



# Oracle WebCenter Content Upgrade

## Part 1: Install and Configure WCC 11.1.1.9

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Weblogic Server Architecture: <https://youtu.be/gNqeIfLjUqw>



# Oracle Webcenter Content 11G (11.1.1.9.0) Installation

## High Level Steps:

- ❖ Download Weblogic 10.3.6.0
- ❖ Download Webcenter 11.1.1.9.0
- ❖ Download Repository Creation Utility 11.1.1.9.0
- ❖ Install certified java (1.6\_40 in this Lab)
- ❖ Install Weblogic Server
- ❖ Install Webcenter Content
- ❖ Create DB Schemas (Using RCU)
- ❖ Create Domain
- ❖ Start and Test Services
- ❖ Clustered Environment Configuration
- ❖ Install and Configure Web UI

## Download

Download Weblogic 10.3.6.0, Webcenter 11.1.1.9.0 and Repository Creation Utility (RCU) 11.1.1.9.0 from <https://edelivery.oracle.com>

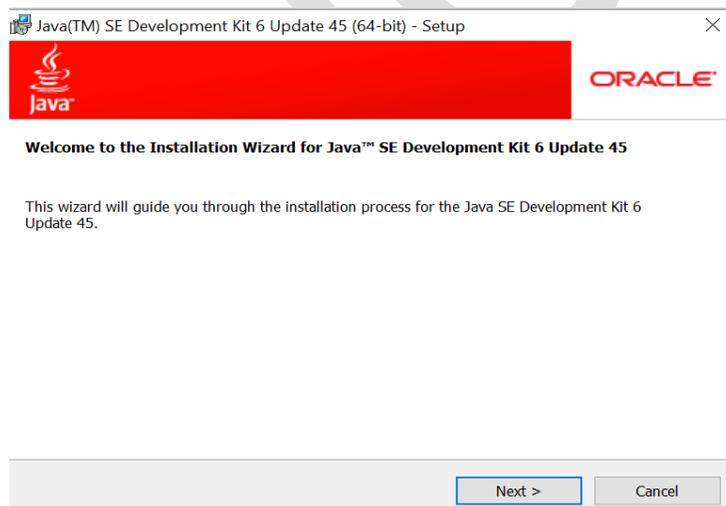
Search for below text:

- ❖ Oracle WebCenter Content 11.1.1.9.0
- ❖ Oracle WebLogic Server 10.3.6.0.0
- ❖ Oracle Fusion Middleware Repository Creation Utility 11.1.1.9.0

Download 1.6 java from <https://www.oracle.com/in/java/technologies/javase-java-archive-javase6-downloads.html>

## Install Certified Java

Windows: double click on installer -> jdk-6u45-windows-x64.exe

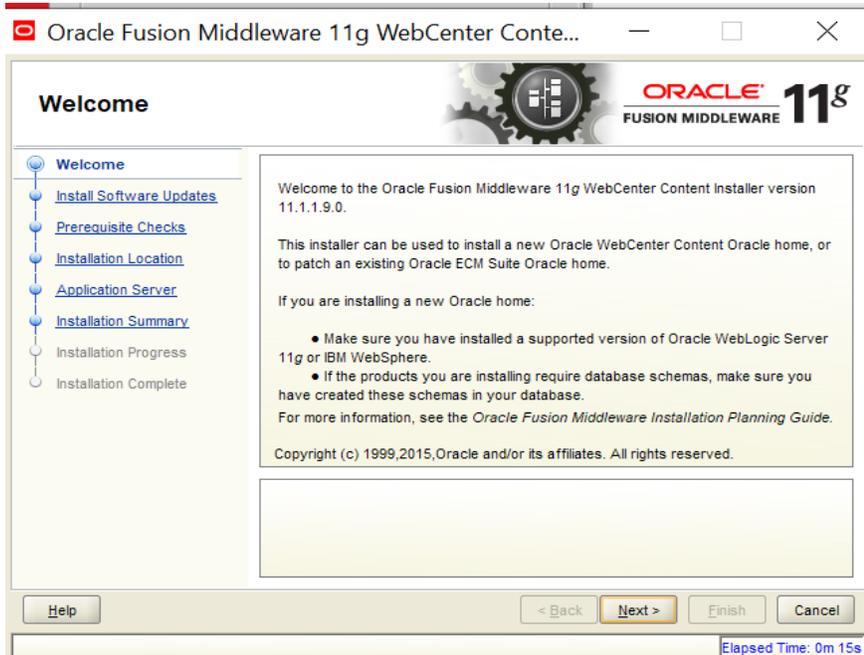


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## Install Webcenter Content

