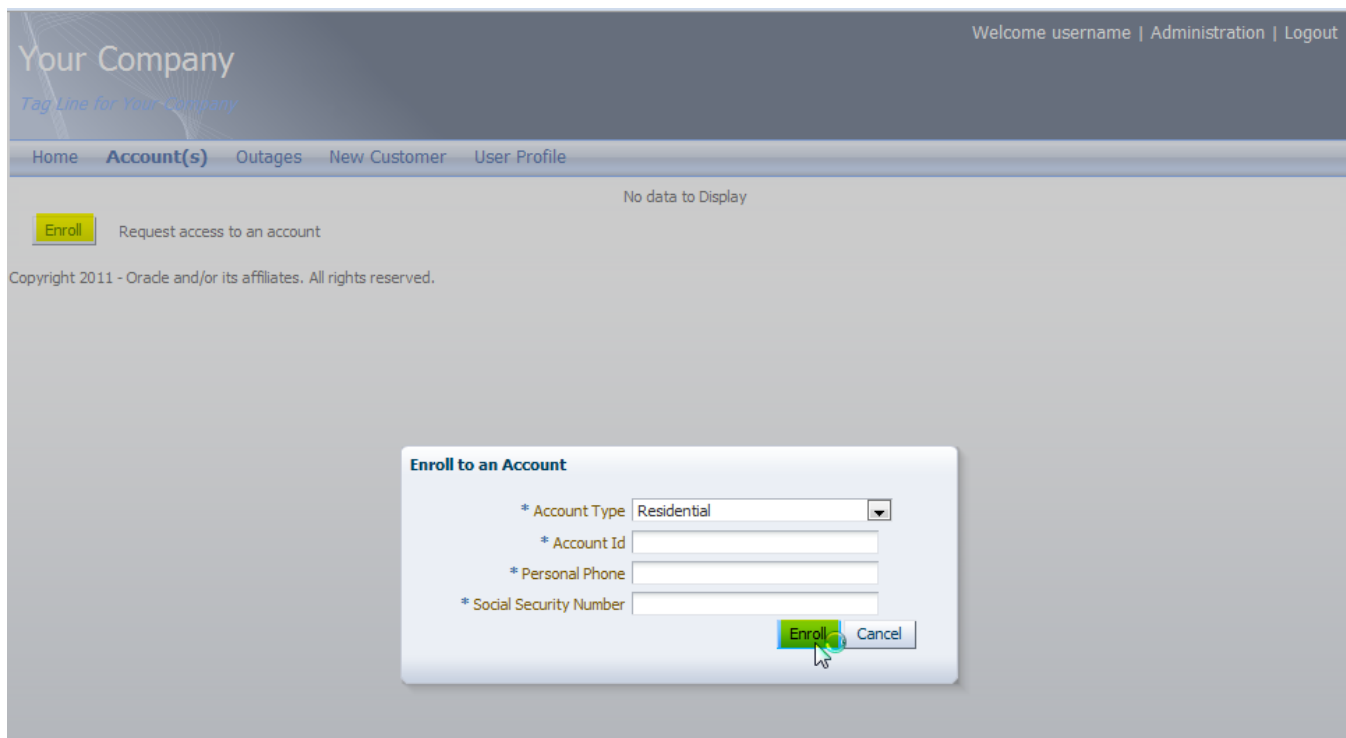
Copyright 2011 - Oracle and/or its affiliates. All rights reserved.

- 5 From Accounts page, click **Enroll** to open the **Enroll to an Account** details screen.

Note: If enrollment has not yet been performed, you will receive a “No data to Display” message as shown in the following image. To perform initial enrollment, proceed with the next step.

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- 6 Select the appropriate enrollment (Residential/Commercial) type and enter the details, depending upon your environment. If, for example, the account type is **Residential**, enter **Account Id** and **Verificaiton** details, then click **Enroll**.



- 7 After the account has been verified and added, click **Details** and verify establishment of the account by checking that all Dashboard, Information, Financial History, Bill, Compare Plans, and Usage and Payment Arrangement are working properly.

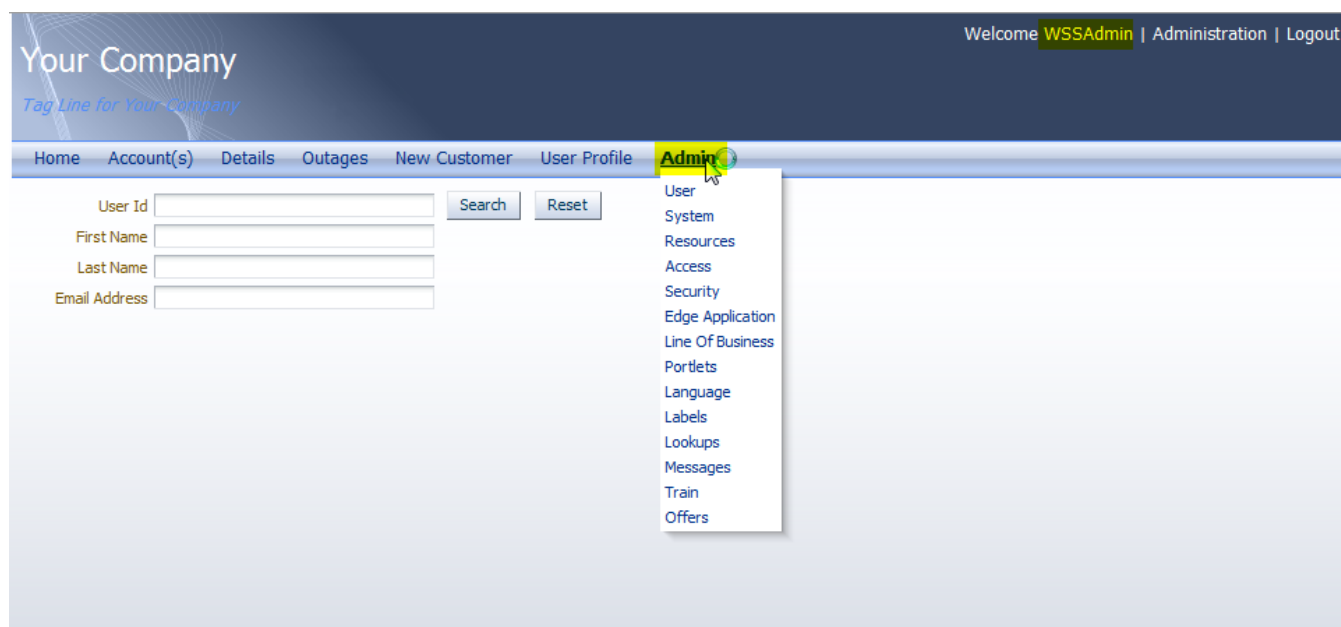
Verify the Security Configuration

Verify OUCSS Admin Default User “WSSAdmin” Functionality :

- 1 Connect to the OUCSS Portal application at `http://<PortalHost>:<PortalPort>/OUCSSPortal`.
- 2 Log in as WSSAdmin/welcome1.

Note: For security reasons, change the default password for WSSAdmin user from “welcome1” to a new password from the WLS console.

- 3 Click the **Admin** menu and verify that all **Admin** pages (**User, System, Resources, Access, Edge Application, Line of Business, Lookup, Offer Set, Security, Portlets, and Message**) are accessible and functioning properly.

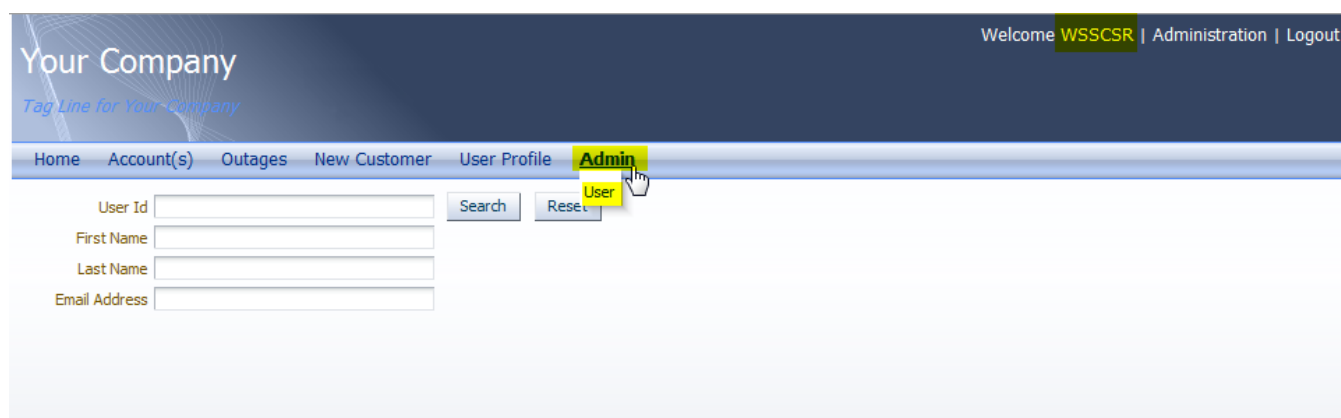


Verify OUCSS User “WSSCSR” Functionality

- 1 Connect to the OUCSS Portal application at `http://<PortalHost>:<PortalPort>/OUCSSPortal`.
- 2 Log in as WSSCSR/welcome1.

Note: For security reasons, change the default password for WSSCSR user from “welcome1” to a new password.

- 3 Click **Admin** and verify that only the **User Management** is displayed.



Chapter 3

Installing CCB-MDM Integrated Flows

This section describes the installation steps for Oracle Utilities Customer Self Service related integration flows.

Software Requirements

The Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack must be installed and running on the server.

Note: This integration does *not* require installation of the AIA Foundation Pack.

Pre-Installation Tasks

The following tasks should be completed before you install CCB-MDM integrated flows:

- Ensure that the Oracle SOA Suite is installed and running. (See the *Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack Install Guide* for the SOA Suite version number required for the integration).
- For more information on SOA, refer to the documentation at <http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html#111130>
- Log in to the WebLogic console to confirm there are no changes in **Pending Activation** status.
- Start Node Manager.
- Restart the Enterprise Manager and the WebLogic Administration server.
- Ensure the WebLogic Admin server, SOA server, and Node Manager are running.
- The Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack must already be installed and running on the server.
- Note that Oracle Utilities Customer Self Service related integration flows are installed as a patch using the Oracle OUI-based OPatch tool utility (used for applying/rolling back patches). **Product Home** referenced below is the directory where CCB2-MDM2 integration is installed.
- Before applying the patch, ensure that **Product Home** is OUI-based, as described in the next section.

Note: The syntax for **Product Home** depends on whether you are installing on Linux or Windows. On Linux, the variable is `$PRODUCT_HOME`. On Windows, it is `%PRODUCT_HOME%`.

Download the Patch

- 1 Download the CCB-MDM Integrated Flows patch (12731103.zip) from the Oracle Automated Release Updates site (<http://aru.us.oracle.com/>).
- 2 Extract the contents of **12731103.zip** file to a temporary location (anywhere on your disk) to create a **12731103** folder. Remove any read-only attributes to ensure that the **12731103** folder and all files within the folder structure are writeable. (On UNIX/Linux, run `chmod 755` on the **12731103** folder.)

IMPORTANT: If the **Product Home** has **oui** and **osp** directories, it means that it has already been converted to an OUI-Based Product Home. Follow below steps related to conversion only if **oui** and **osp** directories are missing from the **Product Home**.

- 3 Copy the /inventory folder from the 12731103 structure to your PRODUCT HOME directory (e.g., CCB2-MDM2).

Converting an Existing PRODUCT HOME to an OUI-Based PRODUCT HOME

In future, patches and/or enhancements to this product will be applied using OPatch. The procedures contained in this section describe how to convert PRODUCT HOME for CCB2-MDM2 integration to an OUI-based PRODUCT HOME so that the OPatch utility may be used.

- 1 Download patch 6486988 (OUI version 11.1.0.9.0) from Oracle Support (<https://support.oracle.com/CSP/ui/flash.html#tab=PatchHomePage%28page=PatchHomePage&id=gxj5psq%28%29%29>).
- 2 Unzip the patch 6486988 to a temporary location on your hard drive (shown as <UNZIPDIR> in the following steps).
- 3 If installing On UNIX/Linux: After unzipping the patch:
 - Verify that the file <UNZIPDIR>/cd/Disk1/install/runInstaller has execute permissions. If it does not, run the command:


```
$ chmod 755 <UNZIPDIR>/cd/Disk1/install/runInstaller
```
 - Verify that the file <UNZIPDIR>/cd/Disk1/install/unzip has execute permissions. If it does not, run the command:


```
$ chmod 755 <UNZIPDIR>/cd/Disk1/install/unzip
```
- 4 Run the OUI patch installer:

On UNIX/Linux navigate to the <UNZIPDIR>/cd/Disk1/install directory and run:

```
./runInstaller -invPtrLoc $SOA_HOME/oraInst.loc
```

(where \$SOA_HOME is XXX/Middleware/Oracle_SOA1).

On Windows, navigate to the <UNZIPDIR>\cd\Disk1\install directory and run:

```
setup.exe
```
- 5 The installation Welcome page appears. Click **Next** to continue.
- 6 Choose the **Custom** install type, then click **Next**.
- 7 Enter the location of the **Product Home** folder in which the OUI components are to be installed.
- 8 On the **Available Product Components** page, click the checkbox to display all components, including required dependencies, and continue to drill down to display all OUI components.
- 9 Ensure that the following OUI components are marked for installation:
 - Oracle Universal Installer
 - Installer SDK Component
- 10 Click **Next**.
- 11 On the **Summary Page**, ensure that the following additional OUI components are marked for installation:
 - Oracle Installation Products
 - Oracle Universal Installer

- Installer SDK Component
- 12 Press **Install** to start the install and to create /oui, /opatch, and /jre folders under PRODUCT HOME.
 - 13 Navigate to PRODUCT_HOME/oui/bin folder. To register PRODUCT HOME as an Oracle Home in the central inventory.
 - 14 On UNIX/Linux


```
./attachHome.sh
```
 - 15 On Windows,


```
attachHome.bat
```

Completing the Integration Installation

- 1 Set the following environment variables:

Variable	Example
Unix/Linux and Windows OS	
SOA_HOME	XXX/Middleware/Oracle_SOA1
ORACLE_HOME	XXX/Middleware/Oracle_SOA1
MW_HOME	XXX/Middleware
WL_HOME	XXX/Middleware
PRODUCT_HOME	This is CCB2-MDM2 product installation home. For Example: Unix/Linux: PRODUCT_HOME=/slot/oracle/CCB2-MDM2 Windows: PRODUCT_HOME=D:\Oracle\CCB2-MDM2

The following commands (*setWLSEnv.sh* on Linux or *setWLSEnv.bat* on Windows) set the environment variables used for executing the installation scripts.

On UNIX/Linux:

```
source "${WL_HOME}/wlserver_10.3/server/bin/setWLSEnv.sh"
```

On Windows:

```
cd %WL_HOME%\wlserver_10.3\server\bin\  
setWLSEnv.cmd
```

Notes:

- For a Windows installation, when updating any of the properties listed in the table below, add “/” to the path (e.g., C:/CCB2-MDM2).
- This patch installation uses the values in \$PRODUCT_HOME and its underlying properties file that were used to configure the OUCSS installation.

- 2 Open a command prompt and execute the following installation scripts for your OS to allow OPatch to copy the files from the patch to the appropriate directories in \$PRODUCT_HOME:
- 3 Navigate to the **12731103** directory:

On UNIX/Linux:

```
$PRODUCT_HOME/OPatch/patch apply -oh $PRODUCT_HOME  
-invPtrLoc$PRODUCT_HOME/oraInst.loc
```

Then:

```
cd $PRODUCT_HOME/bin  
ant -f 12731103.xml  
-DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml
```

On Windows:

```
%PRODUCT_HOME%\OPatch\opatch.bat apply -oh %PRODUCT_HOME%  
cd %PRODUCT_HOME%\bin  
ant -f 12731103.xml -DInstallProperties=%PRODUCT_HOME%/config/InstallProperties.xml
```

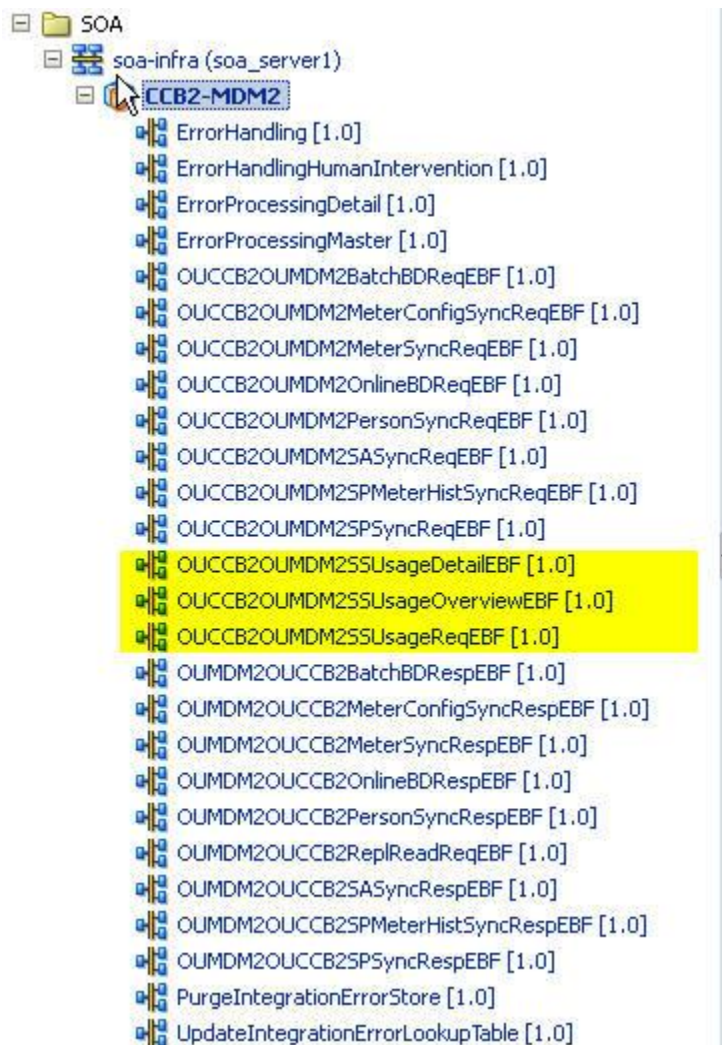
- 4 When the process completes you are prompted to enter the following values:
 - **MDM EDGE Application Server protocol:** allowed values are `http` or `https`.
 - **MDM EDGE Application Hostname :** MDM application hostname (e.g., `intser0.xxx.xxx.com`)
 - **MDM EDGE Application Port Number :** MDM application port number (e.g., `7010`)
 - **MDM EDGE Application Context URI :** `ouaf`
 - **MDM EDGE Application Username :** MDM user name
 - **MDM EDGE Application Password :** MDM password
- 5 Restart both the WebLogic Admin server and the SOA server to activate the installation processes and ensure that all artifacts are successfully installed.

