Oracle Utilities Customer Self Service

Whitepaper: OUCSS Web Application Release 2.1.0 **E50365-01**

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Chapter 1

Overview

This whitepaper describes the reference Oracle Utilities Customer Self Service (OUCSS) Web Application that is developed using the Oracle Application Development Framework (ADF) and is pre-integrated with the core OUCSS application modules and security model. It provides flexible deployment options and extension methodology to adapt the reference application to specific implementation requirements.

Additional Resources

For additional details see the following resources:

- The Oracle Utilities Customer Self Service Installation Guide and the Oracle Utilities Customer Self Service Installation Guide provide information on product installation/uninstallation, requirements, configuration, and administration.
- Oracle® Fusion Middleware Fusion Developer's Guide for Oracle Application Development Framework 11g Release 1 (11.1.1.7.0). (http://docs.oracle.com/cd/E28280_01/web.1111/b31974/toc.htm).

Note: This document and the documentation mentioned above is subject to revision and updating. For the most recent version of this and related documentation, as well as information on functionality and known issues for other Oracle products that may be required for installation and proper functionality of this product, check the <u>Oracle Utilities Documentation</u> area on the Oracle Technology Network (OTN) web site (http://www.oracle.com/technetwork/apps-tech/utilities/documentation/index.html).

Software Requirements

- Oracle JDeveloper version is 11gR1 PS6 (11.1.1.7.0). Download JDeveloper 11.1.1.7 from OTN at http://www.oracle.com/technetwork/developer-tools/jdev/downloads/JDeveloper11117-1917330.html.
- Oracle Utilities Customer Self Service version 2.1 (OUCSS210.zip, available from the Oracle Software Delivery Cloud at edelivery.oracle.com).

- OUCSS Web Application: OUCSSWebApp210.zip, available from the <u>Oracle Utilities Documentation</u> area on the Oracle Technology Network (OTN) web site (http://www.oracle.com/technetwork/apps-tech/utilities/documentation/index.html).
- Application Server with ADF Runtime installed (see the <u>Oracle® Fusion Middleware Third-Party Application Server</u> <u>Guide</u> for information on the application servers supported by Oracle).
- MetaData Services.

Abbreviations

OUCSS	Oracle Utilities Customer Self Service
ССВ	Oracle Utilities Customer Care and Billing
MDM	Oracle Utilities Meter Data Management
NMS	Oracle Utilities Network Management System
MDS	Metadata Services
EAR	Enterprise Archive
OUCSS Web App	OUCSS Web Application
MW_HOME	Middleware Home
OUCSS_Product_Home	The folder in which the webcenter_WSS.zip file is extracted.

Chapter 2

Installation and Uninstallation

Installing on a WebLogic Server

Prerequisites

Oracle Utilities Customer Self Service Web Application depends on OUCSS Schema tables, OUCSS data sources, OUCSS Shared Libraries, OUCSS Security credentials and Mail Session, and OUCSS BPEL flows which are part of the Oracle Utilities Customer Self Service package. It also requires supported versions of Oracle Utilities edge applications as defined in Chapter 2, "Software Requirements", in the OUCSS 2.1.0 Installation Guide.

Installation Steps

- 1 Download <OUCSS-PortalInstall>.zip from the Oracle Software Delivery Cloud (edelivery.oracle.com) and extract into a target installation directory (e.g., /u01/Oracle/Products/OUCSS on Linux or D:\Oracle\Products\OUCSS on Windows).
- 2 Locate *webcenter_WSS.zip* in the installation folder and unzip the contents to <<MW_HOME>>/<<OUCSS_Product_Home>> subfolder.
- **3** Download OUCSSWebApp2.1.0.zip from the OTN and extract into a target installation directory (e.g., /u01/Oracle/Products/OUCSSWebApp on Linux or D:\Oracle\Products\OUCSSWebApp on Windows).
- 4 Copy CustomInstallBuild.xml and CustomUnInstallBuild.xml located under ./Deployables into <<OUCSS_Product_Home>>/ bin
- **5** Copy the ./OUCSSWebApp/Deployables/OUCSSWebApp_EAR.ear file into the ./<<OUCSS_Produce_Home>>/Install/application folder.
- 6 Create a **custom** folder under <<OUCSS_Product_Home>>/Install/DB/ and copy the ./Deployables/UpdateResource.sql file to the <<OUCSS_Product_Home>>/Install/DB/custom folder.

- 7 Apply the following procedures from the referenced sections of the OUCSS 2.1.0 Installation Guide:
 - A Perform all steps in the "Pre-Installation Tasks (Cluster or Standalone)" procedure in Chapter 2 of the *OUCSS Installation Guide*.

Notes:

- Enter server information for OUCSSWebApp under OUCSSPortal tags in InstallProperties.xml
- Since this install does not install OUCSS Mobile and OUCSSPortletProducer, in InstallProperties.xml, details under <oucssMobile></oucssMobile> and <oucssPortletProducer></oucssPortletProducer> can be left empty.
- **B** Perform all steps in the "Configuring Edge Applications" procedure in Chapter 2 of the *OUCSS 2.1.0 Installation Guide*.
- **C** Perform Steps 1 through 12 of the "Installing OUCSS Portal" procedure in Chapter 2 of the *OUCSS 2.1.0 Installation Guide*.

Important: After performing these procedures, check the logs to make sure there are no errors before proceeding.

- 8 Take a backup of the SS_RESOURCE and SS_CONFIGURATION table in the OUCSS Schema.
- **9** Run the following update command to update the SS_RESOURCE table.

On Linux:

```
ant -f CustomInstallBuild.xml UpdateWebAppData -
DInstallProperties=$PRODUCT HOME/config/InstallProperties.xml -l DBUpdateTask.log
```

On Windows:

```
ant -f CustomInstallBuild.xml UpdateWebAppData -
DInstallProperties=%PRODUCT HOME%\config\InstallProperties.xml -l DBUpdateTask.log
```

Important: After running the update command, check the logs to make sure there are no errors before proceeding.

- **10** Run the OUCSS Web Application installation command (shown below) to deploy the following OUCSS artifacts:
 - Security Credentials (CSF Keys)
 - extend.oucss.portal.war, OUCSS_Extension.war, OUCSS_Commercial_Extension.war as shared libraries in WebLogic.
 - If the property /oucssInstall/oucssApplication/oucssInbound/deploy is set to true in InstallProperties.xml then Install OUCSSInboundServices
 - Create Mail Session.
 - Create OUCSS data source
 - OUCSS Web Application

On Linux:

```
ant -f CustomInstallBuild.xml InstallWebApp -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -
DApplicationName=OUCSSWebApp -DApplicationVersion=2.1.0 -DEARFileName=OUCSSWebApp_EAR.ear
-1 InstallWebApp.log
```

On Windows:

```
ant -f CustomInstallBuild.xml InstallWebApp -
DInstallProperties=%PRODUCT_HOME%\config\InstallProperties.xml -
DApplicationName=OUCSSWebApp -DApplicationVersion=2.1.0 -DEARFileName=OUCSSWebApp_EAR.ear
-1 InstallWebApp.log
```

Important: After running the installation command, check the logs to make sure there are no errors before proceeding.

11 Perform the following Post-Installation checks as defined under **Post-Installation Checklist** in OUCSS Installation Guide - Chapter 2)

- Verify the OUCSS Schema tables
- Verify the OUCSS Data Source
- Verify the OUCSS Security Credential
- Verify OUCSS Shared Libraries, and Offers deployment
- Verify that OUCSS Mail Session is Created

12 Also perform the following verification:

- Verify through Weblogic console that OUCSSWebApp is created and is in Active state
- Verify tokenization of the CCB Edge Application wsdl using the OUCSSWebApp(v2.1.0) from Application Deployments in the Oracle Enterprise Manager
- 13 Log in to the Application using http://<WebappHost>:<WebAppPort>/OUCSSWebApp.