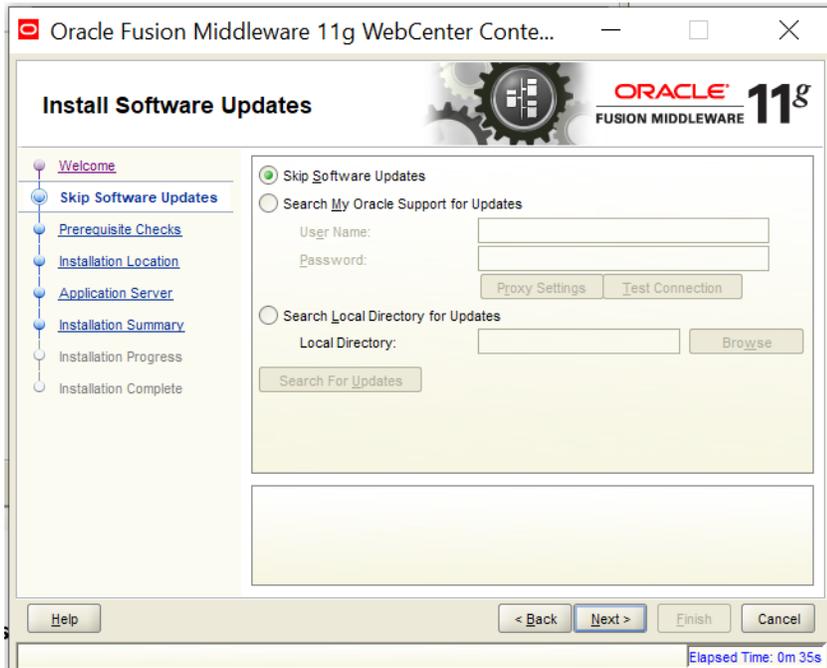
Initiate installer: C:\Software\WCC\11g\V75852-01\_1of2\Disk1\

`setup.exe -jreLoc C:\java\jre`

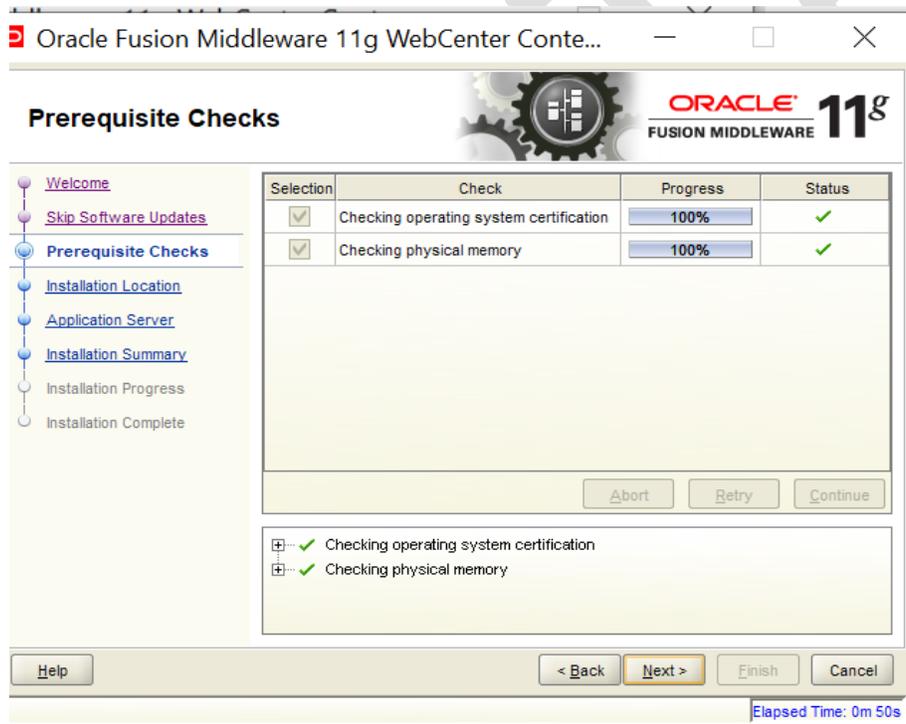


Go with default skip software updates and click next

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It will take some time to validate certification, one done click next