Post-Installation Checklist for CCB-MDM Flows

Verifying Composites in Enterprise Manager

Verify that the CCB2-MDM2 partition was created with all the composites deployed:

- 1 Log in to Enterprise Manager.
- 2 Expand the `Farm_soa_domain>soa>soa-infra>CCB2-MDM2` partition.
- 3 Verify that following three composites are deployed:
 - `OUCCB2OUMDM2SSUsageDetailEBF`
 - `OUCCB2OUMDM2SSUsageOverviewEBF`
 - `OUCCB2OUMDM2SSUsageReqEBF`



Verify Security Credentials from EM

Follow these steps to verify security for connecting to Oracle Utilities Meter Data Management from SOA11g middleware:

- 1 Log in to the WebLogic EM console using the admin username and password.
- 2 Expand WebLogic Domain and right-click **soa_domain** > **Security** > **Credentials**.
- 3 Expand the **oracle.wsm.security** credential and verify that **OU_MDM2_01** was created.

Uninstalling CCB-MDM Integrated Flows

If the deployed composite involves changes made to MDS artifacts, you must first undeploy the composite. Rolling back the patch undeploys the three composites deployed as part of this patch and deletes the implemented security credentials.

To uninstall an existing composite, open a command prompt and execute the following:

On UNIX/Linux:

```
cd $PRODUCT_HOME/bin
ant -f 12731103.xml uninstallWSSIntegration -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml
$PRODUCT_HOME/OPatch/patch rollback -id 12731103 $PRODUCT_HOME -invPtrLoc
$PRODUCT_HOME/oraInst.loc
```

On Windows:

```
cd %PRODUCT_HOME%\bin
ant -f 12731103.xml uninstallWSSIntegration -
DInstallProperties=%PRODUCT_HOME%/config/InstallProperties.xml
%PRODUCT_HOME%\OPatch\opatch.bat rollback -id 12731103 -oh %PRODUCT_HOME%
```

Chapter 4

Installing CSS BPEL Flows

This section describes the installation steps for CSS BPEL flows where Utilities Customer Self Service (CSS) calls Oracle Utilities Meter Data Management (MDM), Oracle Utilities Network Management System (NMS) and Customer Care and Billing (CC&B) to process or retrieve information.

Note: This integration does *not* require installation of the AIA Foundation Pack.

Software Requirements

The following software must be installed, configured and running prior to installation of CSS direct BPEL flows:

- SOA11g / Oracle Enterprise Manager 11.1.15.0 on WebLogic Server 10.3.6.
- Oracle Utilities Meter Data Management release 2.0.1 installed on an Oracle database with Service Pack 7 (patch 13920265).
- Oracle Utilities Network Management System – Application version v1.11.1 Service Pack 2 installed on an Oracle database.
- Oracle Utilities Customer Care and Billing release 2.3.1 installed on an Oracle database with patch 13652578 (included in Service Pack 5).
- Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management Release 3.1.1 Media Pack.
- Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Network Management System Release 3.1.1 Media Pack.

Pre-Installation Tasks

The following tasks should be completed before you install the CSS BPEL flows:

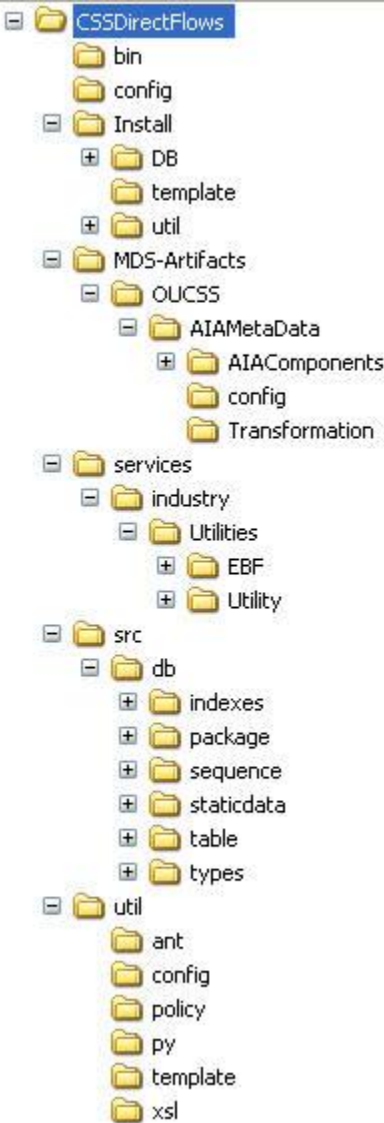
- Ensure that the Oracle SOA Suite is installed and running. (Software Version: SOA11g / Oracle Enterprise Manager 11.1.1.6.0 on WebLogic Server 10.3.6).
- For more information on SOA, refer to the documentation at <http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html#111130>
- Log in to the WebLogic console to confirm there are no changes in **Pending Activation** status.
- If it's not already running, start the Node Manager.
- Restart the Enterprise Manager and the WebLogic Administration server.

- Ensure the WebLogic Admin server, SOA server, and Node Manager are running.
- Create the new **Product Home** folder (e.g., OUCSS).

Note: The syntax for **Product Home** depends on whether you are installing on Linux or Windows. On Linux, the variable is \$PRODUCT_HOME. On Windows, it is %PRODUCT_HOME%.

Installing the Integration

- 1 Download CSSDirectFlows.zip from the Oracle Software Delivery Cloud (edelivery.oracle.com) and extract the zip file to create a CSSDirectFlows folder. This folder includes a subfolder hierarchy as shown in the following image. If the folder is read-only, remove the read-only attribute from the folder.



- 2 Set the following environment variables:

Variable	Example
Unix/Linux and Windows OS	
SOA_HOME	XXX/Middleware/Oracle_SOA1
ORACLE_HOME	XXX/Middleware/Oracle_SOA1

MW_HOME	XXX/Middleware
WL_HOME	XXX/Middleware
PRODUCT_HOME	This is the integrated flows product installation home. Example: Unix/Linux: PRODUCT_HOME=/slot/oracle/CSSDirectFlows Windows: PRODUCT_HOME=D:\Oracle\CSSDirectFlows

The following commands (*setWLSEnv.sh* on Linux or *setWLSEnv.bat* on Windows) set the environment variables used for executing the installation scripts.

On UNIX/Linux:

```
source "${WL_HOME}/wlserver_10.3/server/bin/setWLSEnv.sh"
```

On Windows:

```
cd %WL_HOME%\wlserver_10.3\server\bin\  
setWLSEnv.cmd
```

Notes:

- Do not delete the install directory. This directory is used as the download location for patches.
- For a Windows installation, when updating any of the properties listed in the table below, add “/” to the path (e.g., C:/CSSDirectFlows).
- This installation uses the values in \$PRODUCT_HOME and its underlying properties file that were used to configure the integrated flow installation.

- 3 Open a command prompt and go to the <unzipdir>\CSSDirectFlows folder which is referred as PRODUCT_HOME. Example: PRODUCT_HOME=/slot/oracle/ CSSDirectFlows where you unzipped CSSDirectFlows.zip
- 4 Execute the following command to go to the PRODUCT_HOME:

On UNIX/Linux:

```
cd $PRODUCT_HOME/bin
```

On Windows:

```
cd %PRODUCT_HOME%\bin
```

- 5 Update the <PRODUCT_HOME>/config/CSS2InstallProperties.xml file with values appropriate to your environment.
- 6 (See [Appendix F](#) for a sample CSS2InstallProperties.xml file and an explanation of the properties and elements available in the file.)

Notes:

- In CSS2InstallProperties.xml, the hostname, portnumber, protocol, context entries in the “EdgeApplication/OUMDM/ManagedServer” node are used to build the MDM edge application end point URL in the ConfigurationProperties.xml file during install.
- In CSS2InstallProperties.xml, the hostname, portnumber, protocol, and context entries in the EdgeApplication/OUCCBManagedServer node are used to build the CCB edge application end point URL in the ConfigurationProperties.xml file during install.

- 7 Execute the following command to complete the BPEL Flows integration installation

On UNIX/Linux:

```
cd $PRODUCT_HOME/bin  
ant -f css201flowsinstall.xml -  
DInstallProperties=$PRODUCT_HOME/config/CSS2InstallProperties.xml -l <name of install  
log>  
Example: ant -f css201flowsinstall.xml -  
DInstallProperties=$PRODUCT_HOME/config/CSS2InstallProperties.xml -l  
installflowsunixapr17.log
```

On Windows:

```
cd %PRODUCT_HOME%/bin

ant -f css201flowsinstall.xml -
DInstallProperties=%PRODUCT_HOME%/config/CSS2InstallProperties.xml -l <name of install
log>

Example: ant -f css201flowsinstall.xml -
DInstallProperties=%PRODUCT_HOME%/config/CSS2InstallProperties.xml -l
installflowswinapr17.log
```

Note: After running above command, verify that installation log does not contain any errors and the build is successful. If there are any errors in install.log, fix the errors before running the install again.

Post-Installation Checklist

Data Source Configurations Check list

1 Ensure that the following data sources are created on the server:

- **OUCSSEHDS** - Error Handling Data Source
- **CSSNMSMultiDS** – NMS Multi Data Source
- **CSSNMDataSource1** – NMS Generic Data Source

Navigation: On left pane, select the **Services** → **Data Sources**; check the data sources marked below are installed.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: soa_dom

Home > Summary of JDBC Data Sources

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table

Data Sources (Filtered - More Columns Exist)

New Delete Showing 1 to 11 of 11 Previous | Next

☐	Name	Type	JNDI Name	Targets
☐	CCB2-MDM2EHDS	Generic	jdbc/CCB2-MDM2EHDS	soa_server1
☐	CSSNMDataSource1	Generic	jdbc/CSSNMDataSource1	soa_server1
☐	CSSNMSMultiDS	Multi	jdbc/CSSNMSMultiDS	soa_server1
☐	EDNDataSource	Generic	jdbc/EDNDataSource	AdminServer, soa_server1
☐	EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	AdminServer, soa_server1
☐	mds-owsm	Generic	jdbc/mds/owsm	AdminServer, soa_server1
☐	mds-soa	Generic	jdbc/mds/MDS_LocalTxDataSource	AdminServer, soa_server1
☐	OraSDPMDDataSource	Generic	jdbc/OraSDPMDDataSource	AdminServer, soa_server1
☐	OUCSSEHDS	Generic	jdbc/OUCSSEHDS	soa_server1
☐	SOADDataSource	Generic	jdbc/SOADDataSource	AdminServer, soa_server1
☐	SOALocalTxDataSource	Generic	jdbc/SOALocalTxDataSource	AdminServer, soa_server1

2 Check that the Connection Pool settings for the Generic Data Source(s) and Error Handling Data Source are correctly pointing to their corresponding database.

Navigation: On the Left Pane, select **Services > Data Sources** and in the main page select the **Connection Pool** tab check the URL and properties text area for the credentials

A. NMS Generic Data Source CSSNMSDataSource1 must point to the NMS Database.

The screenshot shows the Oracle WebLogic Server Administration Console. The left pane displays the Domain Structure with 'soa_domain' expanded. The main pane shows the 'Settings for CSSNMSDataSource1' with the 'Configuration' tab selected. The 'Connection Pool' sub-tab is active. The following fields are highlighted with red boxes:

- URL:** jdbc:oracle:thin:@msp-db02.us.oracle.com:1521:NMS11G
- Driver Class Name:** oracle.jdbc.xa.client.OracleXADataSource
- Properties:** user=nms2_map28059, DatabaseName=NMS11GR2DB02
- Password:** (masked with dots)
- Confirm Password:** (masked with dots)

B. Verify that the Error Handling Data Source is pointing to the correct Error Handling Database.

3 Test the database for correct configurations.

Navigation: On the Left Pane, select the **Services → Data Sources** and in the main page select the **Monitoring** tab. Select the sub task **Testing** and test the connectivity for the NMS Generic Data Source and Error Handling Data Source.

The screenshot shows the Oracle WebLogic Server Administration Console. The left pane displays the Domain Structure with 'soa_domain' expanded. The main pane shows the 'Settings for CSSNMSDataSource1' with the 'Monitoring' tab selected. The 'Testing' sub-tab is active. The following table is displayed:

Server	State
soa_server1	Running

The 'Test Data Source' button is highlighted with a red box.

4 Check the NMS Generic Data Source(s) is linked to the NMS Multi Data Source(s).

ORACLE WebLogic Server® Administration Console

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
soa_domain
├─ Environment
├─ Deployments
└─ Services
 ├─ Messaging
 ├─ Data Sources
 ├─ Persistent Stores
 ├─ Foreign JNDI Providers
 ├─ Work Contexts
 ├─ XML Registries
 ├─ XML Entity Caches
 ├─ JCOM
 ├─ Mail Sessions
 └─ File T3

How do I...
System Status
Health of Running Servers

Home Log Out Preferences Record Help

Home > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources

Settings for CSSNMSMultiDS

Configuration Targets Notes

General Data Sources

Save

Use this page to select the JDBC data sources that you would like to include as part of this JDBC multi data source.

Data Sources:
Available:
☐ EDNDataSource
☐ SOADDataSource

Chosen:
☒ CSSNMSDataSource1

Save

Database Outbound Connection Pool

- 1 Ensure that following two connection instances are created on the server:
 - eis/DB/OUCSSEHDSErrrorHandling: ErrorHandling connection instance.
 - eis/DB/CSSNMS: NMS connection instance.
- 2 On the Left Pane, select the **Deployments**, click on the **DBAdapter**, select the **Configuration** tab and select the **Outbound Connection Pools** tab.
- 3 Expand **javax.resource.cci.ConnectionFactory**.

ORACLE WebLogic Server® Administration Console

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
soa_domain
├─ Environment
├─ Deployments
└─ Services
 ├─ Messaging
 ├─ Data Sources
 ├─ Persistent Stores
 ├─ Foreign JNDI Providers
 ├─ Work Contexts
 ├─ XML Registries
 ├─ XML Entity Caches
 ├─ JCOM
 ├─ Mail Sessions
 └─ File T3

How do I...
System Status
Health of Running Servers

Home Log Out Preferences Record Help

Home > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources > Summary of Deployments > DbAdapter

Settings for DbAdapter

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

General Properties Outbound Connection Pools Admin Objects Workload Instrumentation

This page displays a table of Outbound Connection Pool groups and instances for this resource adapter. The top level entries in the table represent Outbound Connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not displayed in the table below.

Outbound Connection Pool Configuration Table

New Delete

☐	Groups and Instances	Connection Factory Interface
☐	javax.resource.cci.ConnectionFactory	javax.resource.cci.ConnectionFactory
☐	eis/DB/CSSNMS	javax.resource.cci.ConnectionFactory
☐	eis/DB/OUCSSEHDSErrrorHandling	javax.resource.cci.ConnectionFactory
☐	eis/DB/SOADemo	javax.resource.cci.ConnectionFactory

New Delete

- 4 Select the `eis/DB/CSSNMS` connection factory and make sure the `xaDataSourceName` is pointed to the NMS Multi Data Source JNDI name.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Web

Home > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources > Summary of JDBC Data Sources > Summary of Deployments > DbAdapter

Settings for javax.resource.cci.ConnectionFactory

General Properties Transaction Authentication Connection Pool Logging

This page allows you to view and modify the configuration properties of this outbound connection pool. Properties you modify here are saved to a deployment plan.

Outbound Connection Properties

Save

Property Name	Property Type	Property Value
dataSourceName	java.lang.String	
defaultNChar	java.lang.Boolean	false
platformClassName	java.lang.String	org.eclipse.persistence.platform.database.Oracle10Platform
sequencePreallocationSize	java.lang.Integer	1
usesBatchWriting	java.lang.Boolean	true
usesNativeSequencing	java.lang.Boolean	true
usesSkipLocking	java.lang.Boolean	true
xADataSourceName	java.lang.String	jdbc/CSSNMSMultiDS

Save

NMS Multi Data Source JNDI name is found on **Services > Data Sources** and in the **General** tab.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: soa_domain

Home > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources > Summary of Deployments > DbAdapter > Summary of Deployments > DbAdapter > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of JDBC Data Sources

Settings for CSSNMSMultiDS

Configuration Targets Notes

General Data Sources

Save

Use this page to define the general configuration for this JDBC multi data source. A JDBC multi data source is an abstraction around a group of data sources that provides load balancing and failover between data sources.

* Indicates required fields

Name: CSSNMSMultiDS A unique name that identifies this multi data source in the WebLogic domain. More Info...

*** JNDI Name:** jdbc/CSSNMSMultiDS The JNDI path to where this multi data source is bound. More Info...

Algorithm Type: Load-Balancing The algorithm determines the connection request processing for the multi data source. More Info...

- 5 Select the `eis/DB/ OUCSSEHDSErrorHandling` connection factory and make sure **dataSourceName** is pointed to the Error Handling JNDI name.

The screenshot shows the Oracle WebLogic Server Administration Console. The breadcrumb trail is: Home > Summary of JDBC Data Sources > Summary of Deployments > DbAdapter > Summary of Deployments > DbAdapter > Summary of JDBC Data Sources > CSSNMSDataSource1 Sources > Summary of Deployments > DbAdapter. The page title is "Settings for javax.resource.cci.ConnectionFactory". The "Properties" tab is selected. The "Outbound Connection Properties" table is displayed with the following data:

Property Name	Property Type	Property Value
dataSourceName	java.lang.String	jdbc/OUCSSEHDS
defaultNChar	java.lang.Boolean	false
platformClassName	java.lang.String	org.eclipse.persistence.platform.database.Oracle10Platform
sequencePreallocationSize	java.lang.Integer	1
usesBatchWriting	java.lang.Boolean	true
usesNativeSequencing	java.lang.Boolean	true
usesSkipLocking	java.lang.Boolean	true
xADataSourceName	java.lang.String	

Error Handling Data Source JNDI name is found on **Services > Data Sources** and in the **General** tab.