The following screen should appear:

ORACLE Utilities	\mathbf{O}
Home Login Register Reset Password Outage	
Login	
User Name	
Password	
Login Context Select a Context 💌	
Login	
Copy Rights	

- 14 Login with a registered user with Admin privileges.
- 15 Choose Admin>Labels>Actions>Reload Labels.

OR,	ACLE	Utilities									Welcome	WSSAdmin Logout 🔎
Home	Account List	Account Details	New Customer	Notifications	Outage	Forms Managemen	nt User	Profile	Old (Support	ted) Portlet	s Admin	
Custom	er Search Sy	stem Access	Edge Application	Labels Lar	nguage l	Line of Business L	ookups	Message	offers	Train	ecurity	

Li 🚰 Create	Description	
X Delete	Accept	
Show Query By Example	Access Role Maintenance	
	Type of Access	
Reload Labels	Access Role Code	
ACCESS_ROLE_LBL	Access Role	
ACCOUNT_ACCESS_LBL	Account Access	
ACCOUNT_ACTION_LBL	Action	
ACCOUNT_ADDRESS_INFO_UPDATED	Account Address Information updated.	

Copy Rights

16 Choose Admin>Lookup>Actions>Reload Lookups. Flush the cache after a successful Reload.

			gout
e Account List Account Deta	ails New Customer Notifications Outage Forms	anagement User Profile Old (Supported) Portlets Admin	
tomer Search System Access	s Edge Application Labels Language Line of Bus	ness Lookups Messages Offers Train Security	
Actions 🔻 🔮 🗶			
Create	Description	Active Lookup Value Count Lookup Value List	
💥 Delete	List of property values passed in the Context Info webservice	1 PRE_PAID;	(
Show Query By Example		1 PRE_PAID; 3 READ; UPDATE; ADD;	(
Show Query By Example	webservice		(
Show Query By Example	webservice Action	3 READ; UPDATE; ADD;	(
Show Query By Example Reload Lookups	webservice Action Allowed file types for attachment	3 READ; UPDATE; ADD; 8 PDF; TXT; DOC; JPG; JPEG; GIF; PNG; BMP;	(
Show Query By Example Reload Lookups Flush Cache	webservice Action Allowed file types for attachment en::BILL_ROUTE_TYPES	3 READ; UPDATE; ADD; 8 PDF; TXT; DOC; JPG; JPEG; GIF; PNG; BMP; 3 EMAIL; FAX; POSTAL;	

Copy Rights

17 Restart the WC_CustomPortal managed server.

See the OUCSS 2.1.0 Installation Guide for additional information regarding configuring BPEL flows and Edge applications.

UnInstalling the Web Application

- 1 Perform Step 1 from the procedure in Chapter 6, "Uninstalling OUCSS Portal, in the OUCSS 2.1.0 Installation Guide.
- 2 Run the command shown below to uninstall the following OUCSS artifacts:
 - Security Credentials Map
 - OUCSS Mail Session
 - · OUCSS Shared libraries and extend .oucss.portal, used to extend OUCSS Web App
 - OUCSS Web Application and corresponding MDS Partition
 - OUCSS datasource

On Linux:

```
ant -f CustomUnInstallBuild.xml UnInstallWebApp -
DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml -
DApplicationName=OUCSSWebApp -DApplicationVersion=2.1.0 -DEARFileName=OUCSSWebApp_EAR.ear
-1 UninstallWebApp.log
```

On Windows:

```
ant -f CustomUnInstallBuild.xml UnInstallWebApp -
DInstallProperties=$PRODUCT_HOME%/config/InstallProperties.xml -
DApplicationName=OUCSSWebApp -DApplicationVersion=2.1.0 -DEARFileName=OUCSSWebApp_EAR.ear
-1 UninstallWebApp.log
```

Check the logs to make sure there are no errors before proceeding

- **3** Perform Steps 3 through 5 in the "OUCSS Portal" procedure (in Chapter 6 of the *OUCSS 2.1.0 Installation Guide*) to delete the OUCSS Schema, restart managed servers, and remove Users and Groups.
- 4 Verify the uninstallation operation:
 - 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.lib (11.1.1, 11.1.1.7.0)
- extend.oucss.portal (11.1.1, 11.1.1*)
- OUCSSInBound (enterprise application)
- OUCSSWebApp(v2.1.0)
- **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** Verify that OUCSS DB User is dropped from the database.

Chapter 3

Extending the OUCSS Web Application Sample

This section explains the various components of the OUCSS Web application, and describes how to extend the component using the ExtendOUCSSPortal application.

This approach may require changes in a few configuration files, but does not otherwise modify the sample application so that future upgrades to the sample application are not impacted.

Alternatively, the sample web application itself can be modified using the same general steps described to extend ExtendOUCSSPortal.

To get started, download the OUCSSWebApp2.1.0.zip from OTN and extract the contents to a folder on your hard disk drive. Locate and open the the OUCSSWebApp.jws project in JDeveloper. JDeveloper's Application Navigator will display the following project Model and View:

Application Navigator	× 📜 Str	ucture	× _
OUCSSWebApp			- 🔁 -
✓ Projects	୍ ର 🖓	7-8	5 • I
Model [adc4110279.u	us.oracl	-]

Various components in the OUCSS web application are grouped in the following directory structure:

- Jspx pages : ./OUCSSWebApp/View/public_html/oracle/ugbu/ss/portal/pages/*
- Page template: ./OUCSSWebApp/View/public_html/oracle/ugbu/ss/portal/pages/template/OUCSSTemplate.jspx

- Managed beans: ./OUCSSWebApp/View/src/java/oracle/ugbu/ss/portal/backing/*
- Menu model: ./OUCSSWebApp/View/public_html/WEB-INF/oucss/*
- Page flows (Unbounded taskflows): ./OUCSSWebApp/View/public_html/WEB-INF/menu/*

To extend the application using ExtendOUCSSPortal, extract the contents of ExtendOUCSSPortal.zip located under <<<OUCSS_Portal_home>>/Install/application and open ExtendOUCSSPortal.jws in JDeveloper. The Application Navigator will show two projects (OUCSSPortalADFLibrary and OUCSSPortalSharedLibrary):

PApplication Navi × = Structure ×
ExtendOUCSSPortal
▽ Projects 💽 🗞 🍸 + 🗌
🕀 🐨 🛅 OUCSSPortalADFLibrary
OUCSSPortalSharedLibrary

ExtendOUCSSPortal has the following directory structure under OUCSSPortalADFLibrary to enable security on these taskflows and jspx:

- Create taskflows under \WEB-INF\oracle\ugbu\ss\custom\secure if access is to be restricted to authenticated users (e.g, logged-in users).
- Create taskflows under \WEB-INF\oracle\ugbu\ss\custom\public if the taskflows are to be accessible to all users (including public users).
- Create pages under \oracle\ugbu\ss\custom\pages\secure if the pages should be accessible only to authenticated users (e.g, logged-in users).
- Create pages under \oracle\ugbu\ss\custom\pages\public if the pages should be accessible to all users (including public users).

The permissions to these folders are already set up in jazn.xml of OUCSSWebApp.