**Create DB Schemas**

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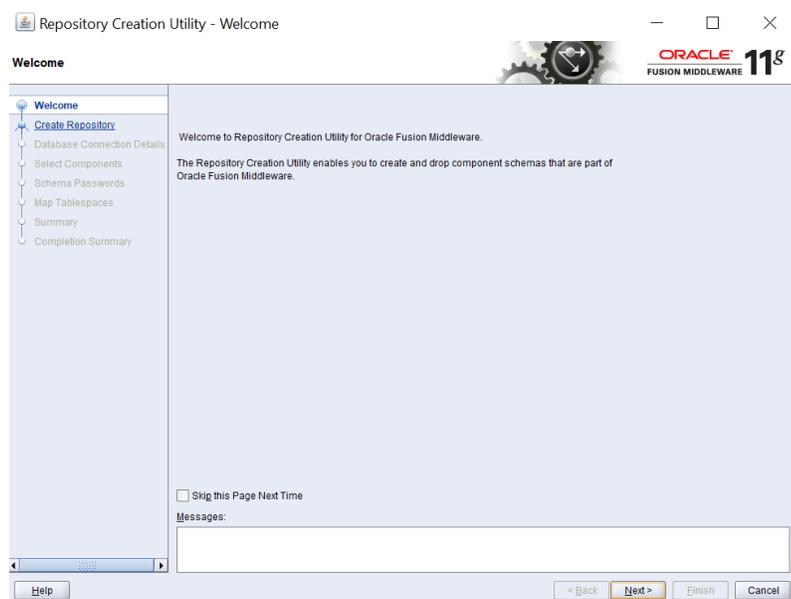
Make sure your database is up and running and you have a valid username and password with admin privilege.

## Run RCU

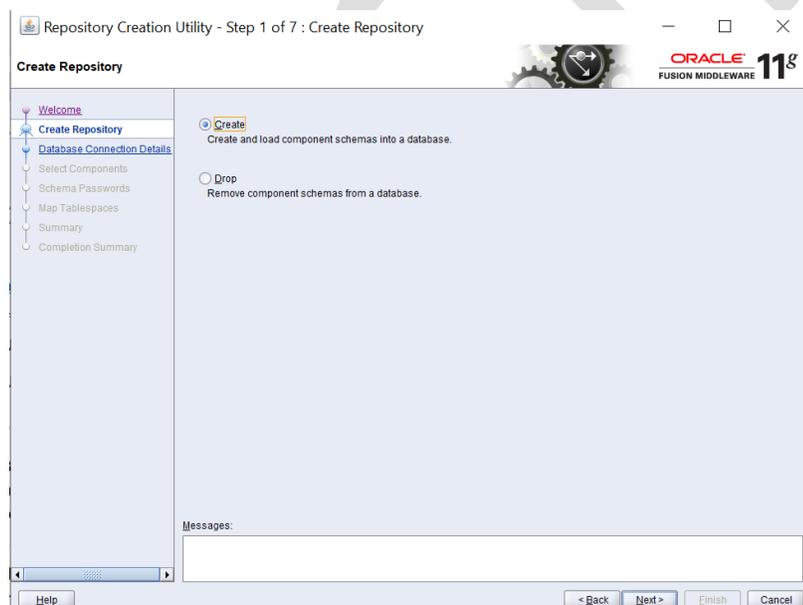
Windows: C:\Software\WCC\11g\V75908-01\rcuHome\BIN\rcu.bat