The screenshot shows the Oracle WebLogic Server Administration Console. The breadcrumb trail is: Home > Summary of JDBC Data Sources > CSSNMSDataSource1 > Summary of Deployments > DbAdapter > Summary of JDBC Data Sources > OUCSSEHDS. The page title is "Settings for OUCSSEHDS". The "General" tab is selected. The "JNDI Name" field is highlighted with a red box and contains the value "jdbc/OUCSSEHDS".

Verify BPEL Wrapper Procedure for Submit Call Created in NMS Database

- 1 Ensure **BPEL_OUNMSSUBMITCALLSTOREDPROC** package is created under the Package folder in NMS Database.

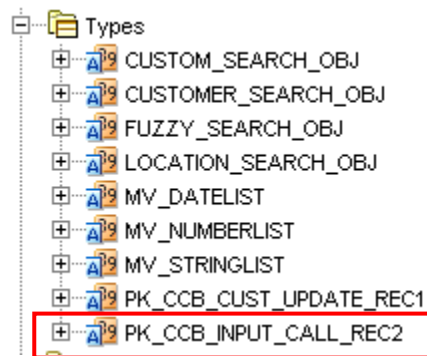
The screenshot shows the Packages folder in the NMS Database. The package **BPEL_OUNMSSUBMITCALLSTOREDPROC** is highlighted with a red box. Its body is defined as follows:

```

BPEL_OUNMSSUBMITCALLSTOREDPROC Body
  PL_TO_SQL0(PK_CCB.INPUT_CALL_REC): PK_CCB.INPUT_CALL_REC2
  SQL_TO_PL0(PK_CCB.INPUT_CALL_REC2): PK_CCB.INPUT_CALL_REC
  pk_ccb$submit_call(PK_CCB.INPUT_CALL_REC2, NUMBER, VARCHAR2)
  
```

Note: This BPEL Wrapper Procedure is used by the DB adapter in OUCSSOUNMSTroubleCallInterfaceEBF when submitting an outage or trouble call to NMS.

- 2 Ensure **PK_CCB_INPUT_CALL_REC2** object is created under the Types folder in NMS Database.

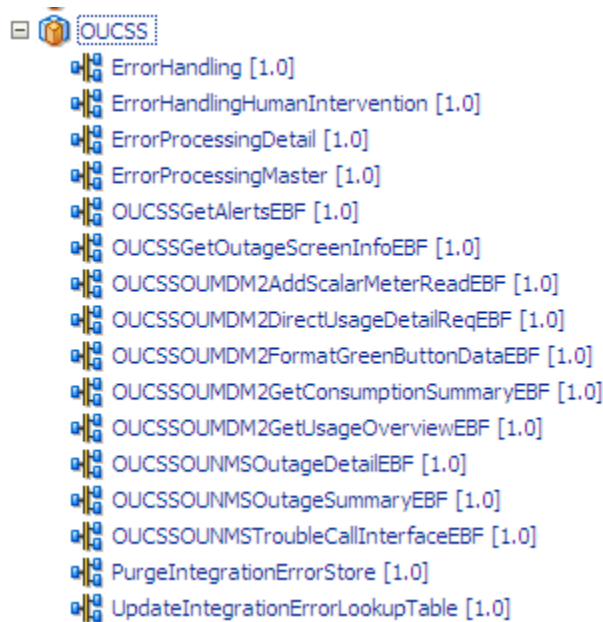


Note: This type is being used by the BPEL Wrapper Procedure.

Verifying Composites in Enterprise Manager

Verify that the OUCSS partition was created with all the composites deployed:

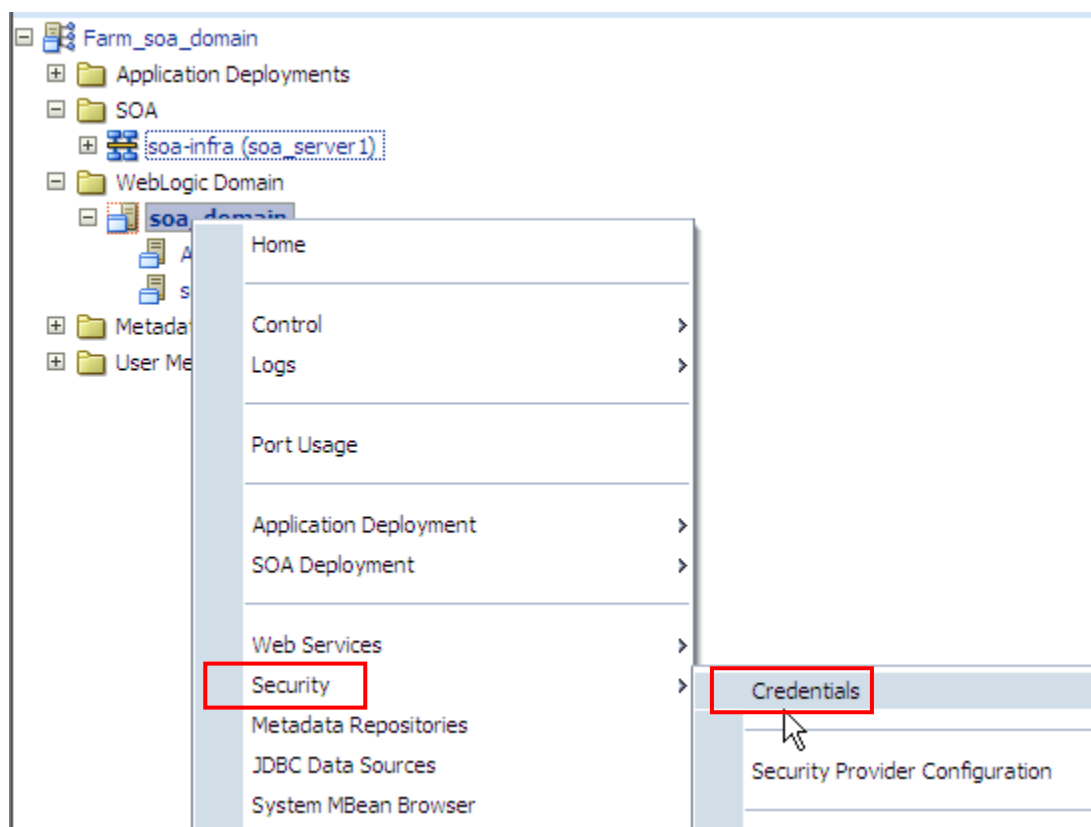
- 1 Log in to Enterprise Manager.
- 2 Expand the Farm_soa_domain>soa>soa-infra>OUCSS partition.
- 3 Verify that these composites are deployed:



Verify Security Credentials from EM

Follow these steps to verify security for connecting to Oracle Utilities Meter Data Management (MDM) and Oracle Utilities Customer Care and Billing (CCB) from SOA11g middleware:

- 1 Log in to the Enterprise Manager.
- 2 Expand WebLogic Domain and right-click **soa_domain** > **Security** > **Credentials**.



- 3 Expand the **oracle.wsm.security** credential and verify that the keys **OU_CCB_01** and **OU_MDM2_02** were created.

Credentials

A credential store is the repository of security data that certify the authority of entities used by Java 2, J2EE, and ADF applications. Applications can use the Credential Store, a single, consolidated service provider to store and manage their credentials securely.

Credential Store Provider

Scope WebLogic Domain
 Provider SSP
 Location ./

+ Create Map + Create Key Edit... Delete...			Credential Key Name	<input type="text"/>	▶
Credential	Type	Description			
⊕ BPM-CRYPTO					
⊖ oracle.wsm.security					
🔑 OU_CCB_01	Password	CCB Edge Application WS Credentials			
🔑 OU_MDM2_02	Password	MDM Edge Application WS Credentials			

Verify Attached Policies from EM

Follow these steps to verify the policies attached to the web services that each BPEL process is using:

- 1 Log in to Enterprise Manager.
- 2 Expand the **SOA > OUCSS** partition.
- 3 Choose **OUCSSGetAlertsEBF**, then scroll down to the **Services and References** section.

Services and References		
Name	Type	Usage
 WXGetCCBAAlertsService	Web Service	Service
 OUNMSCheckCurrentOutageService	JCA Adapter	Reference
 OUCCBGetAlertsService	Web Service	Reference
 OUNMSCheckPlannedOutageService	JCA Adapter	Reference
 OUCSSGetAlertsExtension	Web Service	Reference

- Verify that the **WXGetCCBAAlertsService** Web Service Type with Service Usage is linked to a service policy:
Click on the service and select the **Policies** tab:

Dashboard

Policies

Faults and Rejected Messages

Properties

Globally Attached Policies

Policy Name	Policy Set	Category	Total Violations	Security Violations		
				Authentication	Authorization	Confidentiality
No rows yet						

Directly Attached Policies

Attach/Detach

Policy Name	Category	P... R... S...	Total Violations	Security Violations		
				Authentication	Authorization	Confidentiality
oracle/Utilities_wss_http_token_service_policy_OPT_ON	Security	...	0	0	0	0

- Verify that the **OUCCBGetAlertsService** Web Service Type with Reference Usage is calling a CCB Web Service and is linked to a client policy. The client policy attached to that Web Service should use the **OU_CCB_01** csf-key:

Directly Attached Policies

	Attach/Detach		Disable
Name			
oracle/wss_http_token_client_policy			

Security Configuration Details

Name	Current Value	Original Value
csf-key	OU_CCB_01	basic.credentials

- Choose **OUCSSGetOutageScreenInfoEBF**, then scroll down to the **Services and References** section.

Services and References		
Name	Type	Usage
 oucsggetoutagescreeninfo_client_ep	Web Service	Service
 OUCCBGetServiceDetails	Web Service	Reference
 OUCSSGetOutageScreenInfoExtension	Web Service	Reference
 OUNMSGetTroubleCodes	JCA Adapter	Reference

- Verify that the **oucsggetoutagescreeninfo_client_ep** Web Service Type with Service Usage is linked to a service policy.

- Verify that the **OUCCBGetServiceDetails** Web Service Type with Reference Usage is calling a CCB Web service and is linked to a client policy. The client policy attached to that web service should use the **OU_CCB_01** csf-key.

5 Choose **OUCSSOUNMSOutageSummaryEBF**, then scroll down to the **Services and References** section:

Services and References

Name	Type	Usage
 OUCSSOUNMSOutageSummary_ep	Web Service	Service
 OUNMSOutageSummaryService	JCA Adapter	Reference
 OUCSSOUNMSOutageSummaryExtensionService	Web Service	Reference

- Verify that the **OUCSSOUNMSOutageSummary_ep** Web Service Type with Service Usage is linked to a service policy.

6 Choose **OUCSSOUNMSOutageDetailEBF**, then scroll down to the **Services and References** section:

Services and References

Name	Type	Usage
 OUCSSOUNMSOutageDetail_ep	Web Service	Service
 OUCSSOUNMSOutageDetailExtensionService	Web Service	Reference
 OUCCBGetServiceDetails	Web Service	Reference
 OUNMSJobHistStPrCurrentOutageDetailService	JCA Adapter	Reference
 OUNMSGetPlannedOutageDetailService	JCA Adapter	Reference

- Verify that the **OUCSSOUNMSOutageDetail_ep** Web Service Type with Service Usage is linked to a service policy.
- Verify that the **OUCCBGetServiceDetails** Web Service Type with Reference Usage is calling a CCB Web service and is linked to a client policy. The client policy attached to that Web Service should use the **OU_CCB_01** csf-key.

7 Choose **OUCSSOUNMSTroubleCallInterfaceEBF**, and then scroll down to the **Services and References** section.

Services and References

Name	Type	Usage
 oucssounmstroublecallinterfaceebf_client_ep	Web Service	Service
 OUNMSSubmitCallStoredProcedure	JCA Adapter	Reference
 OUCSSOUNMSTroubleCallInterfaceExtension	Web Service	Reference
 ErrorHandling	Web Service	Reference

- Verify that the **oucssounmstrobulecallinterfaceebf_client_ep** Web Service Type with Service Usage is linked to a service policy.
- Verify that the **ErrorHandling** Web Service Type with Service Reference is not linked to any policy.

8 Choose **OUCSSOUMDM2DirectUsageDetailReqEBF**, then scroll down to the **Services and References** section.

Services and References

Name	Type	Usage	F
 WXUsageDetailService	Web Service	Service	
 OUCSSOUMDM2DirectUsageDetailReqExtension	Web Service	Reference	
 OUMDMUsageDetailService	Web Service	Reference	

- Verify that the **WXUsageDetailService** Web Service Type with Service Usage is linked to a service policy.
- Verify that the **OUMDMUsageDetailService** Web Service Type with Reference Usage is calling an MDM Web Service and is linked to a client policy. The client policy attached to that web service should use the **OU_MDM_02** csf-key:

Directly Attached Policies

Attach/Detach Disable

Name
oracle/wss http token client policy

Security Configuration Details

Name	Current Value	Original Value
csf-key	OU_MDM2_02	basic.credentials

- 9 Choose **OUCSSOUMDM2GetConsumptionSummaryEBF**, then scroll down to the **Services and References** section

Services and References			
Name	Type	Usage	
OUCSSOUMDM2GetConsumptionSummary_client_ep	Web Service	Service	
OUCSSOUMDM2GetConsumptionSummaryExtensionService	Web Service	Reference	
OUMDM2WXGetScalarConsumptionSummaryService	Web Service	Reference	

- Verify that the **OUCSSOUMDM2GetConsumptionSummary_client_ep** Web Service Type with Service Usage is linked to a service policy.
- Verify that the **OUMDM2WXGetScalarConsumptionSummaryService** Web Service Type with Reference Usage is calling an MDM Web service and is linked to a client policy. The client policy attached to that web service should use the **OU_MDM_02** csf-key:

- 10 Choose **OUCSSOUMDM2AddScalarMeterReadEBF**, then scroll down to the **Services and References** section.

Services and References			
Name	Type	Usage	
OUCSSOUMDM2AddScalarMeterRead_client_ep	Web Service	Service	
OUMDMWX-CreateSelfServiceMeterReadService	Web Service	Reference	
OUCSSOUMDM2AddScalarMeterReadExtensionService	Web Service	Reference	

- Verify that the **OUCSSOUMDM2AddScalarMeterRead_client_ep** Web Service Type with Service Usage is linked to a service policy:
- Verify that the **OUMDMWX-CreateSelfServiceMeterReadService** Web Service Type with Reference Usage is calling an MDM Web Service and is linked to a client policy. The client policy attached to that web service should use the **OU_MDM_02** csf-key:

- 11 Choose **OUCSSOUMDM2GetUsageOverviewEBF**, then scroll down to the **Services and References** section.

Services and References			
Name	Type	Usage	
OUCSSOUMDM2GetUsageOverview_client_ep	Web Service	Service	
OUCSSOUMDM2FormatGreenButtonDataService	Web Service	Reference	
OUCCBWXUsageOverviewService	Web Service	Reference	

- Verify that the **OUCSSOUMDM2GetUsageOverview_client_ep** Web Service Type with Service Usage is linked to a service policy.
- Verify that the **OUCCBWXUsageOverviewService** Web Service Type with Reference Usage is calling a CCB Web service and is linked to a client policy. The client policy attached to that web service should use the **OU_CCB_01** csf-key:

Updating the MDS Folder

- To update the MDS folder, open a Command prompt and execute the following command:

On Linux/UNIX:

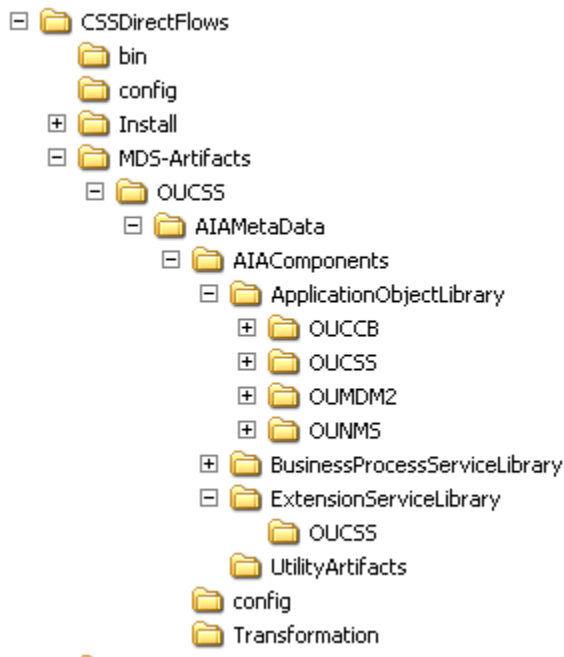
```
cd $PRODUCT_HOME\bin
ant -f updatemds.xml -DInstallProperties=$PRODUCT_HOME/config/CSS2InstallProperties.xml
-l updatemds.log
```

On Windows:

```
cd %PRODUCT_HOME%\bin
ant -f updatemds.xml -DInstallProperties=%PRODUCT_HOME%/config/CSS2InstallProperties.xml
-l updatemds.log
```

MDS Deployment Examples

The Product Home folder (e.g., CSSDirectFlows) contains an MDS-Artifacts subfolder with all files that can be deployed to MDS:



Custom Schema Changes

If custom elements are added to the application object schema (e.g., the MDM schema), the ApplicationObjectLibrary folder must be updated in MDS.

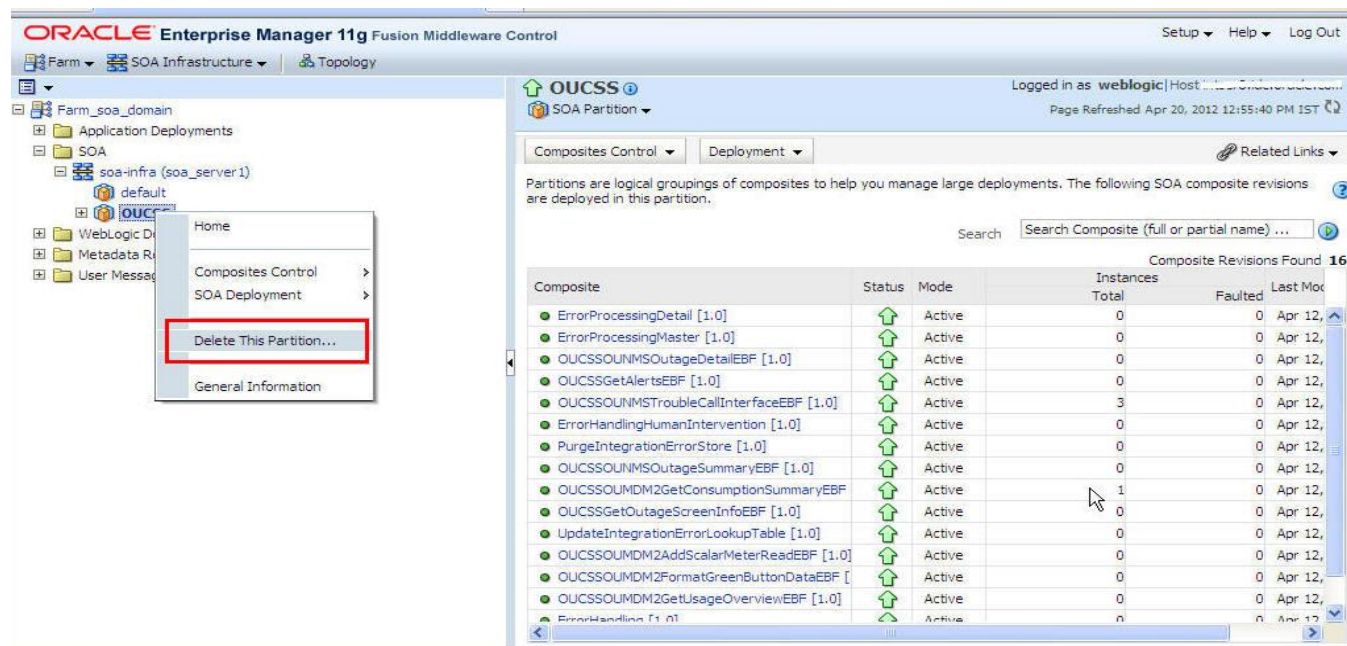
Concrete WSDL Changes for Extensions

If the extension service needs to be called by a process and the concrete WSDL is updated, the ExtensionServiceLibrary folder must be updated in MDS.