Setting up JDeveloper for Development

Adding Shared Libraries to the Project

- 1 Locate *webcenter_WSS.zip* in the installation folder and unzip the contents to <<MW_HOME>>/<<OUCSS_Product_Home>> subfolder.
- 2 Extract <<OUCSS_Product_Home>>/Install/application/OUCSS_Extension.war and <<OUCSS_Product_Home>>/Install/application/OUCSS_Commercial_Extension.war into a folder.
- 3 Right click on View project > Project Properties > Libraries and ClassPath > Add Library.
- 4 Click New to add a new Library.
- 5 Enter a name for the New Library, For eg: ADF Library as shown below.
- 6 Click Add Entry and add the path to the folder containing the OUCSS jars.(<<OUCSS_Product_Home>>/Install/application/OUCSS_Extension/WEB-INF/lib/oracle.ugbu.ss.shared.*.jar and

<<OUCSS_Product_Home>>/Install/application/OUCSS_Commercial_Extension/WEB-INF/lib/oracle.ugbu.ss.shared.commercial.*.jar).

- 7 Ensure that the **Deployed by Default** box is checked.
- 8 Click OK.

🕹 Project Properties - C:\Subve	🕹 Create Library 💽	X
Search Project Source Paths ADF Model ADF Task Flow	Library Name: ADF Library Location: Project Degloyed by Default Class Path:	Customize Settings
····· ADF View ⊕··· Ant ⊕··· Business Components	Bource Path:	Cha <u>ng</u> e
Compiler Dependencies Deployment Size Andread		Add Li <u>b</u> rary <u>A</u> dd JAR/Directory
EJB Module Extension ⊕Javadoc Java EE Application		<u>R</u> emove
····· JSP Tag Libraries ····· JSP Visual Editor ····· Libraries and Classpath		Share As Move Up
Resource Bundle Run/Debug/Profile Technology Scope		Move Do <u>w</u> n
Help	Add Entry Add URL Remove Help OK Cancel	OK Cancel

Creation a File System Connection to the Taskflows Directory

If you want to build custom jspx pages that consume OUCSS taskflows, you can also create a File System connection to the directory containing the OUCSS taskflows. This lets you drag-and-drop taskflows to the jspx pages.

- 1 Using the JDeveloper Resource Palette, create a New File System connection as "OUCSS_Taskflows" with the Directory Path pointing to <<<OUCSS_Product_Home>>/Install/application/OUCSS_Extension/WEB-INF/lib.
- 2 Click Test Connection to validate.

Create File System Connection
Choose Application Resources to create a file system connection owned by and deployed with the current application (OUCSSWebApp.jws). Choose IDE Connections to create a connection that can be added to any application.
Create Connection in: Application Resources IDE Connections
Connection Name:
OUCSS_Taskflows
Directory Path:
;\product_home\Install\application\OUCSS_Extension.war\WEB-INF\ib
Test Connection
Help OK Cancel

3 Create another connection for OUCSS_Commercial_Taskflows with directory Path pointing to <<OUCSS_Product_Home>>/Install/application/OUCSS_Commercial_Extension/WEB-INF/lib.

Building an ADF Web Application

Managed Beans

Managed beans are Java classes which are used to store logic related either to the UI, a taskflow, or to an application in general. Managed beans, along with their properties and methods, can be referenced through EL expressions. They are registered to the application through configuration files.

The following are the managed beans in the OUCSS Web application that are referenced in the top level jspx pages, page templates, and menus:

- OUCSSNavigationBean
- OUCSSResourcesBean
- OUCSSSessionBean
- OUCSSErrorProxyBean

These beans handle various application-related logic such as user validation, getting resources, and handling navigation.

They are registered with the main unbounded taskflow (adfc-config.xml).

			🞇 I 🕐 🖥
🌭 Managed Beans			+ ×
Name * 🔺	Class *	Scope *	
root_menu	oracle.adf.view.rich.model.MDSMenuModel	request	
oucssNavigationBean	oracle.ugbu.ss.portal.backing.OUCSSNavigationBean	request	
oucssUserSessionBean	oracle.ugbu.ss.portal.backing.OUCSSSessionBean	session	
oucssSiteResourcesBean	oracle.ugbu.ss.portal.backing.OUCSSResourcesBean	session	1.
Managed Properties			+×
Name * 🔺	Class	Value	
	Name * root_menu oucssNavigationBean oucssUserSessionBean oucssSiteResourcesBean Managed Properties	Name * Class * root_menu oracle.adf.view.rich.model.MDSMenuModel oucssNavigationBean oracle.ugbu.ss.portal.backing.OUCSSNavigationBean oucssUserSessionBean oracle.ugbu.ss.portal.backing.OUCSSSRessionBean oucssSiteResourcesBean oracle.ugbu.ss.portal.backing.OUCSSResourcesBean Imaged Properties Imaged Properties	Name * Class * Scope * root_menu orade.adf.view.rich.model.MDSMenuModel request oucssNavigationBean orade.ugbu.ss.portal.backing.OUCSSNavigationBean request oucssUserSessionBean orade.ugbu.ss.portal.backing.OUCSSSRessionBean session oucssSiteResourcesBean orade.ugbu.ss.portal.backing.OUCSSResourcesBean session

Note: For more information on managed beans, registering with different configuration files, and a description of their scope within an application, see <u>Getting Started with Your Web Interface</u> in the Oracle® Fusion Middleware Fusion Developer's Guide for Oracle Application Development Framework documentation.

You can create your own managed beans in the OUCSSPortalADFLibrary project in the ExtendOUCSSPortal application within the proper package structure.

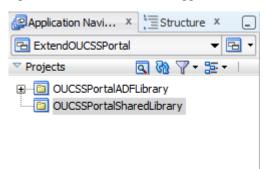
Look and Feel: Page Templates and Skins

The OUCSS Web application sample is packaged with OUCSSTemplate.jspx

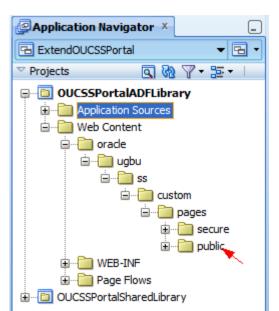
(./OUCSSWebApp/View/public_html/oracle/ugbu/ss/portal/pages/template/OUCSSTemplate.jspx), which is used to define the layout of the navigation model and the page content.

The default page template can be customized for a different look and feel, or a new page template can be created. To create a new template in the ExtendOUCSSPortal application:

1 Open the ExtendOUCSSPortal application in JDeveloper.



2 In OUCSSPortalADFLibrary, right-click the folder under oracle.ugbu.ss.custom.pages.public for which you would like the page template created. Click on New>JSF>JSF Page Template.



Categories: Items: Show All Descriptions General ADF Task Flow Applications ADF Task Flow Deployment Descriptors ADF Task Flow Based on Human Task Deployment Profiles ADF Task Flow Template Diagrams ADF Task Flow Template External Applications JSF Declarative Component Java JSF Page Projects JSF Page Flow and Configuration (faces-config.xml) XML JSF Page Fragment Web Tier Applet HTML ISF Page Template Launches the Create JSF Page Template wizard, in which you create the page template and configure it for use in the current project. JSF JSF Page Template Launches the Soption, you must select a project or a file within a project in the Application Navigator.	New Gallery All Technologies Current Project Techn This list is filtered according to the current Search	- 1	
	General Applications Connections Deployment Descriptors Deployment Profiles Diagrams External Applications Java Projects XML SOA Tier Applet HTML JSF JSP	ADF Task Flow ADF Task Flow Based on Human Task ADF Task Flow Template ADF Task Flow Template JSF Declarative Component JSF Page JSF Page JSF Page Flow and Configuration (faces-configuration) JSF Page Fragment JSF Page Template Launches the Create JSF Page Template wiza template and configure it for use in the current To enable this option, you must select a proje	ig.xml) ard, in which you create the page nt project.