Unix based: ./rcu.sh

Click Next



Select option Create and click next



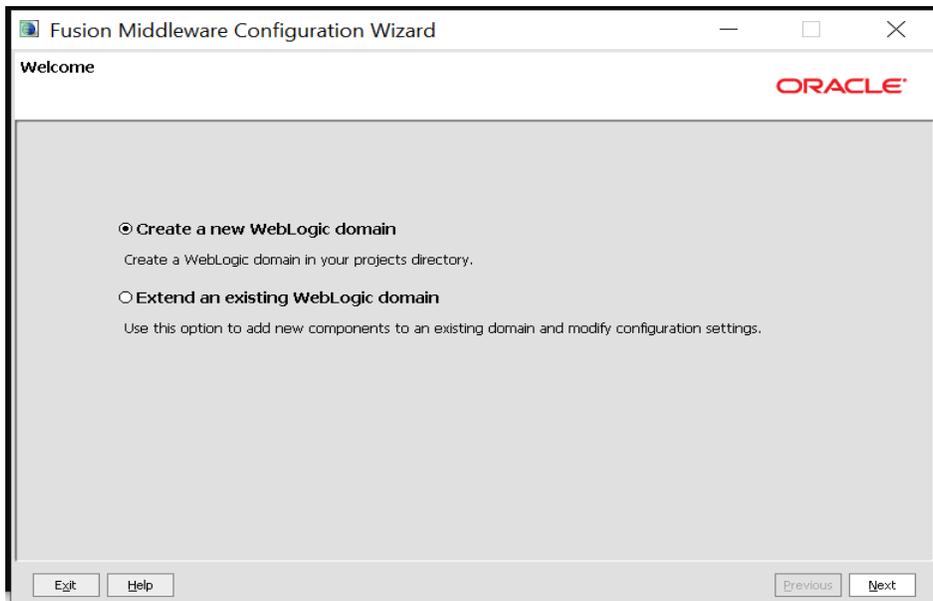
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## Create Domain

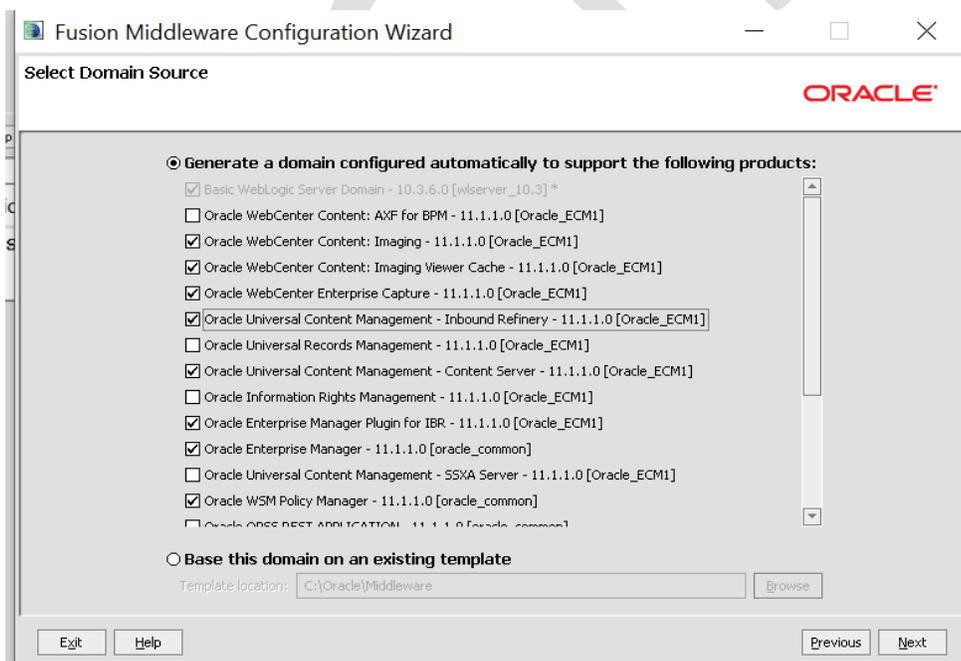
Go to C:\oracle\Middleware\oracle\_common\common\bin and start wizard using config file