Uninstalling Direct Integrated Flows

To uninstall direct integrated flows:

- 1 Login to the Enterprise Manager console (as weblogicadmin user) on which integration flows are installed
- 2 Right-click **OUCSS Partition Now** and select **Delete This Partition**, as shown in the following image:



- 3 This action undeploys all composites in the OUCSS partition. Before undeploying a confirmation dialog appears. To undeploy, click **Delete(undeploy all Composites)**.
- 4 After deleting the OUCSS partition, verify that it is no longer visible by checking the partition list. Also verify that all 16 composites of the integrated flows are undeployed.
- 5 Login to Enterprise Manager Console (as weblogicadmin user) on which integration flows are installed.
- 6 Right-click the SOA domain **example:soa_domain** and select **Security > Credentials**.
- 7 Under **oracle.wsm.security**, select each of the following credentials, click Delete for each, and OK to confirm:
 - OU_CCB_01
 - OU_MDM2_02



- 8 Login to the WebLogic console as weblogic admin user.

- 9 Select **Datasources** under the summary of JDBC Data sources, then delete the integrated BPEL flows in the following order:
 - A. Select and delete the datasource (multidatasource) **CSSNMSMultiDS**
 - B. Select and delete the datasource **CSSNMSDataSource1**
 - C. Select and delete the datasource **OUCSSEHDS**

- 10 Navigate to your PRODUCT_HOME/bin directory and run the following command to delete outbound connections:

On Linux/UNIX:

```
ant -f deloutbound.xml -
DInstallProperties=$PRODUCT_HOME/config/CSS2InstallProperties.xml -l <name of the log
file>
```

On Windows:

```
ant -f deloutbound.xml -
DInstallProperties=%PRODUCT_HOME%/config/CSS2InstallProperties.xml -l <name of the log
file>
```

- 11 Delete the database user that was created for error handling during installation.
- 12 Restart the soa_server.

Chapter 5

Uninstalling OUCSS Portal

The following procedure describes how to uninstall the default OUCSS Portal installation. If you used the alternative installation procedure (portlets-based), see [Uninstalling OUCSS Components as Portlets](#) later in this document for uninstallation instructions.

Note: Before running the uninstall scripts, ensure that WC_CustomPortal is up and running.

- 1 Set the PRODUCT_HOME environment variable:

On Windows:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return PRODUCT_HOME as D:\OUCSS\webcenter_WSS.

On UNIX/Linux:

```
export PRODUCT_HOME=/spl/OUCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return PRODUCT_HOME that was set, for e.g. /spl/OUCSS/webcenter_WSS.

- 2 Set the WebLogic server environment by running the *setWLSEnv.cmd* script (on Windows) or *setWLSEnv.sh* script (on Linux). The scripts are located in <MW_HOME>\wlserver_10.3\server\bin (where <MW_HOME> is the directory in which Weblogic and WebCenter Components are installed). After running the *setWLSEnv* script, verify that the **wlserver** environment is set in your **classpath** and **path** environment variables.

On UNIX/Linux:

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

On Windows:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

- 3 Use the same *InstallProperties.xml* file located in <PRODUCT_HOME>/config that was updated for installation.

Important: Do not update any values in *InstallProperties.xml* during uninstall; the file should have same configuration as it was during installation.

- 4 Execute the following command to change to PRODUCT_HOME/bin:

On UNIX/Linux:

```
cd $PRODUCT_HOME/bin
```

On Windows:

```
cd %PRODUCT_HOME%\bin
```

5 Run the following command to uninstall the following OUCSS artifacts:

- OUCSS DB user and tables that were created in the database.
- Security Credentials Map with CCB credentials.
- OUCSS Mail Session
- OUCSS Shared lib and extend.oucss.portal (11.1.1, 11.1.1.6.0), used to extend OUCSS Portal.
- OUCSSPortal(v2.0.1) Enterprise application.

On Windows:

```
ant -f UnInstallBuild.xml unInstallPortal -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l uninstall.log
```

On UNIX/Linux

```
ant -f UnInstallBuild.xml unInstallPortal -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l uninstall.log
```

After running the command check *uninstall.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

6 Run the following command to restart the Portal managed servers.

On Windows:

```
ant -f UnInstallBuild.xml RestartWSSServer -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l
restartPortalServer2.log
```

On UNIX/Linux

```
ant -f UnInstallBuild.xml RestartWSSServer -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l
restartPortalServer2.log
```

After running the command check *restartPortalServer2.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

7 To remove Users and Groups from the WebLogic Embedded LDAP by running the following command from the <PRODUCT HOME>/bin directory:

Note: This command is valid *only* for a WebLogic embedded LDAP.

On Windows:

```
ant -f UnInstallBuild.xml deleteLDIFPortalEmbeddedLDAP -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l deleteFromLDAP.log
```

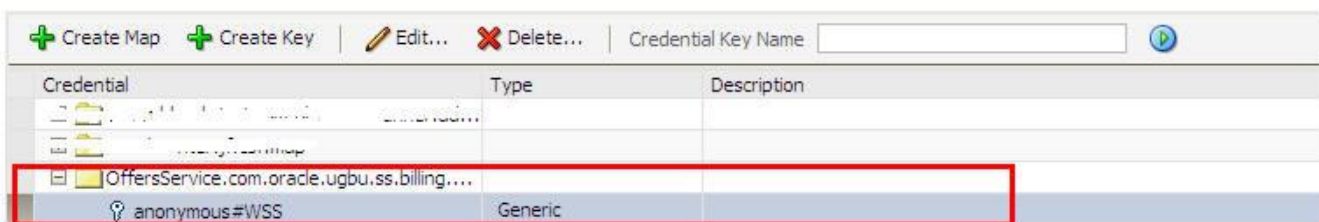
On UNIX/Linux

```
ant -f UnInstallBuild.xml deleteLDIFPortalEmbeddedLDAP -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l deleteFromLDAP.log
```

After running the command check *deleteFromLDAP.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

8 Log in to the Enterprise Manager console as weblogic admin.

9 Choose **domain > Security > credentials** and delete **anonymous#WSS** key under OffersService.com.oracle.ugbu.ss.billing.offers, as shown in the following image:



10 Verification of a successful uninstall:

- A. Log in to the WebLogic console as wlsadminuser/wlsadminpasswd.
- B. Choose **portal_domain** > **Deployments** and verify that the following are no longer listed:
 - com.oracle.ugbu.ss_2.0.1(11.1.1,11.1.1.6.0)
 - extend.oucss.portal (11.1.1,11.1.1.2.6)
 - oracle.ugbu.offers_2.0.1(enterprise application)
 - OUCSSPortal(v2.0.1) (enterprise application)
- C. Choose **Services** > **Data Sources** and verify that the **OUCSSDS** data source is no longer present.
- D. Choose **Services** > **Mail Sessions**. Verify that the **OUCSS** mail session is no longer present.
- E. Log in to the Enterprise Manager console as weblogic admin.
- F. Choose **Domain** > **Security** > **Credentials**, and verify that the **OUCSS_XAI_BASIC_KEY** and **OUCSS_INTG_BASIC_KEY** credentials are no longer present under **oracle.wsm.security..**
- G. Finally, verify that OUCSS DB User is dropped from the database.

Chapter 6

Upgrading OUCSS

Upgrading OUCSS Schema

This procedure describes the default method for upgrading OUCSS schema from previous versions.

Note: The OUCSS schema can be upgraded from previous versions and custom modifications can be preserved if guidelines from the “OUCSS Implementation Guide” are followed. If you are performing WebCenter Spaces upgrade, do not run these steps and skip to Upgrading OUCSS from 2.0.0 to 2.0.1 section.

To perform OUCSS Schema Upgrade:

- 1 Download <OUCSS-ProductInstall>.zip from the Oracle Software Delivery Cloud (edelivery.oracle.com) and unzip into a target installation directory (e.g., /spl/OUCSS-ProductInstall on Linux or D:\OUCSS-ProductInstall on Windows).
- 2 Locate *webcenter_WSS.zip* in the installation folder and unzip the contents to a *webcenter_WSS* subfolder under the installation folder.

Note: The *webcenter_WSS* folder contains your OUCSS program, configuration, and installation folders and files (/bin, /config, /Install).



- 3 Set the `PRODUCT_HOME` environment variable to point to *webcenter_WSS*:

Windows example:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return `PRODUCT_HOME` as `D:\OUCSS\webcenter_WSS`.

Linux example:

```
export PRODUCT_HOME=/spl/UCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return `PRODUCT_HOME` as `/spl/UCSS/webcenter_WSS`.

- 4 Set the WebLogic server environment by running the `setWLSEnv.cmd` script (on Windows) or `setWLSEnv.sh` script (on Linux). The scripts are located in `<WebCenter_Home>\wlserver_10.3\server\bin` (where `WebCenter_Home` is the directory in which WebCenter is installed). After running the script `setWLSEnv`, verify that **wlserver** environment is set in your **classpath** and **path** environment variables

Windows example:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

Linux example:

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

- 5 Update the `<PRODUCT_HOME>/config/InstallProperties.xml` file with values appropriate to your environment (see *Appendix D* for a sample `InstallProperties.xml` file and an explanation of the properties and elements available in the file).

IMPORTANT: For upgrading the schema, `/config/WSS2/WSS/DB/installedVersion` should be set. For example, if the currently installed version of OUCSS is 2.0.0, the parameter should be set to `<installedVersion>2.0.0</installedVersion>`.

- 6 Execute following command to change to `PRODUCT_HOME/bin`

On UNIX/Linux

```
cd $PRODUCT_HOME/bin
```

On Windows:

```
cd %PRODUCT_HOME%\bin
```

Note: Before proceeding with Steps 7-9 ensure that the OUCSS schema is not accessed (e.g., Admin, WC_Spaces, and WC_Portlet servers are not running).

- 7 Run the property validation task

On Windows:

```
ant -f InstallBuild.xml ValidateInstallProperties -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l validateProperties.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml ValidateInstallProperties -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l validateProperties.log
```

After running the command check `validateProperties.log` for any errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

- 8 Run the SQL de-tokenize task (to replace tokens in seed data with supplied properties)

On Windows:

```
ant -f InstallBuild.xml sqldetokenize -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l sqldetokenize.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml sqldetokenize -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l sqldetokenize.log
```

After running the command check `sqldetokenize.log` for any errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

- 9 Run the schema upgrade task itself

On Windows:

```
ant -f InstallBuild.xml DBTaskUpgrade -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l DBTaskUpgrade.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml DBTaskUpgrade -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l DBTaskUpgrade.log
```

After running the command check DBTaskUpgrade.log for any errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

Upgrade Custom Portal

Pre-Upgrade Steps

- 1 Take a back-up of all application specific metadata and OUCSS DB schema.
- 2 Install JDeveloper PS5 (11.1.1.6.0) and validate if the current custom portal application is running properly on PS5. Make necessary changes to successfully run the application before you start Upgrade process.
- 3 Upgrade OUCSS DB Schema to 2.0.1.

Upgrade Steps

- 1 Open Portal Application in JDeveloper PS5 (11.1.1.6.0)
- 2 Take a back up of connections.xml and Delete all OUCSS connections from connections.xml.
- 3 Open Portal Project Properties, then go to Libraries and Classpath.
Delete references to OUCSS 2.0.0 ADF Libraries from ADF Library.
- 4 In resource palette, create a File System connection to folder containing OUCSS 2.0.1 ADF Libraries.
- 5 From resource palette connection, right click on each OUCSS View Library jar and Add to Portal Project to re-create the dependency and connections.
- 6 Add required OUCSS 2.0.1 taskflows to pages in Portal application.
- 7 After adding all required OUCSS View library dependency, edit the connections.xml and update the connections to match target environment.
- 8 Open weblogic.xml in WEB-INF folder and add the library-ref to 2.0.1. Make sure the lib dependency to 2.0.0 is removed.

```
<library-ref>
  <library-name>com.oracle.ugbu.ss_2.0.1</library-name>
</library-ref>
```

Note : Delete any OUCSS 2.0.0 jars from WEB-INF lib. The above steps sets a dependency on OUCSS Shared Lib and this will not require to package OUCSS Libraries with Portal Project.

- 9 Add/Update required Portal security to new taskflows.
- 10 Deploy OUCSS_Extension.war found in <<Unzip_Folder>>/Install/application folder to target managed server as Shared Library. Make sure to set the Target to managed server where the Portal Application will be deployed.
- 11 The shared lib gets deployed with name “com.oracle.ugbu.ss_2.0.1” by default. If you decide to change the name, then change the library-ref value in step 8 with the new name.
- 12 Test and Deploy upgraded Portal Application to WebLogic 11.1.1.6.0 Managed Server.

Post-Upgrade Steps

- 1 Verify the DB schema matches the list here.
- 2 Login to EM and click on the deployed portal application.
 - A. From top menu select ADF Connections. Make sure that all the connections are created properly and updated to target CCB and/or NMS Web Services.
 - B. If NMS/Outage services are enabled, then create the OUCSS_INTG_BASIC_KEY csf-key with credential to authenticate BPEL services.

Appendix A

Installing OUCSS Components as Portlets

This section describes an alternative portlets-based approach to installing and uninstalling OUCSS for users implementing a non-WebCenter-based portal solution or for users who may want to integrate OUCSS portlets into an existing WebCenter or non-WebCenter-based portal application.

Note: The default OUCSS Portal installation approach is described in Chapter 2. For uninstallation of the default installation method, see Chapter 4.

Pre-Installation Tasks

- 1 Ensure that Oracle WebLogic 10.3.6 servers are running (AdminServer, WC_Portlet servers are up and running).
- 2 Run the RCU provided by the Oracle WebCenter installation and create a separate MDS schema in the database for the Oracle Utilities Customer Self Service application.



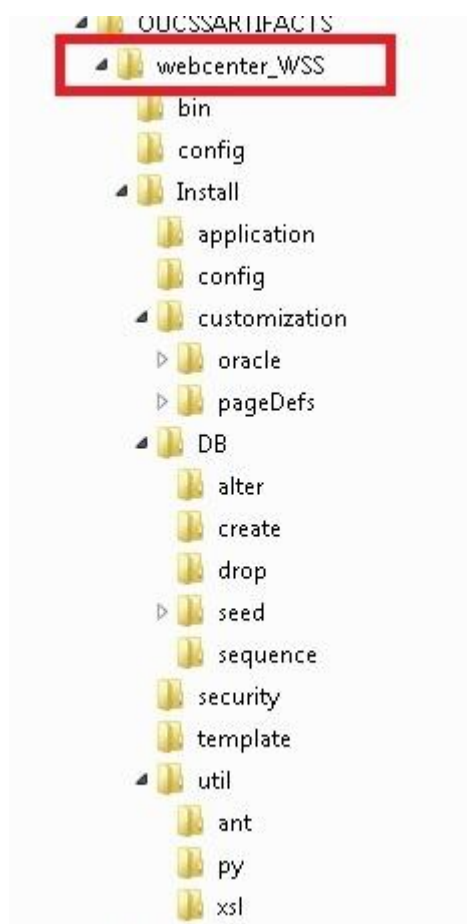
3 Deploy the Offer Service EAR (optional).

Note: If another Offer Service is used instead of the provided web service, the connection information in *InstallProperties.xml* file must be adjusted accordingly.

Deploying OUCSS Components as Portlets Into an Existing Portal Application

- 1 Download <OUCSS-ProductInstall>.zip from the Oracle Software Delivery Cloud (edelivery.oracle.com) and unzip into a target installation directory (e.g., /spl/OUCSS-ProductInstall on Linux or D:\OUCSS-ProductInstall) on Windows.
- 2 Locate *webcenter_WSS.zip* in the installation folder and unzip the contents to a *webcenter_WSS* subfolder under the installation folder.

Note: The *webcenter_WSS* folder contains your OUCSS program, configuration, and installation folders and files (/bin, /config, /Install).



- 3 Set the PRODUCT_HOME environment variable to point to webcenter_WSS:

Windows example:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return PRODUCT_HOME as D:\OUCSS\webcenter_WSS.