- **3** Check the "Create Associated AdFm Page Definition" check box.
- 4 Click **OK** to open a wizard that lets you define various components of page template.

Create JSF Page Template	- ×
Creates a new JSF Page Template, and allows you to specify facet references as well as model and view parameters.	
Eile Name: NewPageTemplate.jspx	
Directory: \ExtendOUCSSPortal\OUCSSPortalADFLibrary\public_html\orade\ugbu\ss\custom\pages\public Brow	se
Page Template Name: NewPageTemplate	
Use a Quick Start Layout	
One Column (Stretched) Browse	
Create Associated ADFm Page Definition Facet Definitions Attributes Model Parameters	
Name Description	
Help OK Can	cel

Note: For more information on creating page templates see section 19.3.1, <u>How to Create a Page Template</u>, in the *Oracle*® *Fusion Middleware Web User Interface Developer's Guide for Oracle Application Development Framework*.

5 Update the SS_RESOURCE table if any of the Residential ,Commercial, or Default page templates are changed.

RESOURCE_CD	Description	
PORTAL_ST_COMMERCIAL Site Template to be used for Commercial Customers.		
PORTAL_ST_PUBLIC	Site Template to be used for Public Customers	
PORTAL_ST_RESIDENTIAL	Site Template to be used for Residential Customers	

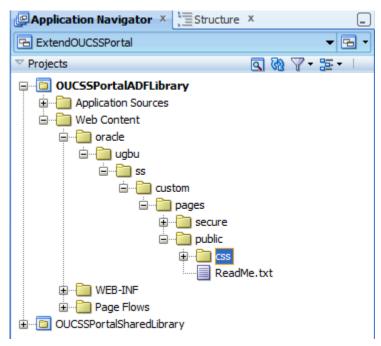
Note: The Resource table can also be changed through the Admin > Resources screen in OUCSS.

Applying Skins

A skin is a stylesheet based on CSS 3.0 which can be applied to entire application for consistent look and feel. OUCSS Web Application uses the default skin **skyros** provided by ADF 11.1.1.7. The skin used by the application is defined in trinidad-config.xml:

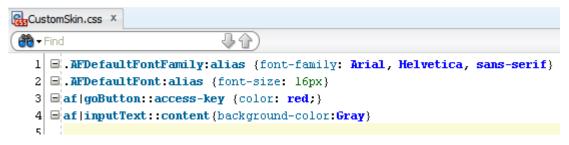
```
<?xml version="1.0" encoding="windows-1252"?>
<trinidad-config xmlns="http://myfaces.apache.org/trinidad/config">
<skin-family>skyros</skin-family>
<skin-version>vl</skin-version>
</trinidad-config>
```

You can create a custom skin by extending one of the skins provided by ADF Faces. To create a custom skin through the ExtendOUCSSPortal project, create a custom CSS file in a folder under the Web Content structure as shown in the following image:



The customization could then be implemented as follows:

1 Create a new CSS file named CustomSkin.css under .\ExtendOUCSSPortal\OUCSSPortalADFLibrary\public_html\oracle\ugbu\ss\custom\pages\public\css folder and edit it with the following CSS specifications:



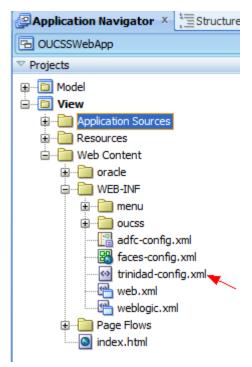
The basic steps required to add a custom skin are described in the topics, "How to Add a Custom Skin to an Application", "How to Register the XML Schema Definition File for a Custom Skin", and "How to Register a Custom Skin" in the <u>Oracle Fusion Middleware Web User Interface Developer's Guide for Oracle Application Development</u> <u>Framework</u> documentation (http://docs.oracle.com/cd/E28280_01/web.1111/b31973/af_skin.htm%23ADFUI331).

2 Create trinidad-skins.xml under META-INF as shown in the following image. This example extends the *skyros* skin from ADF.

The trinidad-skins.xml file would contain the following:



3 By opening the OUCSSWebApp application in JDeveloper, the trinidad-config.xml file could then be modified to reflect the new skin, as shown in the following images:



🐼 trin	nid	ad-config.xml ×
60-	Fin	
1		<pre><pre>%pxml version="1.0" encoding="windows-1252"?></pre></pre>
2		<pre>ctrinidad-config xmlns="http://myfaces.apache.org/trinidad/config"></pre>
3		
4		<skin-family>custom</skin-family>
5		<skin-version></skin-version>
6		

Note: For more information on how to add a custom skin, register a custom skin and use custom skin in the application, see "<u>Introduction to Skins, Style Selectors, and Style Properties</u>" in the *Oracle Fusion Middleware Web User Interface Developer's Guide for Oracle Application Development Framework* documentation.

Creating jspx Pages

OUCSSWebApp uses the OUCSSTemplate under

./OUCSSWebApp/View/public_html/oracle/ugbu/ss/portal/pages/template/* to structure the layout.

- 1 To create new jspx pages in ExtendOUCSSPortal application, open ExtendOUCSSPortal application in JDeveloper.
- **2** To create a new jspx page right-click on the folder in which you wish to create your jspx page in the OUCSSPortalADFLibrary project.
 - Create pages under \oracle\ugbu\ss\custom\pages\secure if the pages should be accessible only to authenticated users (e.g, logged-in users).
 - Create pages under \oracle\ugbu\ss\custom\pages\public if the pages should be accessible to all users (including public users).
- 3 Choose New>JSF>JSF Page on the folder you wish to create the new jspx pages.

ן 💼 🗒 🗶 י 🎔 ליי ו 🕄 🗒 🖆 ין		
Application Navigator ×	🍅 New Gallery	×
ExtendOUCSSPortal	All Technologies Current Project Techn	nologies
▼ Projects	This list is filtered according to the current	t project's selected technologies
 Projects ☐ OUCSSPortalADFLibrary ☐ Application Sources ☐ Web Content ☐ oracle ☐ ugbu ☐ ss ☐ custom ☐ pages ☐ secure ☐ wEB-INF ☐ WEB-INF ☐ OUCSSPortalSharedLibrary 	This list is filtered according to the current	t project's <u>selected technologies</u> .
	Help	OK Cancel

4 Enter the name and click **OK**.

🕹 Create JSF Page
Enter the name, directory, and choose a type for the JSF Page. Optionally reference a Page Template to include its content in this page, or apply a <u>Quick Start Layout</u> to add and configure an initial set of layout components.
Eile Name: custom_outage.jspx
Directory: ExtendOUCSSPortal\OUCSSPortalADFLibrary\public_html\oracle\ugbu\ss\custom\pages\secure
✓ <u>C</u> reate as XML Document (*.jspx)
Render in Mobile Device
Initial Page Layout and Content
Blank Page
○ Page Template Orade Three Column Layout ▼
O Quick Start Layout
One Column (Stretched)
Browse
E Page Implementation (UI components are not exposed in managed bean)
Help OK Cancel

5 Drag and Drop the required components from the Component Palette or taskflows from the shared libraries into the page.

Component Palette × Resources	х _
ADF Faces	•
6 0	\bigcirc
ADF Faces	
Common Components	
Sead Crumbs	<u>^</u>
Button	
💷 Calendar	
Carousel	
🖳 Carousel Item	
Tayout	~
Decorative Box	^
Document	
Grid Cell	
Grid Row	
Inline Frame	
Navigation Pane	
Panel Accordion	
🔁 Panel Border Layout	
Panel Box	
Panel Collection	
📰 Panel Dashboard	~
Operations	
	$\langle \cdot \langle \cdot \rangle \rangle$

6 Make sure the newly created jspx has a reference to the page template.

```
<?xml version='1.0' encoding='UTF-8'?>
<jsp:root xmlns:jsp="http://java.sun.com/JSP/Page" version="2.1"
          xmlns:f="http://java.sun.com/jsf/core"
          xmlns:h="http://java.sun.com/jsf/html"
          xmlns:af="http://xmlns.oracle.com/adf/faces/rich">
  <jsp:directive.page contentType="text/html;charset=UTF-8"/>
  <f:view>
    <af:document id="dl" title="Custom Outage">
     <af:form id="fl">
       <af:pageTemplate value="#(bindings.pageTemplateBinding.templateModel)" id="wssptl">
          <f:facet name="content">
            <af:panelGroupLayout id="pgll">
              <af:outputText value="Custom Jspx !!!!" id="otl"/>
            </af:panelGroupLayout>
        </f:facet>.
</af:pageTemplate>
      </af:form>
    </af:document>
  </f:view>
</jsp:root>
```

7 Update the SS_RESOURCE table if any new landing pages are created.

RESOURCE_CD	Description
PORTAL_LAND_COMMERCIAL	Landing page for Commercial Login for users with Multiple Accounts.
PORTAL_LAND_COMMERCIAL_SA	Landing page for Commercial Login for user with Single Account.
PORTAL_LAND_DEFAULT	Default Landing page if the context is not configured.
PORTAL_LAND_RESIDENTIAL	Landing page for Residential Login for users with Multiple Accounts.
PORTAL_LAND_RESIDENTIAL_SA	Landing page for Residential Login for user with Single Account.

Note: The Resource table can also be changed through Admin > Resources screen in OUCSS.

Creating Custom Taskflows

To create custom taskflows and pages using the extension project (ExtendOUCSSPortal), see steps 1-3 in the chapter "Extending the OUCSS Portal" in the *Customizing and Extending OUCSS Custom* Portals whitepaper (available for download in the Oracle Utilities Customer Self Service section of the Oracle Utilities Documentation area on the OTN web site at http://www.oracle.com/technetwork/apps-tech/utilities/documentation/index.html).

Consuming OUCSS Taskflows

To consume an OUCSS taskflow, drop the taskflow from the Resource Palette through to the jspx.

Example: Select the ViewAccountList taskflow from the Resource Palette and drop it on the jspx as a "Region", as shown in the following two images.

ly Catalogs	
IDE Connec	
	ICSS_Taskflows
	oracle.ugbu.ss.Admin.model_2.1.0.jar
_	oracle.ugbu.ss.Admin.view_2.1.0.jar
	oracle.ugbu.ss.base.acadinfo.model_2.1.0.jar
	oracle.ugbu.ss.base.acadinfo.view_2.1.0.jar
	oracle.ugbu.ss.base.accountphoneinfo.model_2.1.0.ja
	oracle.ugbu.ss.base.accountphoneinfo.view_2.1.0.jar
	oracle.ugbu.ss.base.acctcontextinfo.model_2.1.0.jar
_	oracle.ugbu.ss.base.acctsearch.model_2.1.0.jar
	oracle.ugbu.ss.base.acctsearch.view_2.1.0.jar
_	oracle.ugbu.ss.base.alerts.model_2.1.0.jar
	oracle.ugbu.ss.base.alerts.view_2.1.0.jar
	oracle.ugbu.ss.base.login.model_2.1.0.jar
	oracle.ugbu.ss.base.login.view_2.1.0.jar
9	ADF Task Flows
	Change Personal Information
	ChangePasswordTaskflow
	EmptyTaskFlow
	EnrollTaskflow
	EnrollWrapperTaskFlow
	ForgotPasswordTaskFlow
	ViewAccountList
. i 🗉	
	······································

After dropping the taskflow on the jspx, enter the parameters required for the taskflow as either static values or as an EL expression.

Edit Task Flow Binding			
Task Flow: Input Parameters Map: Input Parameters	/WEB-INF/com/oracle/ugbu/ss/base/enroll,	/view/taskflows/controller/	ViewAccountList.xml#ViewAccountList
Name webUserID viewAccountURL lob		Value	
* = Required			OK Cancel

Notes:

- Multiple taskflows can be dropped on to the same jspx page.
- When a library is added to the project for the first time, you must click "Add Library" in the JDeveloper confirmation popup.

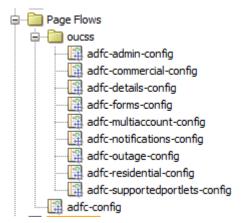
The following image shows AccountList.jspx source code after ViewAccountList and Enroll taskflows are dropped. Note that the created pages reference the page templates.



Navigation: Creating Menus and Page Flows

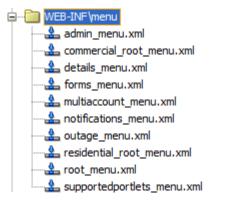
An unbounded taskflow is created for every main menu and sub menu item.

The following image shows the unbounded taskflows used in OUCSSWebApp.



An ADF menu is created for every unbounded taskflow created for navigation.

The following image shows the ADF Menus used in OUCSSWebApp:



The following image shows a sample structure for the residential_root_menu:

🛅 residential_root_menu.xml - Structure 🗴			
📌 🖻			
🖃 🗠 🚣 menu			
itemNode - itemNode_Home			
itemNode - itemNode_AccountList			
P sharedNode - #{details_menu}			
itemNode - itemNode_NewCustomer			
P sharedNode - #{notifications_menu}			
P sharedNode - #{outage_menu}			
P sharedNode - #{forms_menu}			
itemNode - itemNode_UserProfile			
P sharedNode - #{supportedportlets_menu}			
@ sharedNode - #{admin_menu}			

OUCSS Web App Menu	Unbounded Taskflow	ADF Menu
Public menu - Main	adfc-config.xml	root_menu.xml
Residential - Main menu	adfc-residential-config.xml	residential_root_menu.xml
Commercial- Main menu	adfc-commercial-config.xml	commercial_root_menu.xml
Admin - Sub menu	adfc-admin-config.xml	admin_menu.xml
Account Details - Sub menu	adfc-details-config.xml	details_menu.xml
Outage - Sub menu	adfc-outage-config.xml	outage_menu.xml
Notifications - Sub menu	adfc_notifications-config.xml	notifications_menu.xml
Old (Supported) Portlets-(Sub menu)	adfc-supportedportlets-config.xml	supportedportlets_menu.xml
Forms Management- Sub menu	adfc-forms-config.xml	forms_menu.xml
Multi Account(Commercial) - Sub menu	adfc-multiaccount-config.xml	multiaccount_menu.xml

The following table shows the mapping between OUCSS menus, the ADF menu item, and its corresponding unbounded taskflow.

To create custom Unbounded taskflows in an ExtendOUCSSPortal application:

- 1 Open the ExtendOUCSSPortal application in JDeveloper.
- **2** In the OUCSSPortalADFLibray project under WEB-INF, create a folder in which the unbounded taskflow is to be created.
- **3** Right-click the folder and choose New > Web tier > JSF > ADF Taskflow.