On Linux example:

```
export PRODUCT_HOME=/spl/OUCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return PRODUCT_HOME as /spl/OUCSS/webcenter_WSS.

- 4 Set the WebLogic server environment by running the *setWLSEnv.cmd* script (on Windows) or *setWLSEnv.sh* script (on Linux). The scripts are located in <WebCenter_Home>\wlserver_10.3\server\bin (where WebCenter_Home is the directory in which WebCenter is installed).

Windows example:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

Linux example:

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

- 5 Update the <PRODUCT_HOME>/config/InstallProperties.xml file with values appropriate to your environment (see *Appendix D* for a sample *InstallProperties.xml* file and an explanation of the properties and elements available in the file).
- 6 Navigate to %PRODUCT_HOME%\bin (on Windows) or \$PRODUCT_HOME/bin (on Linux) to change PRODUCT_HOME/bin.
- 7 Run the deployment/installation command to import default OUCSS users and groups into the WebLogic LDAP.

Note: This command is valid only if you are using a WebLogic embedded LDAP; it is not valid on other LDAPs.

On Windows:

```
ant -f InstallBuild.xml importLDIFWeblogicEmbeddedLDAP -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l importLDAP.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml importLDIFWeblogicEmbeddedLDAP -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l importLDAP.log
```

After running the command check *importLDAP.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

- 8 Verify user and group creation by logging in to the Oracle WebLogic Server console at <http://<WLSAdminHostName>:<WLSAdminServerPort>/console> as wlsadminuser/wlsadminpasswd.
 - A. Select **webcenter_domain > Security Realms > myrealm > Users and Groups**.
 - B. Verify that the users WSSAdmin and WSSCSR were created.
 - C. Verify that the groups WSSAdminGroup, WSSCSRGroup, WSEnrolledGroup, and WSSGroup were created.
- 9 Run the deployment/installation command to install OUCSS artifacts (OUCSS Schema, Data Source, CredentialMap, Mail Session and OUCSS Portlet Producer application).

On Windows:

```
ant -f InstallBuild.xml PortletInstall -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l install.log
```

On UNIX/Linux

```
ant -f InstallBuild.xml PortletInstall -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l install.log
```

After running the command check *install.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

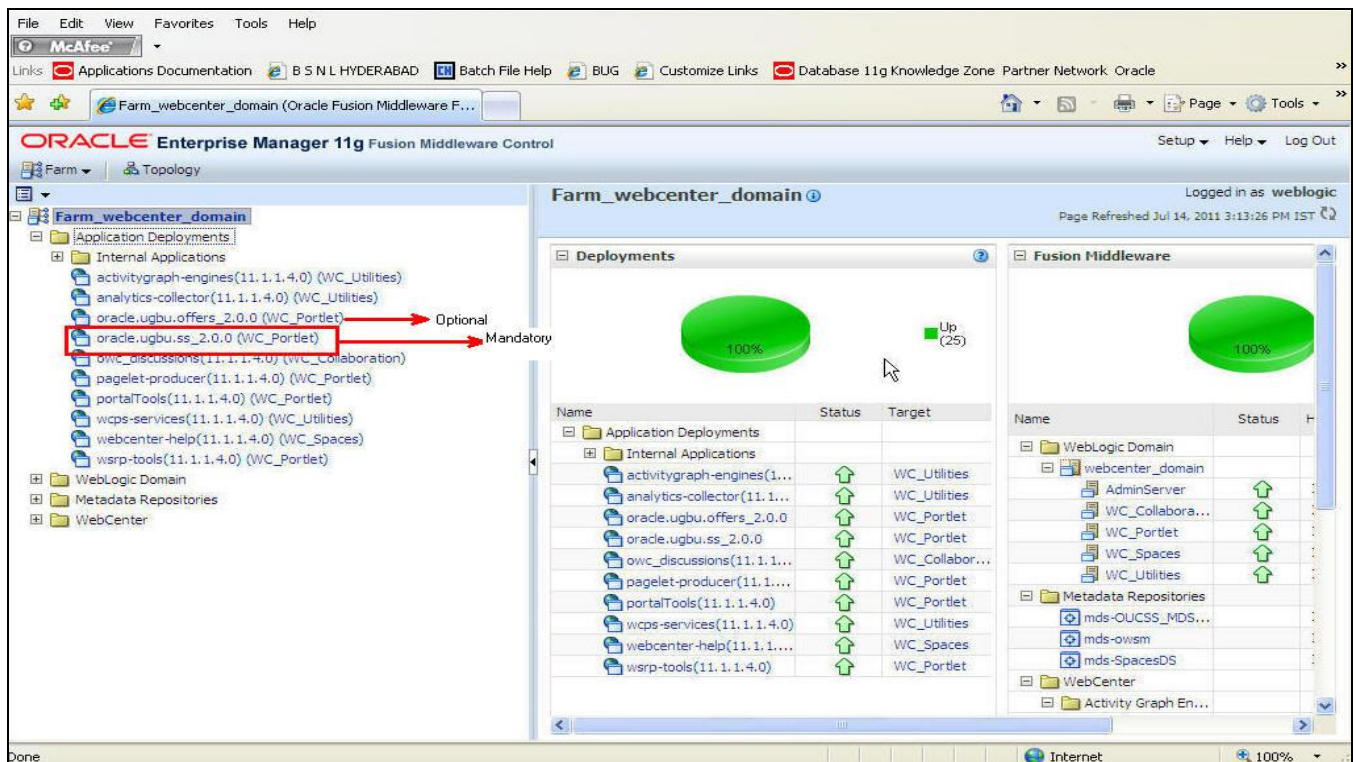
Post-Installation Steps

Post-Installation Checklist

Perform the post install checklist verification as described in the [Post-Installation Checklist](#) section of Chapter 2 of this document.

Verify OUCSS Application Deployment

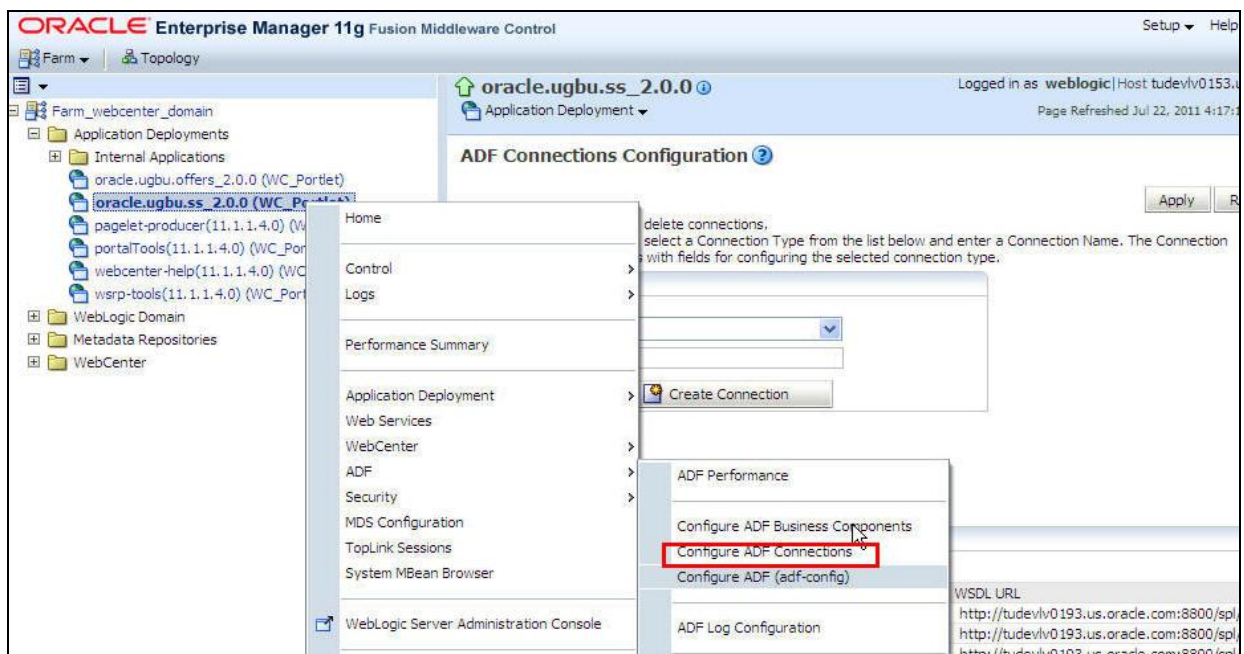
- 1 Log in into the Oracle Enterprise Manager console at <http://WLSAdminHostName:WLSAdminServerPort/em> with wlsadmin/wlspasswd.
- 2 Expand **Application Deployments** and verify the presence of OUCSS Producer application **oracle.ugbu.ss_2.0.1_portlets** (mandatory) and **oracle.ugbu.offers_2.0.1** (optional).



Verify Tokenization of the CCB Edge Application *wsdl*

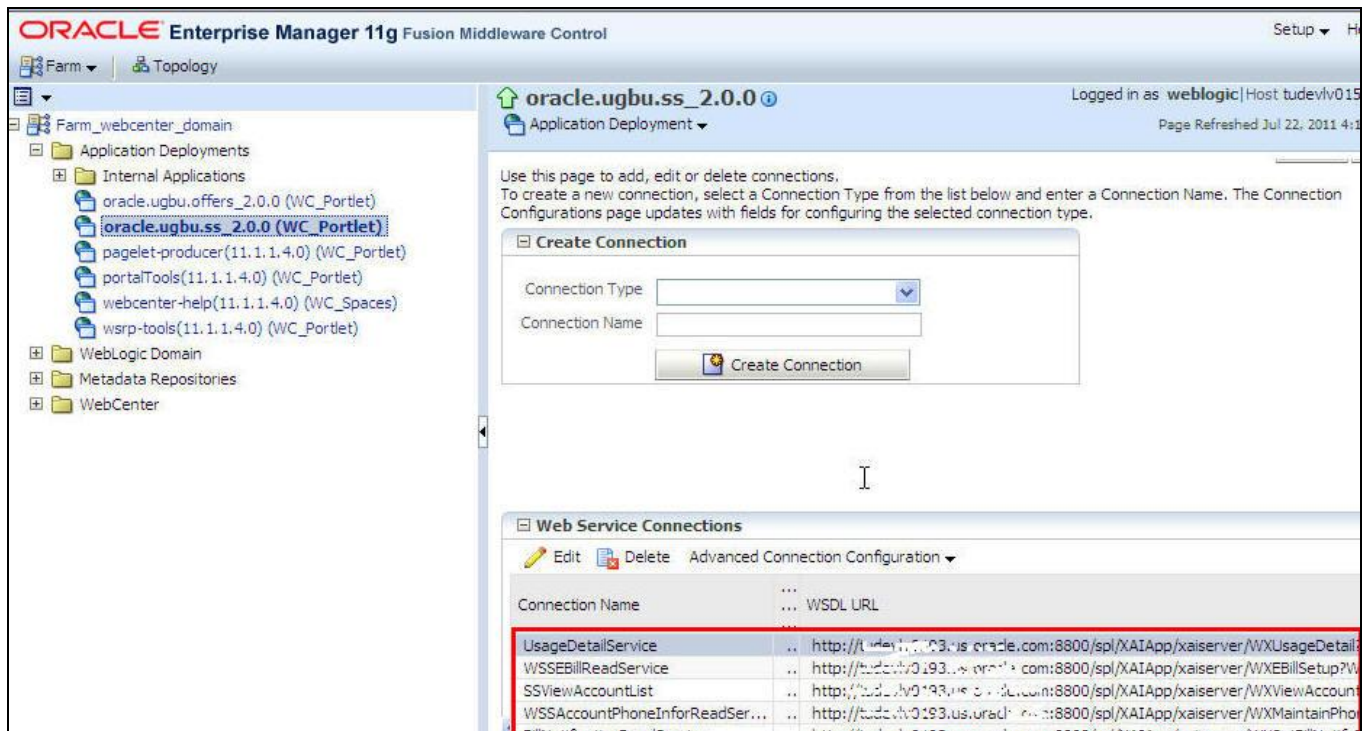
To verify that the CCB edge application *wsdl* is correctly tokenized:

- 1 Log in into the Oracle Enterprise Manager console at <http://WLSAdminHostName:WLSAdminServerPort/em> with `wlsadminuser/wlsadminpasswd`.
- 2 Click **Application Deployments**, select **oracle.ugbu.ss_2.0.1_portlets** then right-click and select **ADF > Configure ADF Connections** from the context menu.



- 3 Under **webserver connections**, each connection name should show a corresponding CCB WSDL URL.

- 4 Click on any connection name (e.g., **UsageDetailService**), click **Edit**, select **WSDL URL**, and open the connection in your browser. If the WSDL URL is correctly formed (e.g., `http://ccbhostname:ccbportno/spl/XAIApp/xaiserver/WXUsageDetail?`) and WSDL opens, then tokenization has been completed correctly.
- 5 Repeat this verification procedure for all remaining connections.



Uninstalling OUCSS Components as Portlets

Important: This procedure is required only if you performed a portlets-based OUCSS deployment as described in this Appendix. If you chose to install default OUCSS Portal described in Chapter 2, see Chapter 4 for uninstallation steps.

- 1 Log in to the Portal application consuming OUCSS Portlets and unregister the portlet producer before you start Uninstall.

- 2 Set the `PRODUCT_HOME` environment variable:

On Windows:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return `PRODUCT_HOME` as `D:\OUCSS\webcenter_WSS`.

On UNIX/Linux

```
export PRODUCT_HOME=/spl/OUCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return `PRODUCT_HOME` as `/spl/OUCSS/webcenter_WSS`.

- 3 Set the WebLogic server environment by running the `setWLSEnv.cmd` script (on Windows) or `setWLSEnv.sh` script (on Linux). The scripts are located in `<<MW_Home>>\wlserver_10.3\server\bin` (where `MW_Home` is the directory in which WebLogic is installed).

On Windows:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

On UNIX/Linux

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

- 4 Remove OUCSS artifacts (OUCSS Schema, Data Source, CredentialMap, Mail Session) by running the following command from the <PRODUCT_HOME>/bin directory:

Important: The same *InstallProperties.xml* file (<PRODUCT_HOME>/config/InstallProperties.xml) that was used for installation should be used in this step. Do not update any new values in *InstallProperties.xml* during undeployment; the file should remain same as it was during installation.

On Windows:

```
cd %PRODUCT_HOME%\bin
ant -f UnInstallBuild.xml PortletunInstall -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l uninstallProducer.log
```

On UNIX/Linux

```
cd $PRODUCT_HOME/bin
ant -f UnInstallBuild.xml PortletunInstall -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l uninstallProducer.log
```

After running the command check *uninstallProducer.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

- 5 Remove **Users and Groups** from the WebLogic Embedded LDAP by running the following command from the <PRODUCT_HOME>/bin directory:

Note: This command is valid *only* for a WebLogic embedded LDAP.

On Windows:

```
ant -f UnInstallBuild.xml deleteUserGroupWeblogicEmbeddedLdap -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l deleteFromLDAP.log
```

On UNIX/Linux

```
ant -f UnInstallBuild.xml deleteUserGroupWeblogicEmbeddedLdap -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l deleteFromLDAP.log
```

After running the command check *deleteFromLDAP.log* for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

When the process completes, log in to the Oracle Enterprise Manager console and check that the OUCSS deployments have been removed (under **Application Deployments**), and that all OUCSS data sources, mds, database tables, and database user data have been deleted.

Appendix B

Installing and Configuring Oracle MapViewer

Following section provide information on installing Oracle MapViewer 11.1.1.6.0 to be used with OUCSS Outage Map functionality. MapViewer can be installed in two different ways, using pre-install or installing on WebLogic Server.

Prerequisite Software for MapViewer

The following software is required to use Oracle MapViewer, you must have the following software:

- 1 A J2EE server supported by MapViewer (for details see <http://www.oracle.com/technetwork/middleware/mapviewer/j2ee-s>).
- 2 Oracle Database with Spatial or Locator (Release 9i or later).
- 3 Oracle Client (Release 9i or later), if you need to use JDBC Oracle Call Interface (OCI) features. Note that in general, the JDBC thin driver is recommended for use with MapViewer, in which case the Oracle Client is not required.
- 4 Java SDK 1.5 or later.

Note: MapViewer also supports the headless AWT mechanism in J2SE SDK, which enables MapViewer to run on Linux or UNIX systems without setting any `X11 DISPLAY` variable. To enable AWT headless mode on Linux or UNIX systems, specify the following on the command line to start MapViewer:

```
-Djava.awt.headless=true
```

Installing on WebLogic (Recommended)

- 1 Download Oracle MapViewer 11.1.1.6.0 EAR from the Oracle Technology Network (OTN) at <http://www.oracle.com/technetwork/middleware/mapviewer/downloads/index-100641.html>
- 2 Create a Managed Server to install the Oracle MapViewer. We recommend using a separate WebLogic Domain to host the Oracle MapViewer. Oracle MapViewer can also be installed on a managed server in OUCSS domain.
- 3 Follow the steps to deploy the Oracle MapViewer on WebLogic as described in Chapter 1.4.1 of the MapViewer User Guide (http://download.oracle.com/otndocs/products/mapviewer/mapviewer_uq_11p5.pdf).

Pre-Installed Oracle MapViewer (OC4J Server)

MapViewer also comes with a QuickStart Kit that has pre-installed MapViewer on OC4J server.

- 1 Download the QuickStart Kit Oracle MapViewer from the Oracle Technology Network (OTN) at <http://www.oracle.com/technetwork/middleware/mapviewer/downloads/index.html>

- 2 Follow the steps to deploy the Oracle QuickStart Kit in Chapter 1.4.3 of the MapViewer User Guide (http://download.oracle.com/otndocs/products/mapviewer/mapviewer_ug_11p5.pdf).

Verifying That the Deployment Was Successful

Test if the MapViewer server has started correctly. Enter the following URL to invoke the MapViewer server with a simple get-version request:

```
http://<<host>>:<<port>>/mapviewer/omserver?getv=t
```

If MapViewer is running correctly, it should immediately send back a response text string indicating the version and build number, such as the following:

```
Ver11_1_1_4_B110225
```

Configuring MapViewer

After installing and verifying, MapViewer instance needs to be configured with database to pull map data.

- 1 Download and upload MapViewer data into Oracle Database. This data can be obtained from various vendors.
- 2 Make sure to update the following spatial views that MapViewer uses to render maps after setting up the Map data.
 - USER_SDO_MAPS
 - USER_SDO_THEMES
 - USER_SDO_STYLES
 - USER_SDO_CACHED_MAPS
- 3 Configure MapViewer to refer to the above map data source. You can configure MapViewer with one or more data sources.
- 4 To configure a Data Source, login to `http://<<host>>:<<port>>/mapviewer/mvlogon.jsp` with WebLogic domain admin credentials.
- 5 Click on “Configuration” link on the left menu.
- 6 Scroll to the bottom of the Text-Area on the right and add the data source.
- 7 Prefix ‘!’ to the password to allow MapViewer to encode it when the data source is loaded first.
- 8 MapViewer configuration also allows configuring other parameters for fine-tuning. Use the same screen to change the configuration as it suits the requirements.
- 9 After configuring Data and Data Source, use Oracle Map Builder (can be downloaded from OTN), to configure BASE_MAPS, TILES, STYLES, THEMES that are required to render maps.

Configure OUCSS Map Properties

To configure OUCSS Map Properties:

- 1 Log in to the OUCSS Portal application `http://<PortalHost>:<PortalPort>/OUCSSPortal` as WSSAdmin.
- 2 Select **Admin** > **System** to go to OUCSS System Configuration page.
- 3 Select the Map Viewer property to be changed and edit the property value.