New Gallery					
This list is filtered according to the curren	- ,				
Categories: Applications Connections Deployment Descriptors Deployment Profiles Diagrams External Applications Java Projects XML SOA Tier Applet HTML JSF JSP Servlets All Items	Items: ADF Task Flow Creates a task flow source file whose contents define or part of the web application's unbounded task flow To enable this option, you must select a project or a Application Navigator. ADF Task Flow Based on Human Task ADF Task Flow Template SISF Declarative Component ISF Page ISF Page Flow and Configuration (faces-config.xml) ISF Page Template	w. a file within a project in the			
Help		OK Cancel			

4 Enter the name of the unbounded taskflow. Uncheck "Create as Bounded Taskflow" and press OK.

Create Task Flow		×
unbounded task flow. A bounded task flow ca	rce file whose contents define either a bounded task flow or part of the web application's an refer specifically to JSP pages or page fragments, but not both. You can also d task flow to be a train at this time.	
<u>File Name:</u>		
adfc-custom_outage_o	config.xml	
Directory:		
ExtendOUCSSPortal\0	UCSSPortalADFLibrary\public_html\WEB-INF\oucss B	rowse
Create as Bound	ded Task Flow	
Task Flow <u>I</u> D:	task-flow-definition	
Create with Pag	ge Fragments	
Cre <u>a</u> te Train		
Base on Templa	ite:	-
Update the	Task Flow when the Template Changes	
Help	ОК	Cancel

5 Drop the required jspx pages in this unbounded taskflows as a "View" Activity (e.g., custom_outage.jspx).

adfc-custom_outage_config.xml ×
🍭 🔍 100% 🛛 Show 🗸 🚺 🔨 🧻 😅 📙 🚯 🚷
Unbounded Task Flow
custom_outage

To create a custom ADF Menu Item in the ExtendOUCSSPortal application:

1 To create the corresponding ADF Menu item, right click on the adfc-custom_outage-config.xml and choose Create ADF Menu Model.

Application Navigator ×	Structure	х		_		
ExtendOUCSSPortal						
✓ Projects		ର ଉ	∇	· 55 • 1		
OUCSSPortalADFLibrary Application Sources Web Content Web Content WEB-INF WEB-INF oracle oracle and oracl	ı.xml fig.xml ıl	config.xm	× 5	<u>Open</u> Exclude Proj Delete Reformat Validate XM Make Reb <u>u</u> ild Run (Workir De <u>b</u> ug (Wor Compare W Replace <u>W</u> it <u>Create ADF</u>	ng <u>S</u> et) rking Set) 'it <u>h</u>	Ctrl+Alt-L Ctrl+Shift-F9 Alt+Shift-F9 Ctrl-F11
				Crea <u>t</u> e Portl	et Entry	
			_		-	

2 Enter the name and click **OK**.

Create ADF Menu Model		EX
Create a menu model from scratch, in an ADF Face	s faces-config.xml file, or from an existing unbounded	d task flow in an ADFc application.
Eile Name: custom_outage_menu		
Directory:		
ExtendOUCSSPortal\OUCSSPortalADFLibrary\public	c_html\WEB-INF\menu	Browse
Create ADF Menu Model		
• From Existing Unbounded Task Flow	adfc-custom_outage_config.xml	•
Help		OK Cancel

Application Navigator × 🔚 Structure ×	Acustom_outage_menu.xml ×
ExtendOUCSSPortal 🗸 🕞	· · · · · · · · · · · · · · · · · · ·
🗢 Projects 💽 🕅 🖓 🕶 🖽 🗸 🗌	1 xml version="1.0" encoding="windows-1252" ?
□ 0UCSSPortalADFLibrary	2 cmenu xmlns="http://myfaces.apache.org/trinidad/menu">
🛓 🖓 🧰 Application Sources	3 🗉 <itemnode <="" id="itenNode_custom_outage" label="label_custom_outage" td=""></itemnode>
😑 🛅 Web Content	4 action="adfMenu_custom_outage" focusViewId="/custom_outage"/>
🗄 📲 oracle	5
😑 📲 WEB-INF	6
🚊 🧰 menu	
custom_outage_menu.xml	
custom_residential_root_menu.xml	
readme.txt	
🕀 📲 oracle	
🗊 📲 oucss	
weblogic.xml	
🚊 💼 Page Flows	
🗄 🔚 OUCSSPortalSharedLibrary	

The following image represents the adfc-custom_outage-config.xml:



Note: For more information on creating itemNode, sharedNodes, and groupNodes, see <u>Using a Menu Model to Create a</u> <u>Page Hierarchy</u>" in the *Oracle*® *Fusion Middleware Web User Interface Developer's Guide for Oracle Application Development Framework* documentation.

3 Update SS_RESOURCE table if any of the Residential or Commercial main menus are changed.

RESOURCE_CD	Description
PORTAL_NAV_COMMERCIAL	Navigation Model URL for Commercial Customers
PORTAL_NAV_PUBLIC	Navigation Model URL for Public Customers
PORTAL_NAV_RESIDENTIAL	Navigation Model URL for Residential Customers

Note: The Resource table can also be changed through the Admin>Resources screen in OUCSS.

Security

OUCSSWeb application are secured using the Oracle ADF Security framework. Oracle ADF Security is built on top of the Oracle Platform Security Services (OPSS) architecture.

Two Enterprise roles–WSSAdminGroup and WSSCSRGroup–are created to allow users belonging to these roles to have access to Admin and CSR modules.

Security configurations are stored in jazn-data.xml, web.xml, adf-config.xml, jps-config.xml, and weblogic.xml.

The following snapshot of jazn-data.xml shows the resources available to the authenticated user and public user. You can access it by right-clicking on OUCSSWebApp in **Application navigator>Secure>Application Roles**.

💾 jazn-data.xml 🗴							
						2	
Users Enterprise Roles Application Roles	Application Roles Create roles that are specific to	Security Polic	y: OUCSSWebApp ▼				
Resource Grants	Role Name)					
Entitlement Grants	Roles 🕂 🕂 💥	Name:	authenticated-role				
	authenticated-role	Resources an Resource oracle.ugbu.s /WEB-INF/cor oracle.ugbu.s /WEB-INF/ora	authenticated-role Grants If Type d Entitlements s.portal.pages.* n/spratel.ugbu/ss/.* s.portal.ommercial.pages.* de/ugbu/ss/custom/secure/.* s.custom.pages.secure.*	Type RegionPermiss TaskFlowPerm RegionPermiss TaskFlowPerm RegionPermiss	ission view sion view ission view		
Overview Source Hist	ory <					>	
∰jazn-data.xml ×						(
Users Enterprise Roles Application Roles	Application Roles Create roles that are specific to t	he application. A	dd users or enterprise roles as members.		Security Policy:	: OUCSSWebApp 🔻	
Perource Grants	(🏦 Role Name)	Role Name					

Enterprise Roles	Application Roles Security Policy: UUCSSWebApp •				
	Create roles that are specific to	the application.	Add users or enterprise roles as members.		
Application Roles	(A6)	\[
Resource Grants	🔞 Role Name)			
Entitlement Grants	Roles 🐥 🛠 Name: anonymous-role				
	Image: Second				
		Description;			
		Mappings	Grants		
		mappings	Grants		1
		(馣 Name	or Type		
		Resources a	nd Entitlements		
		Resource		Туре	Actions
		/WEB-INF/or	acle/ugbu/ss/custom/public/.*	TaskFlowPermission	view
		oracle.ugbu.	ss.custom.pages.public.*	RegionPermission	view
		oracle.ugbu.	ss.portal.pages.template.OUCSSTemplatePageDef	RegionPermission	view
		oracle.ugbu.	ss.portal.pages.public.*	RegionPermission	view
		OUCSSTaskfl	owTemplate	TaskFlowPermission	view
		Register		TaskFlowPermission	view
		ForgotPassw		TaskFlowPermission	view
		OutageTaskf		TaskFlowPermission	view
		ReportOutag		TaskFlowPermission	view
			ss.portal.pages.outage.OutageTablePageDef	RegionPermission	view
			ss.portal.pages.outage.OutageMapPageDef	RegionPermission	view
			ss.portal.pages.outage.ReportPublicOutagePageDef	RegionPermission	view
		LoginTaskflov		TaskFlowPermission	view
			ugbu/ss/billing/offers/view/taskflows/*	TaskFlowPermission	view
			ss.portal.pages.login.LoginPageDef	RegionPermission	view
			ss.portal.pages.common.HomePageDef	RegionPermission	view
			s.shared.view.template.OUCSSPortletTemplatePageDef	RegionPermission	view
		/oracle/adfin	ternal/pageeditor/.*	TaskFlowPermission	view
Overview Source His	tory <				>

Note: For more information on enabling security in an ADF application, see "<u>Enabling ADF Security in a Fusion Web</u> <u>Application</u>" in the Oracle® Fusion Middleware Web User Interface Developer's Guide for Oracle Application Development Framework documentation.

Testing and Deployment

All testing and deployment requires that WEB-INF/weblogic.xml contains references to the com.oracle.ugbu.ss.lib, com.oracle.ugbu.ss.commercial.lib, and extend.oucss.portal shared libraries, as shown in the following image.

plication ntainer	Libraries			4 >
ectories	Library Name 🔺	Specification Version	Implementation Version	Match Version Exactly
Р	com.oracle.ugbu.ss.lib			false
oraries	com.oracle.ugbu.ss.commercial.lib			false
ferences	extend.oucss.portal			false
curity				
rvlets				
ssion				
ork Priority				

Testing the Integrated WebLogic Server in JDeveloper

Pre-testing Checklist

Before running on the Integrated WebLogic server, check that all of the following files, libraries, datasources, mail sessions, keys, and users are in place.

- Ensure that the following shared libraries are deployed on the Integrated WebLogic server:
 - <OUCSS_Product_home>>\ Install\application\OUCSS_Extension.war
 - <OUCSS_Product_home>>\ Install\application\OUCSS_Commercial_Extension.war
 - <OUCSS_Product_home>>\ Install\application\extend.oucss.portal.war

Note: If any new extensions are added to OUCSSPortalADFLibrary project of ExtendOUCSSPortal application, then a new extend.oucss.portal.war must be generated and deployed. For details see the procedure in the "Deploying the extend.oucss.portal.war as Shared Library" chapter of the *Customizing and Extending OUCSS Custom Portals* whitepaper available at http://www.oracle.com/technetwork/apps-tech/utilities/documentation/index.html.

• Check that the OUCSSDS datasource is created and that it points to the OUCSS schema where the OUCSS tables are created.

Dat	Data Sources (Filtered - More Columns Exist)						
Ne	New > Delete Showing 1 to 3 of 3 Previous Next						
	Image: Name ↔ Type JNDI Name Targets						
	mds-CustomPortalDS	Generic	jdbc/mds/CustomPortalDS	CSSServer			
	mds-owsm	Generic	jdbc/mds/owsm	AdminServer, CSSServer			
	OUCSSDS	Generic	jdbc/OUCSSDS	CSSServer			
Ne	New Delete Showing 1 to 3 of 3 Previous Next						

• Check that the OUCSS Mail Session is created.

Mail Sessions

Ne	Clone	Delete		
	Name 🚕	Properties		
	OUCSS	mail.smtp.port=25		
New Clone Delete				

• Check that the WSSAdminGroup and WSSCSRGroup groups are created

Ne	New Delete Showing 1 to 10 of 12 Previous Next				
	Name 🕎	Description	Provider		
	AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator		
	Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator		
	AppTesters	AppTesters group.	DefaultAuthenticator		
	CrossDomainConnectors	CrossDomainConnectors can make inter-domain calls from foreign domains.	DefaultAuthenticator		
	Deployers	Deployers can view all resource attributes and deploy applications.	DefaultAuthenticator		
	Monitors	Monitors can view and modify all resource attributes and perform operations not restricted by roles.	DefaultAuthenticator		
	Operators	Operators can view and modify all resource attributes and perform server lifecycle operations.	DefaultAuthenticator		
	OracleSystemGroup	Oracle application software system group.	DefaultAuthenticator		
	WSSAdminGroup		DefaultAuthenticator		
	WSSCSRGroup	CSR Group	DefaultAuthenticator		

• Check that WSSAdmin and WSSCSR users are created.

New Delete Showing 1 to 4 of 4 Previous Next			
	Name 🖚	Description	Provider
	OracleSystemUser	Oracle application software system user.	DefaultAuthenticator
	weblogic	This user is the default administrator.	DefaultAuthenticator
	WSSAdmin 💘	OUCSS Admin	DefaultAuthenticator
	WSSCSR		DefaultAuthenticator
New Delete Showing 1 to 4 of 4 Previous Next			

- Check that the CSF-Keys are created on the WebLogic server:
 - OUCSS_XAI_BASIC_KEY To connect to CCB web services
 - OUCSS_INTG_BASIC_KEY To connect to BPEL web services
 - OUCSS_OUNC_BASIC_KEY To connect to Notification web services

If any or all of the keys are missing, they can be created on an Integrated WebLogic server through wlst commands:

• Connect to Integrated WebLogic server with the following wlst command:

connect("<<username>>","<<password>>","http://<<IntegratedWebLogic server>>:<<port>>")

• Run following wlst commands for each key:

```
createCred(map='oracle.wsm.security', key='<key name>', user='<user name>',
password=<password>')
```

• Check that connections.xml is detokenized to point to the respective CCB and SOA servers.

Tokens	Interpretation		
OUNMSHOST:OUNMSPORT	SOA server name and port that host BPEL service that connects to NMS		
OUMDMHOST: OUMDMPORT	SOA server name and port that host BPEL service that connects to MDM		
OUNCHOST:OUNCPORT	SOA server name and port that host BPEL service related to Notifications		
CCBorSOAHOST:CCBorSOAPORT	CCB server name and port or SOA server name and port to		

	connect to optional BPEL flows
CCBorNMSHOST: CCBorNMSPORT	CCB server name and port or SOA server name and port that host BPEL service that connects to NMS
mapViewerHOST:mapViewerPORT	Map View connection
OfferServiceConditionHost:OfferServiceConditionPort	Server name and port where Offers service is deployed

Running the Test

In JDeveloper, open the OUCSSWebApp project by right-clicking on index.html and choosing Run.

Application Navig	jator	× Estructure ×		_
DUCSSWebApp				- 🖻 -
✓ Projects			ି ରେ 🔎	∀・≌・ ∣
 Projects Model [adc411 View [adc4110 Application Resources Web Cont Web Cont WEB-1 WEB-1 WEB-1 MEB-1 MEB	279.u Sourd ent NF Flows	s.oracle.com]		
	<u>F</u>	<u>R</u> eformat Find Usages Refa <u>c</u> tor	Ctrl+Alt-L Ctrl+Alt-U	
	1 🐌 1 🌮 1 0	Run (Wor <mark>king Set)</mark> De <u>b</u> ug (Working Set) Update <u>V</u> ersioning Compare Wit <u>h</u> Replace <u>W</u> ith	Ctrl-F11	

The test is successful if the default browser page opens:

ORACLE Utilities	0
Home Login Register Reset Password Outage	
Home Page!	
Copy Rights	

Deploying to a Standalone WebLogic Server Using JDeveloper

The EAR file can also be deployed to a Standalone WebLogic server from JDeveloper.