Your Company
Tag Line for Your Company

Welcome WSSAdmin | Administration | Logout

HomeAccount(s)DetailsOutagesNew CustomerUser ProfileAdmin

Actions

Property	Property Type	Property Value	Property Lookup	Property Lookup Value
validate.length.password.min	FREEFORM	0		
validate.length.password.max	FREEFORM	12		
validate.regex.password	FREEFORM	[a-zA-Z0-9]*		
oucsc.default.locale	FREEFORM	en		
rollback.on.failed.email	FREEFORM	Y		
account.list.max.rows	FREEFORM	5		
account.list.page.size	FREEFORM	3		
max.rows.premise.search	FREEFORM	10		
default.customerclass.parm	FREEFORM	R		
default.personbusiness.parm	FREEFORM	P		
outage.map.base.map	FREEFORM	NAVTEQ_SF.NAVTEQ_WORLD_MA		
outage.map.color.theme	FREEFORM	ZIP5		
outage.map.color.theme.loc	FREEFORM	POSTALCODE		
outage.table.page.size	FREEFORM	10		
outage.map.srid	FREEFORM	8307		
outage.map.color.theme.colors	FREEFORM	#00FF00;#EEEE00;#FF7F00;#FF0000		
outage.map.color.theme.buckets	FREEFORM	4		
outage.area.nms.config	FREEFORM	ZIP		
default.newcust.requestmode	FREEFORM	C1ST		
current.oucsc.version	FREEFORM	2.0.1		

UserSystemResourceAccessSecurityEdge ApplicationLine Of BusinessPortletsLanguageLabelsLookupsMessagesTrainOffers

Configuration Maintenance

Property outage.map.base.mapProperty Type FREEFORMProperty Value NAVTEQ_SF.NAVTEQ_WORLD_MAP

Property LookupProperty Lookup Value

ResetSaveCancel

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4 Click **Save** changes.

Note:
Consult the MapViewer User Guide at http://download.oracle.com/otndocs/products/mapviewer/mapviewer Ug_11p5.pdf for additional information about MapViewer and its configuration.

Appendix C

Mobile Application Deployment

Mobile Application Deployment Prerequisites

The following software is required for Mobile Application deployment:

- OUCSS 2.0.1 Base application deployed on WebCenter Version 11.1.1.6.0 or later.

Pre-Installation Tasks

- Run the RCU provided by the Oracle WebCenter installation and create a separate MDS schema in the database for the Oracle Utilities Customer Self Service Mobile application.

Note: The Schema prefix should be **CSSMB** for Mobile Application. The generated schema name will be **CSSMB_MDS**.

- The code snippet in the InstallProperties.xml file should look like the following, including a reference to the CSSMB_MDS schema created using the RCU utility:

```
<Mobile>
...
<mdsconfig>
    <mdsdbusername>CSSMB_MDS</mdsdbusername>
    <mdsdbuserpassword>managerxx</mdsdbuserpassword>
    <mdsdbhostname>DBHOSTNAMExx</mdsdbhostname>
    <mdsdbportnumber>DBPORTxx</mdsdbportnumber>
    <mdsdbsid>DBSIDxx</mdsdbsid>
</mdsconfig>
...
</Mobile>
```

Note: Refer to Appendix A, "Installing OUCSS Components as Portlets," for details on running RCU.

Installing the OUCSS Mobile Application

- 1 Ensure the OUCSS Base 2.0.1 application is installed and running.
- 2 Set the PRODUCT_HOME environment variable to point to webcenter_WSS:

Windows example:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return PRODUCT_HOME as D:\OUCSS\webcenter_WSS.

Linux/UNIX example:

```
export PRODUCT_HOME=/spl/OUCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return PRODUCT_HOME as /spl/OUCSS/webcenter_WSS.

- 3 Set the WebLogic server environment by running the setWLSEnv.cmd script (on Windows) or setWLSEnv.sh script (on Linux). The scripts are located in <WebCenter_Home>\wlserver_10.3\server\bin (where WebCenter_Home is the directory in which WebCenter is installed). After running the script setWLSEnv, verify that the WebLogic server environment variable (wlserver) is set in your classpath and path environment.

Windows example:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

Linux/UNIX example:

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

- 4 Update the <PRODUCT_HOME>/config/InstallProperties.xml file with values appropriate to your environment (as described in “Configuring OUCSS Mob Application deployment Properties” later in this document).
- 5 Execute the following command to change to PRODUCT_HOME/bin:

On UNIX/Linux

```
cd $PRODUCT_HOME/bin
```

On Windows:

```
cd %PRODUCT_HOME%\bin
```

- 6 Run the installation command to deploy the following OUCSS Mobile artifacts:

On Windows:

```
ant -f InstallBuildMobile.xml CreateManagedServer -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l createMS.log
```

On UNIX/Linux:

```
ant -f InstallBuildMobile.xml CreateManagedServer -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l createMS.log
```

- 7 Apply the Java Required Files (JRF) template:
 - A. Log in into the Oracle Enterprise Manager console <http://webcenterhostname:WLSAdminServerPort/em> with wlsadminuser/wlspasswd.

- B. Select Weblogic_Domain, then <webcenter_domainname>, and expand OUCSSMobility.

Note that key Enterprise Manager features such as monitoring, security, and logging will become available after the JRF template is enabled and the server is restarted. Also note that the JRF template includes application deployments, startup and shutdown classes, as well as changes to the system classpath.

- C. Click Apply JRF Template.
 - D. Click **OK** in the confirmation dialog.

Note: Some information provided by the JRF template may not be immediately available after the server restart. Use the Enterprise Manager Refresh button (next to the Page Refreshed timestamp) to display the most recent information.

- 8 Restart server OUCSSMobility.
- 9 Install the Mobile Application with the following command:

On Windows:

```
ant -f InstallBuildMobile.xml InstallMobile -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l installOUCSSMobile.log
```

On Linux

```
ant -f InstallBuildMobile.xml InstallMobile -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l installOUCSSMobile.log
```

- 10 After running the command, check the installOUCSSMobile.log file for any build errors. If “BUILD SUCCESSFUL” does not appear at the end of the file, fix any errors listed in the log before proceeding.

Configuring OUCSS Mob App Deployment Properties

Mobile Application deployment requires that you update the following properties in `PRODUCT_HOME /config/ InstallProperties.xml`.

Property	Description	Example
Mobile	Name of the mobile module no need to update this value	Not applicable
AdminServer	AdminServer tag, no need to update this value	webcenter.test.com
hostname	Host name of the server where admin server is installed	7001
portnumber	Port number of the admin server	AdminServer
servername	Servername to be used.	weblogic
Username	Username used to log in as an Admin server	weblogic
Password	Password used to log in as an Admin server	weblogic#1
domainname	Domain user to be used	webcenter_domain
realmName	Realm name to be used	myrealm
ManagedServer	Managed server tag no need to update this tag	Not applicable
hostname	Hostname of the managed server	webcenter.test.com
portnumber	Port no of the managed server	8889
servername	Name of the managed server	OUCSSMobility
username	Username used to login managed server	weblogic
password	Password used to login managed server	Weblogic
mdsconfig	Mdsconfig no need to update this value	
mdsdbusername	Dbusername of mds	CSSMB_MDS
mdsdbuserpassword	Dbpasswd of mds	Welcome1
mdsdbhostname	Dbhostname of mds	sf-lindb-xx.us.oracle.com
mdsdbportnumber	Dbportnumber of mds	1521
mdsdbsid	DB SID of mds	WCDBINT
DB	DB Tag no need to update this value	
dbusername	Username of the database	CSSPRETEST4
dbuserpassword	Password of the database	manager
dbhostname	Database server name	sf-lindb-xx.us.oracle.com
dbportnumber	Database port number	1521
dbsid	Database SID	WCDBINT

Mobile Install Properties Example

```
<Mobile>

    <AdminServer>
        <hostname>webcenterhostname</hostname>
        <portnumber>7001</portnumber>
        <servername>AdminServer</servername>
        <username>admin</username>
        <password>admin#1</password>
        <domainname>webcenter_domain</domainname>
<domainLocation>xxx/user_projects/domains/wcmob_domain</domainLocation>
        <realmName>myrealm</realmName>
    </AdminServer>
    <ManagedServer>
        <hostname>webcenterhostname</hostname>
        <portnumber>8001</portnumber>
        <servername>OUCSSMobility</servername>
        <username>admin</username>
        <password>admin#1</password>
    </ManagedServer>
    <mdsconfig>
        <mdsdbusername>CSSMB_MDS</mdsdbusername>
        <mdsdbuserpassword>passwordCSSMB_MDM</mdsdbuserpassword>
        <mdsdbhostname>hostname</mdsdbhostname>
        <mdsdbportnumber>portnumber</mdsdbportnumber>
        <mdsdbsid>SID</mdsdbsid>
    </mdsconfig>
    <DB>
        <dbusername>mobility</dbusername>
        <dbuserpassword>mobadmin</dbuserpassword>
        <dbhostname>mobhostname</dbhostname>
        <dbportnumber>1521</dbportnumber>
        <dbsid>mobdb</dbsid>
    </DB>
</Mobile>
```

Post-Installation Checklist

Use this following checklist to verify that OUCSS Mobile Application is correctly installed.

- 1 Verify that the OUCSSMobility managed server is created successfully and is running.

Customize this table

Servers (Filtered - More Columns Exist)

New Clone Delete Showing 1 to 5 of 5 Previous | Next

☐	Name	Cluster	Machine	State	Health	Listen Port
☐	AdminServer(admin)		new_Machine_1	RUNNING	✓ OK	7450
☐	OUCSSMobility		new_Machine_1	RUNNING	✓ OK	8765

- Check the summary of JDBC Datasources > OUCSS and verify that the target is pointed to OUCSSMobility (which should be checked, along with other servers), for e.g. as shown below:

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Home > Summary of JDBC Data Sources > OUCSSDS

Settings for OUCSSDS

Configuration **Targets** Monitoring Control Security Notes

Save

This page allows you to select the servers or clusters on which you would like to deploy this

Servers
☐ AdminServer
☐
☒ OUCSSMobility
☒ WC_Portlet
☒ WC_Spaces

Save

Domain Structure

- webcenter_domain
 - Environment
 - Deployments
 - Services
 - Messaging
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - jCOM
 - Mail Sessions
 - File T3

How do I...

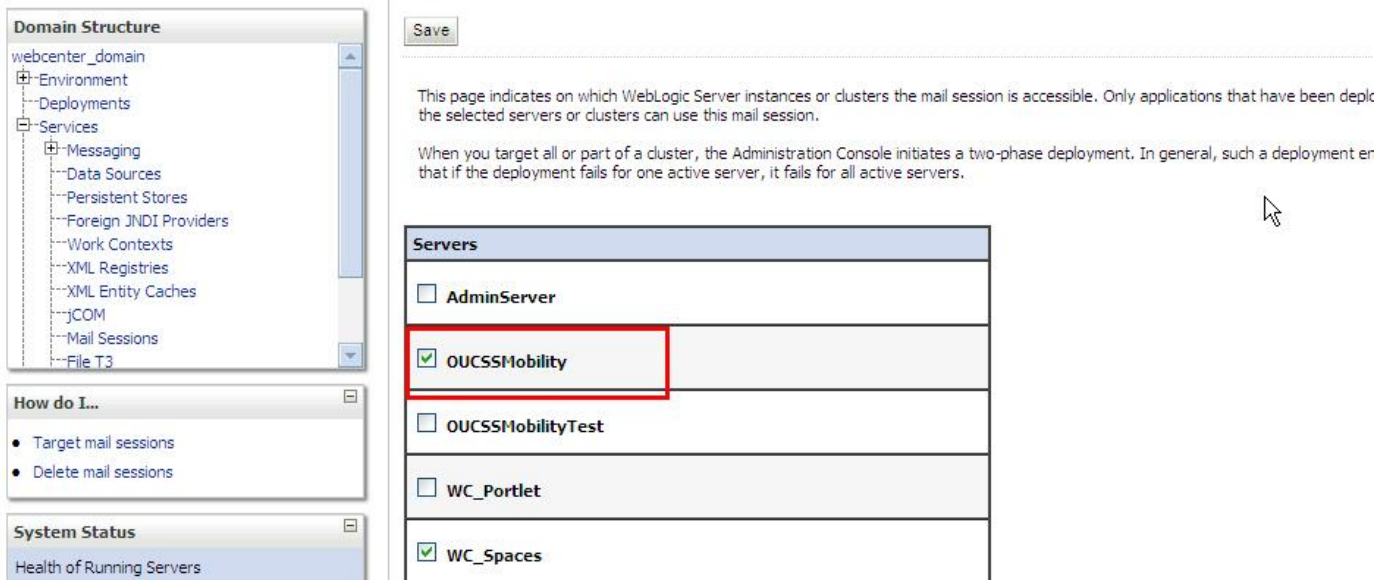
- Target JDBC data sources

System Status

Health of Running Servers

Failed (0)

- Check the **Summary of Mail Sessions > OUCSS** to ensure that the target points to the OUCSS Mobility server.



4 Pre-build the Mobile Application URL:

http://webcenterhostname:CSSMobilityserverportno/OUCSSMobileB/
 Username/Password: username/passwd
 Example: http://hostname:8765/OUCSSMobileB

Uninstalling the OUCSS Mobile Application

1 Set the PRODUCT_HOME environment variable:

On Windows:

```
SET PRODUCT_HOME=D:\OUCSS\webcenter_WSS
echo %PRODUCT_HOME%
```

Echo should return PRODUCT_HOME as D:\OUCSS\webcenter_WSS.

On UNIX/Linux:

```
export PRODUCT_HOME=/spl/OUCSS/webcenter_WSS
echo $PRODUCT_HOME
```

Echo should return PRODUCT_HOME as /spl/OUCSS/webcenter_WSS.

2 Set the WebLogic server environment by running the *setWLSEnv.cmd* script (on Windows) or *setWLSEnv.sh* script (on Linux). The scripts are located in <WebCenter_Home>\wlserver_10.3\server\bin (where <WebCenter_Home> is the directory in which WebCenter is installed). After running the *setWLSEnv* script, verify that the **wlserver** environment is set in your **classpath** and **path** environment variables.

On UNIX/Linux:

```
source /spl/webcenter/wlserver_10.3/server/bin/setWLSEnv.sh
```

On Windows:

```
run D:\webcenter\wlserver_10.3\server\bin\setWLSEnv.cmd
```

3 Use the same *InstallProperties.xml* file located in <PRODUCT_HOME>/config that was updated for installation.

Important: Do not update any new values in *InstallProperties.xml* during uninstall; the file should remain the same as it was during installation.

4 Execute the following command to change to PRODUCT_HOME/bin:

On UNIX/Linux:

```
cd $PRODUCT_HOME/bin
```

On Windows:

```
cd %PRODUCT_HOME%\bin
```

- 5 Run the following command to uninstall the following OUCSS Mobility artifacts:

On Windows:

```
ant -f UnInstallBuildMobile.xml -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -l uninstallmobile.log
```

On UNIX/Linux

```
ant -f UnInstallBuildMobile.xml -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -l uninstallmobile.log
```

After running this command check uninstallmobile.log for any build errors.

- 6 Deleting a Managed Server :

- A. In the Change Center of the Administration Console, click Lock & Edit.
- B. In the left pane of the Console, select Environment > Servers.
- C. Stop the managed server OUCSSMobility.
- D. In the Servers table, select the check box next to the OUCSSMobility server instance and click Delete.
- E. Confirm your deletion request.
- F. To activate these changes, in the Change Center of the Administration Console, click Activate Changes.
- G. When the process completes, log in to the Oracle Enterprise Manager console and check that the OUCSSMobility managed server has been deleted.

Appendix D

Installation Properties

The following listing shows the structure and sample data contained in *InstallProperties.xml* for OUCSS Portal Install.

```
<?xml version="1.0" encoding="UTF-8"?>
<config>
  <WSS2>
    <modulename>PORTLET-APPLICATION</modulename>
    <CCB>
      <hostname>ccbhostname</hostname>
      <portnumber>6000</portnumber>
      <servername></servername>
      <protocol>http</protocol>
      <appcontext>cssccb</appcontext>
      <username>admin</username>
      <password>admin</password>
    </CCB>
    <WebCenter> <!--To be used only when installing OUCSS on WebCenter Spaces →
      <AdminServer>
        <hostname>leaveblank for oucss portal install</hostname>
        <portnumber>leaveblank for OUCSS Portal install</portnumber>
        <servername>leaveblank for OUCSS Portal install</servername>
        <username>leaveblank for OUCSS Portal install</username>
        <password>leaveblank for OUCSS Portal install</password>
        <domainname>leaveblank for OUCSS Portal install</domainname>
        <realmName>myrealm</realmName>
      </AdminServer>
      <ManagedServer>
        <hostname>leaveblank for OUCSS Portal install</hostname>
        <portnumber>leaveblank for OUCSS Portal install</portnumber>
        <servername>leaveblank for OUCSS Portal install</servername>
```

```

        <username></username>
        <password></password>
    </ManagedServer>
    <mdsconfig>
        <mdsdbusername>leaveblank for OUCSS Portal install</mdsdbusername>
        <mdsdbuserpassword>leaveblank for OUCSS Portal
install</mdsdbuserpassword>
        <mdsdbhostname>leaveblank for OUCSS Portal install</mdsdbhostname>
        <mdsdbportnumber>leaveblank for OUCSS Portal
install</mdsdbportnumber>
        <mdsdbsid>leaveblank for OUCSS Portal install</mdsdbsid>
    </mdsconfig>
    <DB>
        <dbusername>leaveblank for OUCSS Portal install</dbusername>
        <dbuserpassword>leaveblank for OUCSS Portal
install</dbuserpassword>
        <dbhostname>leaveblank for OUCSS Portal install</dbhostname>
        <dbportnumber>leaveblank for OUCSS Portal install</dbportnumber>
        <dbsid>leaveblank for OUCSS Portal install</dbsid>
    </DB>
</WebCenter>
<SOA>
    <AdminServer>
        <hostname>don't update.leaveblank</hostname>
        <portnumber>don't update.leaveblank </portnumber>
        <servername>don't update.leaveblank </servername>
        <username>don't update.leaveblank </username>
        <password>don't update.leaveblank </password>
        <domainname>don't update.leaveblank </domainname>
    </AdminServer>
    <ManagedServer>
        <hostname>don't update.leaveblank </hostname>
        <portnumber>don't update.leaveblank </portnumber>
        <servername>don't update.leaveblank </servername>
        <username>don't update.leaveblank </username>
        <password>don't update.leaveblank </password>
    </ManagedServer>
    <mdsconfig>
        <mdsdbusername>don't update.leaveblank </mdsdbusername>
        <mdsdbuserpassword>don't update.leaveblank </mdsdbuserpassword>
        <mdsdbhostname>don't update.leaveblank </mdsdbhostname>
        <mdsdbportnumber>don't update.leaveblank </mdsdbportnumber>
        <mdsdbsid>don't update.leaveblank </mdsdbsid>
    </mdsconfig>
    <partition-name>default</partition-name>
</SOA>
<Mobile>
    <AdminServer>

```

```

        <hostname> update for mobile install </hostname>
        <portnumber> update for mobile install </portnumber>
        <servername> update for mobile install </servername>
        <username> update for mobile install </username>
        <password> update for mobile install </password>
        <domainname> update for mobile install </domainname>
        <domainLocation> update for mobile install </domainLocation>
        <realmName> update for mobile install </realmName>
    </AdminServer>
    <ManagedServer>
        <hostname> update for mobile install </hostname>
        <portnumber> update for mobile install </portnumber>
        <servername> update for mobile install </servername>
        <username> update for mobile install </username>
        <password> update for mobile install </password>
    </ManagedServer>
    <mdsconfig>
        <mdsdbusername> update for mobile install </mdsdbusername>
        <mdsdbuserpassword> update for mobile install </mdsdbuserpassword>
        <mdsdbhostname> update for mobile install </mdsdbhostname>
        <mdsdbportnumber> update for mobile install </mdsdbportnumber>
        <mdsdbsid> update for mobile install </mdsdbsid>
    </mdsconfig>
    <DB>
        <dbusername> update for mobile install </dbusername>
        <dbuserpassword> update for mobile install </dbuserpassword>
        <dbhostname> update for mobile install </dbhostname>
        <dbportnumber> update for mobile install </dbportnumber>
        <dbsid> update for mobile install </dbsid>
    </DB>
</Mobile>
<WSS>
    <AdminServer>
        <hostname>portalhost.com</hostname>
        <portnumber>7001</portnumber>
        <servername>AdminServer</servername>
        <username>wcadmin</username>
        <password>wcadmin</password>
        <domainname>portal_domain</domainname>
        <realmName>myrealm</realmName>
    </AdminServer>
    <ManagedServer>
        <hostname>portalhost.com</hostname>
        <portnumber>9000</portnumber>
        <servername>WC_CustomPortal</servername>
        <username>wcadmin</username>
        <password>wcadmin</password>

```

```

        <remote>false</remote>
    </ManagedServer>
    <mdsconfig>
        <mdsdbusername>leaveblank for OUCSS Portal install</mdsdbusername>
        <mdsdbuserpassword>leaveblank for OUCSS Portal
install</mdsdbuserpassword>
        <mdsdbhostname>leaveblank for OUCSS Portal install</mdsdbhostname>
        <mdsdbportnumber>leaveblank for OUCSS Portal
install</mdsdbportnumber>
        <mdsdbsid>leaveblank for OUCSS Portal install</mdsdbsid>
    </mdsconfig>
    <DB>
        <dba.dbusername>system</dba.dbusername>
        <dba.dbuserpassword>dbadmin</dba.dbuserpassword>
        <dbusername>css201dbuser</dbusername>
        <dbuserpassword>cssdbadmin</dbuserpassword>
        <dbuser.createflag>true</dbuser.createflag>
        <dbhostname>cssdbhost.com</dbhostname>
        <dbportnumber>1521</dbportnumber>
        <dbsid>css201db</dbsid>
        <installedVersion>leaveblank for OUCSS Portal
install</installedVersion>
    </DB>
    <offerService>
        <OUCCSOfferServiceFlag>true</OUCCSOfferServiceFlag>

    <NonOUCCSOfferServiceURL>don't update.leaveblank</NonOUCCSOfferServiceURL>
    </offerService>
    <MailServer>
        <send>
            <hostname>mailserver.domain.com</hostname>
            <portnumber>25</portnumber>
            <protocol>smtp</protocol>
            <fromAddress>wssAdmin@oracle.com</fromAddress>
        </send>
    </MailServer>
    <MDM>
        <protocol>http</protocol>
        <hostname>mdmsoahost.com</hostname>
        <portnumber>7000</portnumber>
        <username>admin</username>
        <password>admin#1</password>
    </MDM>
    <NMS>
        <outageenable>true</outageenable>
        <protocol>http</protocol>
        <hostname>nmssoahost.com</hostname>
        <portnumber>6000</portnumber>

```

```

        <username>admin</username>
        <password>admin#1</password>
    </NMS>
    <mapviewer>
        <protocol>http</protocol>
        <hostname>mapviewerhost</hostname>
        <portnumber>7000</portnumber>
        <appcontext>mapvw</appcontext>
        <basemap>NAVTEQ_WORLD_MAP</basemap>
        <colorTheme>ZIP7</colorTheme>
        <colorThemeLocColumn>POSTALCODE</colorThemeLocColumn>
        <srid>8370</srid>
    </mapviewer>
</WSS>
</WSS2>
</config>

```

InstallProperties XPath Descriptions and Examples

XPath information contained in *InstallProperties.xml* is as follows:

- `/config/WSS2/CCB`
All subelements of this node contain information specific to CCB.
- `/config/WSS2/WebCenter`
All subelements of this node contain information specific to WebCenter. Leave all entries blank for OUCSS Portal Install.
- `/config/WSS2/SOA`
All subelements of this node contain information specific to SOA. Currently not used. Leave all entries blank.
- `/config/WSS2/WSS`
All sub-elements of this node contain information specific to WSS (OUCSS).

Note: Refer to Appendix G if the `<username>` and `<password>` under the `<NMS>` element are not populated in *InstallProperties.xml*.

XPath	Description	Example
<code>modulename</code>	ModuleName for which this installation property is used. Not used by installation framework. Hardcoded to "PORTLET-APPLICATION"	
<code>/config/WSS2/CCB/hostname</code>	Hostname of server hosting CCB application	<code>ccbhostname.oracle.com</code>
<code>/config/WSS2/CCB/portnumber</code>	Portnumber on which CCB application is listening	<code>8500</code>
<code>/config/WSS2/CCB/servername</code>	Managed server name CCB hosting server. Not used in current release, can be left blank	
<code>/config/WSS2/CCB/protocol</code>	Protocol of CCB application URL	<code>http</code>
<code>/config/WSS2/CCB/appcontext</code>	Appcontext of CCB application URL	If your CCB application URL is <code>http://ccbhostname.us.com:8500/spl</code> , the appcontext would be "spl"

/config/WSS2/CCB/username	Username which should be use to create OUCSS_XAI_BASIC_KEY CSF Key for CCB XAI Inbound calls	SPLXAI
/config/WSS2/CCB/password	Password which should be use to create OUCSS_XAI_BASIC_KEY CSF Key for CCB XAI Inbound calls	splxai00
/config/WSS2/WebCenter/AdminServer/hostname	Hostname of Admin server of WebLogic domain hosting WebCenter application	webcenterhostname.oracle.com
/config/WSS2/WebCenter/AdminServer/portnumber	Admin server portnumber	7001
/config/WSS2/WebCenter/AdminServer/servername	Admin server name of WebLogic domain hosting WebCenter	AdminServer
/config/WSS2/WebCenter/AdminServer/username	Admin user to connect to Admin server	weblogic
/config/WSS2/WebCenter/AdminServer/password	Admin user password to connect to Admin server	WLSAdminPasswd
/config/WSS2/WebCenter/AdminServer/Domainname	WebLogic domain name hosting WebCenter managed server	wss_domain
/config/WSS2/WebCenter/AdminServer/realmName	Realm name of the embedded WebLogic LDAP configured for WebLogic domain hosting WebCenter	myrealm
/config/WSS2/WebCenter/ManagedServer/hostname	Hostname of Managed server hosting WebCenter	webcenterhostname.oracle.com
/config/WSS2/WebCenter/ManagedServer/portnumber	Managed server portnumber	8888
/config/WSS2/WebCenter/ManagedServer/servername	Managed server name hosting WebCenter	WC_Spaces
/config/WSS2/WebCenter/ManagedServer/username	Managed user to connect to Managed server	weblogic
/config/WSS2/WebCenter/ManagedServer/password	user password to connect to Managed server	WLSAdminPasswd
/config/WSS2/WebCenter/mdsconfig	Leave this & all sub-element as blank as this is currently not used	
/config/WSS2/WebCenter/DB/dbusername	DB username to connect to WebCenter schema. This will generally have suffix as *_WEBCENTER	WSS_WEBCENTER
/config/WSS2/WebCenter/DB/dbuserpassword	Password to connect to WebCenter schema	
/config/WSS2/WebCenter/DB/dbhostname	Hostname to connect to WebCenter schema	dbserver.oracle.com
/config/WSS2/WebCenter/DB/dbportnumber	Portnumber to connect to WebCenter schema	1521
/config/WSS2/WebCenter/DB/dbsid	Service name/sid to connect to WebCenter schema	Wcdb1
/config/WSS2/SOA /config/WSS2/Mobile	Currently not use, will be use when portlet need to connect to SOA composite. Leave this and sub-element blank. /config/WSS2/Mobile is used only for mobile install refer to Appendix C for installation of Mobile application	

/config/WSS2/WSS/AdminServer/hostname	Hostname of Admin server of WebLogic domain hosting WSS application	portalhostname.oracle.com
/config/WSS2/WSS/AdminServer/portnumber	Admin server portnumber	7001
/config/WSS2/WSS/AdminServer/servername	Admin server name WSS hosting server	AdminServer
/config/WSS2/WSS/AdminServer/username	Admin user to connect to Admin server	Weblogic
/config/WSS2/WSS/AdminServer/password	Admin user password to connect to Admin server	WLSAdminPasswd
/config/WSS2/WSS/AdminServer/Domainname	WebLogic domain name hosting WSS managed server	portal_domain
/config/WSS2/WSS/AdminServer/realmName	Realm name of the embedded WebLogic LDAP configured for WebLogic domain hosting WSS	Myrealm
/config/WSS2/WSS/ManagedServer/hostname	Hostname of Managed server hosting WSS. This will host the OCUSS Portal EAR file	portalhostname.oracle.com
/config/WSS2/WSS/ManagedServer/portnumber	Managed server portnumber	9000
/config/WSS2/WSS/ManagedServer/servername	Managed server name hosting WSS	WC_CustomPortal
/config/WSS2/WSS/ManagedServer/username	Managed user to connect to Managed server	Weblogic
/config/WSS2/WSS/ManagedServer/password	user password to connect to Managed server	WLSAdminPasswd
/config/WSS2/WSS/ManagedServer/remote	If the deployment is not happening from physical machine hosting managed server (which will host WSS) then set this value to true else false	False
/config/WSS2/WSS/mdsconfig/mdsdbusername	Username of schema hosting MDS for WSS application.	OUCSSCUST_MDS
/config/WSS2/WSS/mdsconfig/mdsdbuserpassword	Password to connect to schema	
/config/WSS2/WSS/mdsconfig/mdsdbhostname	Hostname to connect to DB	Dbserver.oracle.com
/config/WSS2/WSS/mdsconfig/mdsdbportnumber	Portnumber to connect to DB	Dbportno
/config/WSS2/WSS/mdsconfig/mdsdbsid	SID/service name to connect to schema	Wc1
/config/WSS2/WSS/DB/dba.dbusername	Sys user to connect to DB which will host WSS specific DB objects	System Note : If using sys user then use "sys as sysdba".
/config/WSS2/WSS/DB/dba.dbuserpassword	Sys user password	Dbssystempass
/config/WSS2/WSS/DB/dbusername	DB username which will host WSS specific DB objects	wssdbinstall1
/config/WSS2/WSS/DB/dbuserpassword	Password of DB username which will host WSS specific DB objects	Dbpass

/config/WSS2/WSS/DB/dbuser.createflag	Flag to state whether to create DB user or user already exist. Following are the value- true – Create DB Schema during installation & drop during uninstallation of WSS false – Do not create/drop DB schema as part of WSS installation/uninstallation as schema already exist with connect, resource grants Note: The OUCSS Data Source will be created irrespective of this value is true or false.	True
/config/WSS2/WSS/DB/dbhostname	Hostname to connect to DB	Dbserver.oracle.com
/config/WSS2/WSS/DB/dbportnumber	Portnumber to connect to DB	1521
/config/WSS2/WSS/DB/dbsid	SID/service name to connect to DB	Dbserver.oracle.com
/config/WSS2/WSS/DB/installedVersion	Version of existing OUCSS installation (needed for DB upgrade)	2.0.0
/config/WSS2/WSS/OUCCSOfferServiceFlag	OUCCS Offer service flag	true- use Offer service shipped with OUCCS false-use offer service provided by customer in NonOUCCSOfferServiceURL property
/config/WSS2/WSS/NonOUCCSOfferServiceURL	Customer specific offer service URL	http://host:port/Offers?WSDL
/config/ WSS2/WSS/MailServer/send/hostname	Mail server hostname	mail.domain.com
/config/ WSS2/WSS/MailServer/send/portnumber	Mail server portnumber	25
/config/ WSS2/WSS/MailServer/send/protocol	Mail server protocol	Smtp
/config/ WSS2/WSS/MailServer/send/fromAddress	Mail server from address	wssAdmin@domain.com
/config/WSS2/WSS/MDM/protocol	MDM SOA Protocol	http
/config/WSS2/WSS/MDM/hostname	MDM SOA Hostname	Mdmsoahost.com
/config/WSS2/WSS/MDM/portnumber	MDM SOA Portnumber	8001
/config/WSS2/WSS/MDM/username	MDM SOA Username	Admin
/config/WSS2/WSS/MDM/Password	MDM SOA Password	Admin#1

/config/WSS2/WSS/NMS/outageenable	NMS outageenable	True
/config/WSS2/WSS/NMS/protocol	NMS SOA protocol	http
/config/WSS2/WSS/NMS/hostname	NMS SOA hostname	nmshostname.com
/config/WSS2/WSS/NMS/portnumber	NMS SOA portnumber	10.241.37.3
/config/WSS2/WSS/NMS/username	NMS SOA username	weblogic
/config/WSS2/WSS/NMS/password	NMS SOA password	weblogic
/config/WSS2/WSS/mapviewer/protocol	MapView protocol	http
/config/WSS2/WSS/mapviewer/hostname	MapView hostname	mapviewerhostname.com
/config/WSS2/WSS/mapviewer/portnumber	MapView portnumber	7001
/config/WSS2/WSS/mapviewer/appcontext	MapView basemap	cssmapviewer
/config/WSS2/WSS/mapviewer/basemap	MapView colorTheme	NAVTEQ.WORLD_MAP
/config/WSS2/WSS/mapviewer/ colorTheme	MapView colorThemeLocColumn	ZIP5
/config/WSS2/WSS/mapviewer/colorThemeLocColumn	MapView id	POSTALCODE
/config/WSS2/WSS/mapviewer /srid		8307

Appendix E

CCB-MDM Integrated Flows Installation Properties

The following xml file shows the structure and sample data contained in *CSSInstallProperties.xml* used for installing the CCB-MDM BPEL flows used for Self Service.

```
<?xml version="1.0" encoding="UTF-8"?>
<config>
  <modulename>OUCSS</modulename>
  <EdgeApplications>
    <OUCSS>
      <AdminServer>
        <hostname/>
        <portnumber/>
        <servername/>
        <username/>
        <password/>
      </AdminServer>
      <ManagedServer>
        <hostname/>
        <portnumber/>
        <servername/>
        <username/>
        <password/>
      </ManagedServer>
      <JMS>
        <serverName/>
        <ModuleName/>
        <SubDeploymentName/>
        <TargetServerName/>
        <PersistentStoreName/>
      </JMS>
    </OUCSS>
  </EdgeApplications>
</config>
```

```
<PersistentStoreType/>
<PersistentStoreFilename/>
</JMS>
</OUCSS>
<OUMDM>
  <AdminServer>
    <hostname/>
    <portnumber/>
    <protocol></protocol>
    <servername/>
    <username/>
    <password/>
  </AdminServer>
  <ManagedServer>
    <hostname>mdmhostname.com</hostname>
    <portnumber>8500</portnumber>
    <protocol>http</protocol>
    <context>ouaf</context>
    <servername/>
    <username/>
    <password/>
  </ManagedServer>
  <JMS>
    <serverName/>
    <ModuleName/>
    <SubDeploymentName/>
    <TargetServerName/>
    <PersistentStoreName/>
    <PersistentStoreType/>
    <PersistentStoreFilename/>
  </JMS>
  <username>mdmuser</username>
  <password>mdmpassword</password>
</OUMDM>
</EdgeApplications>
<SOA>
  <AdminServer>
    <hostname>soahostname.com</hostname>
    <portnumber>7015</portnumber>
    <servername>AdminServer</servername>
    <username>weblogicuser</username>
    <password>weblogicpassword</password>
    <domainname>soa_domain</domainname>
  </AdminServer>
  <ManagedServer>
    <hostname>soahostname.com</hostname>
    <portnumber>8015</portnumber>
```