To faciliate deployment a number of required artifacts must be installed on the Standalone WebLogic server. For a checklist of the artifacts, see the "<u>Pre-testing Checklist</u>" topic elsewhere in this document.

To deploy to a standalone WebLogic server:

- 1 Ensure that the WC_CustomPortal managed server is up and running.
- 2 In JDeveloper, open the Resource Palette window. Under IDE Connections, create a new connection to your Standalone WebLogic server.

Resource Palette	х			
😭 🕶 🎆 🕶 Name				۷
My Catalogs				
IDE Connections				
🖃 🚽 Application Serve	er -			1
		New Application Server Con	nection	
🗄 🖟 🙀 File System	_			
		<u>F</u> ilter		
		Advanced Search		
	60	<u>R</u> efresh	Ctrl-R	
		E <u>x</u> port		
	_			

A wizard opens.

خ Create Application Server Connection - Step 1 of 5		
Name and Type	010101010101010101010	
🔍 Name and Type	Specify a unique name and type for the connection. The name must be a valid Java identifier.	
Authentication Configuration	Create connection in: Resource Palette	
U Test	Connection Name:	
U Finish	StandaloneDev	
	Connection Type: WebLogic 10.3	
Help	< <u>Back</u> <u>N</u> ext > <u>Finish</u> Cancel	

- **3** Follow the wizard to provide the appropriate connection information for the Standalone WebLogic server. In this example, the connection name is **StandaloneDev**.
- **4** Test the connection:
- 5 In the JDeveloper Application Navigator, right-click the application name and choose **Deploy>Select the deployment profile>Deploy to Application Server>Next**.

👌 Deploy OUCSSWebApp_	EAR 💌
Deployment Action	01010101010101010101010
Deployment Action	Select a deployment action from the list below.
Summary	Deploy to Application Server Deploy to EAR Create an archive and deploy it on a remote Application Server.
Help	< Back Next > Finish Cancel

6 Select the name of the connection ("StandaloneDev" in this example) to deploy the application.

🎃 Deploy OUCSS_WebApp	p_WAR		—
Weblogic Options		01010101010101010	
Deployment Action Select Server Weblogic Options	Indicate which server instances to Deploy to <u>all</u> instances in the d Deploy to <u>selected</u> instances in List Standalone Servers ar	lomain n the domain	◯ List All Servers
O Summary	Name AdminServer CSSServer This module can optionally be regis Deploy as a standalone Applica Deploy as a shared Library 	Servers stered as a shared library	Status RUNNING RUNNING
Help] (, ,	< <u>B</u> ack <u>N</u> ext	> Einish Cancel

7 Test the application by invoking http://<<Standalonehost>>:<<StandalonePort>>/OUCSSWebApp.

🎯 Deploy OUCSS_WebApp	y_WAR
Select Server	
Deployment Action	Application Servers:
😠 Select Server	IntegratedWebLogicServer
Weblogic Options	StandaloneDev
Summary	
	✓ Overwrite modules of the same name
Help	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel

Deploying to a Standalone WebLogic Server Through WebLogic Enterprise Manager (EM)

OUCSS Web Application comes with a default deployment profile named OUCSSWebApp_EAR. If any modifications are made to the OUCSSWebApp, this deployment profile can be used to generate the ear archive file for deployment on an application.

You can also create a new deployment profile as follows:

- 1 Right click on OUCSSWebApp>Application Properties>Deployment>New.
- 2 Select EAR file as the Archive Type, enter the name of the archive, and click OK.

Application Properties - C:\Subversion_Code\SPL\SS\2.1.0\portlet_applications\Portals\OUCSSWebApp\OUCSSWebA 🔯							
💏 Search	Deployment						
Application Content Customization Libraries Deployment Repository Resource Bundles Run WS Policy Store	Create Deployment Profile						
	EAR File Name: OUCSSWebAppEAR Description: Creates a profile for deploying the Java EE enterprise archive (EAR) file to an application server. The EAR file consists of the application's assembled WAR, EJB JAR, and client JAR files.						
	Help OK Cancel						
Help	OK Cancel						

😂 Application Properties - C:\Su	version_Code\SPL\SS\2.1.0\portlet_applications\Portals\OU(CSSWebApp\OUCSSWebA 💌
	Deployment	
 Application Content Customization Libraries Deployment Repository Resource Bundles Run WS Policy Store 	 Use <u>Custom Settings</u> Use Application Settings Deployment Profiles: OUCSSWebApp_EAR (EAR File) ✓ <u>A</u>uto Generate and Synchronize weblogic-jdbc.xml Description Security Deployment Options Decide whether to overwrite the following security objects deployed. ✓ Application Policies <u>Q</u>redentials Decide whether to migrate the following security objects. ✓ Users and <u>G</u>roups 	
Help	(OK Cancel

Note: See <u>Deploying Fusion Applications</u> in the Oracle® Fusion Middleware Fusion Developer's Guide for Oracle Application Development Framework documentation for additional information on creating deployment profiles and deploying to Application servers.

Deploying on a Standalone WebLogic server through EM assumes required artifacts and a managed server are already installed as described in <u>Installing on a WebLogic Server</u>.

For a checklist of the artifacts, see the "Pre-testing Checklist" topic in this document.

Note: If any new extensions are added to the OUCSSPortalADFLibrary project of ExtendOUCSSPortal application, a new extend.oucss.portal.war must be generated and deployed. See the steps in the chapter "Deploying the extend.oucss.portal.war as Shared Library" chapter in the *Customizing and Extending OUCSS Custom Portals* whitepaper, available in the OUCSS section of the OTN web site at http://www.oracle.com/technetwork/apps-tech/utilities/documentation/index.html.

- **3** Deploy to an EAR archive file as follows:
 - A Select OUCSSWebApp application from the Application Navigator.
 - B Right-click on OUCSSWebApp>Deploy>OUCSSWebApp_EAR.

Application Navigator × 📜 Structure ×							
OUCSSWebApp							
✓ Projects		New <u>P</u> roject					
Model [adc41 ⊕…⊊] View [adc411		<u>N</u> ew <u>O</u> pen Project	Ctrl-N				
C *3 [Close Application					
	×	Delete Application					
	_	Rename Application		_			
	60	Find Application Files					
		Show Overview					
	Y	Filter Application					
		<u>S</u> ecure	•				
		Deploy	Þ		OUCSSWebApp_EAR		
	L	<u>R</u> eformat	Ctrl+Alt-L		 OUCSSWebApp_EAR to IntegratedWebLogicServer 		
		Organ <u>i</u> ze Imports	Ctrl+Alt-O	Ļ	2 OUCSSWebApp_EAR to EAR file		
	-	Commit Working Copy		-			
Versioning Compare With		•					
		Compare Wit <u>h</u>	•				
		Replace <u>W</u> ith	•				
		Application Properties		_			

- 4 Ensure that the WC_CustomPortal managed server is up and running.
- 5 Log in to WebLogic Server EM with admin credentials (wlsadminuser/wlsadminpw).
- 6 Expand WebLogic Domain>portal_domain.
- 7 Right click on WC_CustomPortal(managed server)>Application Deployment>Deploy.
- 8 Follow the wizard to deploy the generated EAR file, specifying the MDS partition names.
- **9** To test the application, invoke http://<<Standalonehost>>:<<StandalonePort>>/OUCSSWebApp.