```

        <servername>soa_server1</servername>
        <username>weblogicuser</username>
        <password>weblogicpassword</password>
    </ManagedServer>
    <mdsconfig>
        <mdsdbusername>mdsuser</mdsdbusername>
        <mdsdbuserpassword>mdspasswordr</mdsdbuserpassword>
        <mdsdbhostname>mdshostname.com</mdsdbhostname>
        <mdsdbportnumber>1521</mdsdbportnumber>
        <mdsdbsid>mdssidname</mdsdbsid>
    </mdsconfig>
</SOA>
</config>

```

CSSInstallProperties XPath Descriptions and Examples

Property	Description	Example
<config>		
<modulename>	Name of the integration module.	Default: OUCSS
		Do not change this value.
<EdgeApplications>		
<OUCSS>	Currently not used; leave this and subelement blank	
<AdminServer>	Currently not used; leave this and subelement blank	
<hostname>	Host name of the server where admin server is installed.	
<portnumber>	Port number the admin server is listening to.	
<servername>	Admin server name	
<username>	User name used to log in as an Admin server administrator.	
<password>	Password used to log in as an Admin server administrator.	
<ManagedServer>	Currently not used; leave this and subelement blank	
<hostname>	Host name of the server where managed server is installed.	
<portnumber>	Port number the managed server is listening to.	
<servername>	Managed server name	
<username>	User name to log in as a managed server administrator.	
<password>	Password to log in as a managed server administrator.	
<JMS>	Currently not used; leave this and subelement blank	
<serverName>	Server name hosting the JMS queue.	
	If CCB and MDM queues are hosted and targeted on a WebLogic domain hosting SOA suite, then do not change this value.	
	If CCB and MDM queues are on a different WebLogic domain, then this value should be unique across domains.	

	For more details, refer to the <i>WebLogic Administrator Guide</i> .	
<ModuleName>	Module name hosting the JMS queue.	
<SubDeploymentName>	Sub deployment name for JMS queues	
<TargetServerName>	WebLogic managed server name.	
	This property is usually same as ManagedServer_servername.	
<PersistentStoreName>	JMS persistent store name	
<PersistentStoreType>	JMS persistent store type (FileStores or DBStore)	
	Deployment script supports a file based persistent store.	
<PersistentStoreFilename>	Directory path name where file persistent store should be created.	
<OUMDM>		
<AdminServer>	Currently not used; leave this and subelement blank	
<hostname>	Host name of the server where admin server is installed.	
<portnumber>	Port number the admin server is listening to.	
<servername>	Admin server name	
<username>	User name used to log in as an Admin server administrator.	
<password>	Password used to log in as an Admin server administrator.	
<ManagedServer>		
<hostname>	MDM Application Hostname	host.xxx.xxx.com
<portnumber>	MDM application port number	7010
<protocol>	MDM Application Server protocol Valid values are http or https	http or https
<servername>	Managed server name	
	Currently not used; leave blank	
<username>	User name to log in as a managed server administrator.	
	Currently not used; leave blank	
<password>	Password to log in as a managed server administrator.	
	Currently not used; leave blank	
<JMS>		
	Currently not used; leave this and subelement blank	
<serverName>	Server name hosting the JMS queue.	
	If CCB and MDM queues are hosted and targeted on a WebLogic domain hosting SOA suite, then do not change this value.	
	If CCB and MDM queues are on a different WebLogic domain, then this value should be unique across domains.	
	For more details, refer to the <i>WebLogic Administrator Guide</i> .	
<ModuleName>	Module name hosting the JMS queue.	
<SubDeploymentName>	Sub deployment name for JMS queues	
<TargetServerName>	WebLogic managed server name.	
	This property is usually same as ManagedServer_servername.	

<PersistentStoreName>	JMS persistent store name	
<PersistentStoreType>	JMS persistent store type (FileStores or DBStore)	
	Deployment script supports a file based persistent store.	
<PersistentStoreFilename>	Directory path name where file persistent store should be created.	
<username>	MDM Application Username	
<password>	MDM Application Password	
<SOA>		
<AdminServer>		
<hostname>	Host name of the server where admin server hosting SOA suite is installed.	adminserver.example.oracle.com
<portnumber>	Port number the admin server (hosting SOA suite) is listening to.	7043
<servername>	Admin server name (hosting SOA suite)	AdminServer
<username>	User name used to log in as an Admin server (hosting SOA suite) administrator.	WebLogic
<password>	Password used to log in as an Admin server (hosting SOA suite) administrator.	
<domainname>	WebLogic domain name hosting SOA suite.	soa_domain
<ManagedServer>		
<hostname>	Host name of the server where managed server (hosting SOA suite) is installed.	managedserver.example.oracle.com
<portnumber>	Port number the managed server (hosting SOA suite) is listening to.	8043
<servername>	Managed server name (hosting SOA suite)	Managedserver1
<username>	User name used to log in to managed server (hosting SOA suite) as an administrator.	WebLogic
<password>	Password used to log in to managed server (hosting SOA suite) as an administrator.	
<mdsconfig>		
<mdsdbusername>	User name used to log in to MDS schema.	XXX_MDS
<mdsdbuserpassword>	Password used to log in to MDS schema.	
<mdsdbhostname>	Host name of the server hosting the database containing MDS schema.	Db.hostname.oracle.com
<mdsdbportnumber>	Port number of the database containing MDS schema.	1521
<mdsdbsid>	SID of the database containing MDS schema.	SID

Appendix F

CSS Direct BPEL Flows Installation Properties

The following XML file contains the structure and sample data contained in *CSS2InstallProperties.xml* (used for installing CSS BPEL flows):

```
<?xml version="1.0" encoding="UTF-8"?>
<config>
  <modulename>OUCSS</modulename>
  <EdgeApplications>
    <OUCSS>
      <AdminServer>
        <hostname/>
        <portnumber/>
        <servername/>
        <username/>
        <password/>
      </AdminServer>
      <ManagedServer>
        <hostname/>
        <portnumber/>
        <servername/>
        <username/>
        <password/>
      </ManagedServer>
    </OUCSS>
    <OUMDM>
      <AdminServer>
        <hostname/>
        <portnumber/>
        <protocol></protocol>
        <servername/>
        <username/>
```

```

        <password/>
    </AdminServer>
    <ManagedServer>
        <hostname>mdmhostname.com</hostname>
        <portnumber>7500</portnumber>
        <protocol>http</protocol>
        <context>ouaf</context>
        <servername/>
        <username/>
        <password/>
    </ManagedServer>
    <username>MDMAPPUSE</username>
    <password>mdmpwd00</password>
</OUMDM>
<OUCCB>
    <AdminServer>
        <hostname/>
        <portnumber/>
        <protocol></protocol>
        <servername/>
        <username/>
        <password/>
    </AdminServer>
    <ManagedServer>
        <hostname>ccbhostname.com</hostname>
        <portnumber>7800</portnumber>
        <protocol>http</protocol>
        <context>spl</context>
        <servername/>
        <username></username>
        <password></password>
    </ManagedServer>
    <username>CCBAPPUSER</username>
    <password>ccbpwd00</password>
</OUCCB>
<OUNMS>
    <AdminServer>
        <hostname/>
        <portnumber/>
        <protocol/>
        <servername/>
        <username/>
        <password/>
    </AdminServer>
    <ManagedServer>
        <hostname></hostname>
        <portnumber></portnumber>

```

```

        <protocol></protocol>
        <context></context>
        <servername/>
    </ManagedServer>
    <db>
        <xads-flag>true</xads-flag>
        <multi-ds>
            <hostname>dbhost.com</hostname>
            <port>1521</port>
            <sid>SOADB</sid>
            <multids>CSSNMSMultiDS</multids>
            <dsnameslist>CSSNMSDataSource1</dsnameslist>
            <algorithmtype>Load-Balancing</algorithmtype>
        </multi-ds>
        <generic-dss>
            <generic-ds>
                <hostname>nmsdbhost.com</hostname>
                <port>1521</port>
                <sid>NMSDB</sid>
                <jdbcdsname>CSSNMSDataSource1</jdbcdsname>
                <dbvendor>oracle</dbvendor>
            </generic-ds>
        </generic-dss>
        <jdbc_xa_driver_class>oracle.jdbc.xa.client.OracleXADataSource</jdbc_xa_driver_class>
        <jdbc_driver_class>oracle.jdbc.OracleDriver</jdbc_driver_class>
            <user>nmsdbuser</user>
            <pwd>nmsdbpwd</pwd>
        </generic-ds>
    </db>
</OUNMS>
</EdgeApplications>
<SOA>
    <AdminServer>
        <hostname>soahost.com</hostname>
        <portnumber>7015</portnumber>
        <servername>AdminServer</servername>
        <username>admin</username>
        <password>admin#1</password>
        <domainname>soa_domain</domainname>
    </AdminServer>
    <ManagedServer>
        <protocol>http</protocol>
        <hostname>soahost.com</hostname>
        <portnumber>9015</portnumber>
        <servername>soa_server1</servername>
        <username>admin</username>
        <password>admin#1</password>
    </ManagedServer>
</SOA>

```

```

    </ManagedServer>
    <mdsconfig>
        <mdsdbusername>SOA_MDS</mdsdbusername>
        <mdsdbuserpassword>manager</mdsdbuserpassword>
        <mdsdbhostname>dbhost.com</mdsdbhostname>
        <mdsdbportnumber>1521</mdsdbportnumber>
        <mdsdbsid>SOADB</mdsdbsid>
    </mdsconfig>
</SOA>
<Workflow.Notification>
    <fromemailid></fromemailid>
    <Notificationmode></Notificationmode>
</Workflow.Notification>
<EH>
    <dba.dbusername>system</dba.dbusername>
    <dba.dbuserpassword>manager</dba.dbuserpassword>
    <dbusername>FLOWSEH4</dbusername>
    <dbuserpassword>manager</dbuserpassword>
    <dbuser.createflag>true</dbuser.createflag>
    <dbhostname>dbhost.com</dbhostname>
    <dbportnumber>1521</dbportnumber>
    <dbsid>SOADB</dbsid>
</EH>
<app>
    <db_vendor_app>Oracle</db_vendor_app>
    <jdbc_ds_name_app></jdbc_ds_name_app>
    <jdbc_driver_class_app>oracle.jdbc.OracleDriver</jdbc_driver_class_app>
    <db.hostname>nmsdbhost.com</db.hostname>
    <db.port>1521</db.port>
    <db.sid>nmsdb</db.sid>
    <db.adminuser>system</db.adminuser>
    <db.adminpwd>manager</db.adminpwd>
    <dbuser>nmsdbuser</dbuser>
    <dbpwd>nmsdbpwd</dbpwd>
</app>
</config>

```

CSS2InstallProperties XPath Descriptions and Examples

Property	Description	Example
<config>		
<modulename>	Name of the integration module.	Default: OUCSS Do not change this value.
<EdgeApplications>		
<OUCSS>	Currently not used; leave subelements blank	

<AdminServer>	Currently not used; leave subelements blank		
<hostname>	Host name of the server where admin server is installed.		
<portnumber>	Port number the admin server is listening to.		
<servername>	Admin server name		
<username>	User name used to log in as an Admin server administrator.		
<password>	Password used to log in as an Admin server administrator.		
<ManagedServer>	Currently not used; leave this and subelement blank		
<hostname>	Host name of the server where managed server is installed.		
<portnumber>	Port number the managed server is listening to.		
<servername>	Managed server name		
<username>	User name to log in as a managed server administrator.		
<password>	Password to log in as a managed server administrator.		
<OUMDM>			
<AdminServer>	Currently not used; leave subelements blank		
<hostname>	Host name of the server where admin server is installed.		
<portnumber>	Port number the admin server is listening to.		
<protocol>	Admin Server protocol Valid values are http or https		
<servername>	Admin server name		
<username>	User name used to log in as an Admin server administrator.		
<password>	Password used to log in as an Admin server administrator.		
<ManagedServer>			
<hostname>	MDM Application Hostname	mdmhostname.xxx.xxx.com	
<portnumber>	MDM application port number	7010	
<protocol>	MDM Application Server protocol Valid values are http or https	http or https	
<context>	MDM context	ouaf	
<servername>	Managed server name		

<username>	User name to log in as a managed server administrator.	
	Currently not used; leave blank	
<password>	Password to log in as a managed server administrator.	
	Currently not used; leave blank	
<username>	MDM Application Username used in the MDM credential key OU_MDM2_02	
<password>	MDM Application Password used in the MDM credential key OU_MDM2_02	
<OUCCB>		
<AdminServer>	Currently not used; leave subelements blank	
<hostname>	Host name of the server where admin server is installed.	
<portnumber>	Port number the admin server is listening to.	
<protocol>	Admin Server protocol Valid values are <code>http</code> or <code>https</code>	
<servername>	Admin server name	
<username>	User name used to log in as an Admin server administrator.	
<password>	Password used to log in as an Admin server administrator.	
<ManagedServer>		
<hostname>	CCB Application Hostname	ccbhostname.xxx.xxx.com
<portnumber>	CCB application port number	7010
<protocol>	CCB Application Server protocol Valid values are <code>http</code> or <code>https</code>	http or https
<context>	CCB context	spl
<servername>	CCB Managed server name	
<username>	User name used to log in as an Managed server administrator.	
<password>	Password used to log in as an Managed server administrator.	
<username>	CCB Application Username used in the CCB credential key OU_CCB_01	
<password>	CCB Application Password used in the CCB credential key OU_CCB_01	
<OUNMS>		

<AdminServer>	Currently not used; leave subelements blank	
<hostname>	Host name of the server where admin server is installed.	
<portnumber>	Port number the admin server is listening to.	
<protocol>	Admin Server protocol Valid values are <code>http</code> or <code>https</code>	
<servername>	Admin server name	
<username>	User name used to log in as an Admin server administrator.	
<password>	Password used to log in as an Admin server administrator.	
<ManagedServer>	Currently not use, leave all sub-elements blank	
<hostname>	NMS Application Hostname	
<portnumber>	NMS application port number	
<protocol>	NMS Application Server protocol	
<context>	NMS context	
<servername>	NMS Managed server name	
<db>		
<xads-flag>	Create XA Data Source flag	Default: true
<multi-ds>		
<hostname>	Database hostname	soadbhostname.xxx.xxx.com
<port>	Database port number	1521
<sid>	Database SID	SOADBINT
<multids>	Multi data source name	CSSNMSMultiDS (Do not change this value.)
<dsnameslist>	Adds the list of the generic data sources the user wants to associate with the multi data source created.	CSSNMSDataSource1 (The name(s) defined here should be the same as the name defined in generic-dss/ generic-ds/jdbcname property)
<algorithmtype>	Algorithm type for the Multi Data Source	Values: Load-Balancing (recommended algorithm) or Failover
<generic-dss>		
<generic-ds>		
<hostname>	NMS Database hostname	nmsdbhostname.xxx.xxx.com
<port>	NMS Database port number	1521
<sid>	NMS Database SID	nmssid

<jdbcname>	NMS Data source name	CSSNMSDataSource1
<dbvendor>	DB Vendor	Default: oracle
<jdbc_xa_driver_class>	JDBC Driver class	oracle.jdbc.OracleDriver
<jdbc_driver_class>	JDBC XA Driver class	oracle.jdbc.xa.client.OracleXADataSource
<user>	NMS Database user name	nmsdbuser
<pwd>	NMS Database password	nmsdbpwd
<SOA>		
<AdminServer>		
<hostname>	Host name of the server where admin server hosting SOA suite is installed.	adminserver.example.oracle.com
<portnumber>	Port number the admin server (hosting SOA suite) is listening to.	7043
<servername>	Admin server name (hosting SOA suite)	AdminServer
<username>	User name used to log in as an Admin server (hosting SOA suite) administrator.	WebLogic
<password>	Password used to log in as an Admin server (hosting SOA suite) administrator.	
<domainname>	WebLogic domain name hosting SOA suite.	soa_domain
<ManagedServer>		
<protocol>	Managed Server protocol Valid values are <code>http</code> or <code>https</code>	http
<hostname>	Host name of the server where managed server (hosting SOA suite) is installed.	managedserver.example.oracle.com
<portnumber>	Port number the managed server (hosting SOA suite) is listening to.	8043
<servername>	Managed server name (hosting SOA suite)	Managedserver1
<username>	User name used to log in to managed server (hosting SOA suite) as an administrator.	WebLogic
<password>	Password used to log in to managed server (hosting SOA suite) as an administrator.	WebLogicPwd
<mdsconfig>		
<mdsdbusername>	User name used to log in to MDS schema.	XXX_MDS
<mdsdbuserpassword>	Password used to log in to MDS schema.	

<mdsdbhostname>	Host name of the server hosting the database containing the MDS schema.	Db.hostname.oracle.com
<mdsdbportnumber>	Port number of the database containing MDS schema.	1521
<mdsdbsid>	SID of the database containing MDS schema.	SID
<Workflow.Notification>		
<fromemailid>	Email ID which should be set in the "From" property of Workflow Notification bean	admintest@oracle.com
<Notificationmode>	Notification Mode	yes
<EH>		
<dba.dbusername>	User name used to log in as a database administrator (DBA). This database hosts the schema required for the CSS Direct Flows Integration.	System
<dba.dbuserpassword>	Password used to log in as a database administrator (DBA). This database hosts the schema required for CSS Direct Flows Integration.	
<dbusername>	User name used to log in to OUCSSDIRFL schema for CSS Direct Flows integration. This user can be automatically created by the install (set dbuser.createflag to true) or manually outside the install process.	OUCSSDIRFL
<dbuserpassword>	Password used to log in to OUCSSDIRFL schema for CSS Direct Flows Integration.	
<dbuser.createflag>	Flag specifying whether to create a new schema or use the existing schema for CSS Direct Flows Integration. If the schema is created manually outside of the installation process, then set this value to "false". Else, set the value to "true", if the installation script should automatically create the schema. Valid values: true or false (this is case sensitive)	true
<dbhostname>	Database host name used for CSS Direct Flows Integration.	Db.sample.oracle.com

<dbportnumber>	Database port number used for CSS Direct Flows Integration.	1521
<dbsid>	Database SID used for CSS Direct Flows Integration.	
<app>	These properties are needed to specify where the BPEL Wrapper Stored Procedure is to be created. Normally, this will be in the NMS Database Information.	
<db_vendor_app>	Db Vendor	Oracle
<jdbc_ds_name_app>	Leave blank. Not in use.	
<jdbc_driver_class_app>	JDBC Driver Class	oracle.jdbc.OracleDriver
<db.hostname>	Database hostname	
<db.port>	Database port number	
<db.sid>	Database SID	
<db.adminuser>	Data Admin User name	
<db.adminpwd>	Data Admin password	
<dbuser>	Database User name	
<dbpwd>	Database password	

Appendix G

OUCSS_INTG_BASIC_KEY Creation Failure Workarounds

This appendix describes workarounds for an issue that can occur if either of NMS or MDM is used when <username> and <password> elements under <NMS> are not populated in InstallProperties.xml.

Issue Description

OUCSS_INTG_BASIC_KEY is commonly used for both NMS- and MDM- related Integration calls (BPEL/SOA). If either NMS or MDM is used, then this key is required.

The OUCSS Install Script uses, by default, properties from the <NMS> element in InstallProperties.xml to create this key. If the <username> and <password> elements under <NMS> are not populated in InstallProperties.xml, the OUCSS_INTG_BASIC_KEY key creation fails and one of the following workarounds must be applied.

Note: Apply only Workaround 1 or Workaround 2. Do not apply both.

Workaround 1

If you are using only MDM and *not* NMS, populate the <NMS> element in InstallProperties.xml with the same <username> and <password> values configured for the <MDM> element.

Workaround 2

The key can also be created manually in Enterprise Manager:

- 1 Select Domain > Security > Credentials.
- 2 Select **oracle.wsm.security** , then click the Create Key button.
- 3 Under the Map **oracle.wsm.security**, provide the key name, -Description- as **OUCSS_INTG_BASIC_KEY** and enter the details for username and password (related to BPEL/SOA), then select **OK** to create the key.

After Applying the Selected Workaround

To load the credential page, follow the steps in the section [Verify the OUCSS Security Credential](#) earlier in this document.