**Windows:** config.cmd

**Unix Based:** ./config.sh

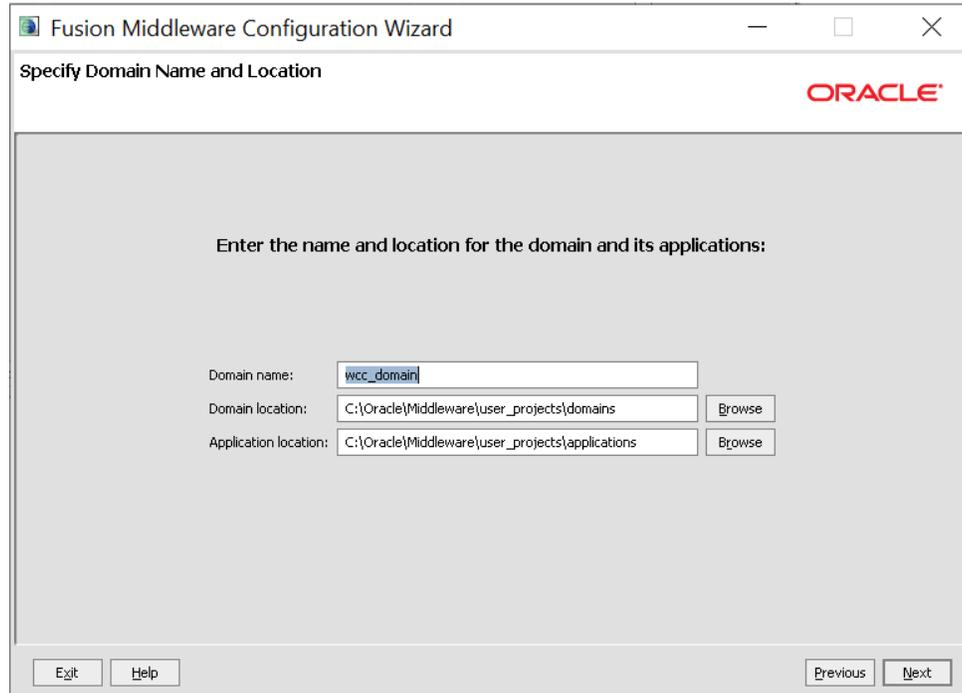


Select Imaging, Capture, Inbound Refinery and Content Server templates



Enter a suitable name for domain and desired location

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## Start Services (Servers and Node Manager)

Note – In Unix based system script name will be ended with .sh.

### Start Node Manager

Go to `C:\oracle\Middleware\wlserver_10.3\server\bin`

Windows: `startNodeManager.cmd`

Unix Based: `./startNodeManager.sh`

Make sure below line displayed at last –

**INFO: Secure socket listener started on port 5556**

### Start Admin Server

Go to `C:\oracle\Middleware\user_projects\domains\wcc_domain\bin`

Windows: `startWebLogic.cmd`

Unix Based: `./startWebLogic.sh`

In production mode of domain it will prompt you for username and password (till you crated boot.properties file manually)

You will see below message once server started successfully.



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<Notice> <WebLogicServer> <BEA-000360> <Server started in RUNNING mode>

**Run setNMProps.cmd|sh**

Go to C:\oracle\Middleware\oracle\_common\common\bin

Windows: setNMProps.cmd

Linux: ./setNMProps.sh

**Check admin console**

## Access and Test URL's

Admin Console:

<http://localhost:7001/console>

EM URL:

<http://localhost:7001/em>

CS URL:

<http://localhost:16200/cs/>

IBR URL:

<http://localhost:16250/ibr>

IPM URL:

<http://localhost:16000/imaging>

CAPTURE URL's:

<http://localhost:16400/dc-client>

<http://localhost:16400/dc-console>

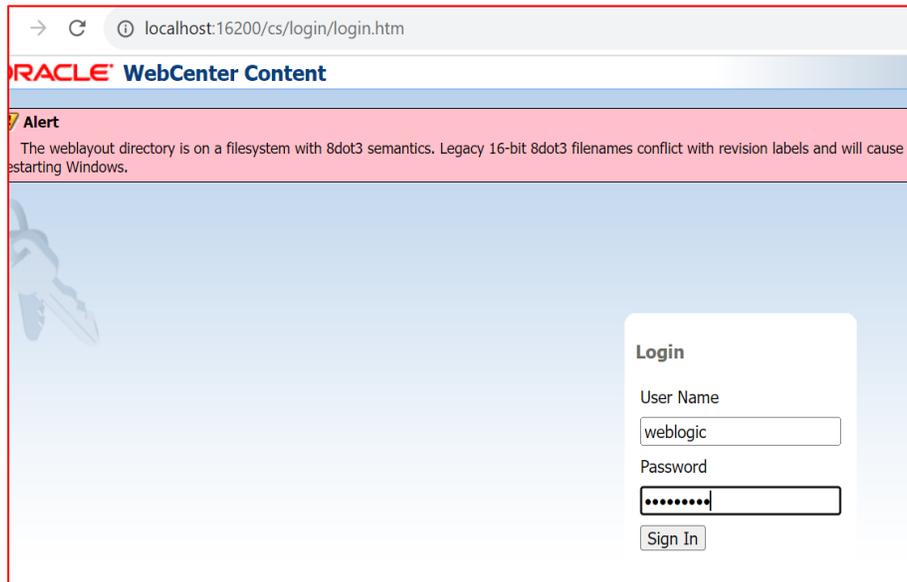
## Completing the Initial WebCenter Content Configuration

Access content URL

<http://localhost:16200/cs/>

Login with Admin username and password.

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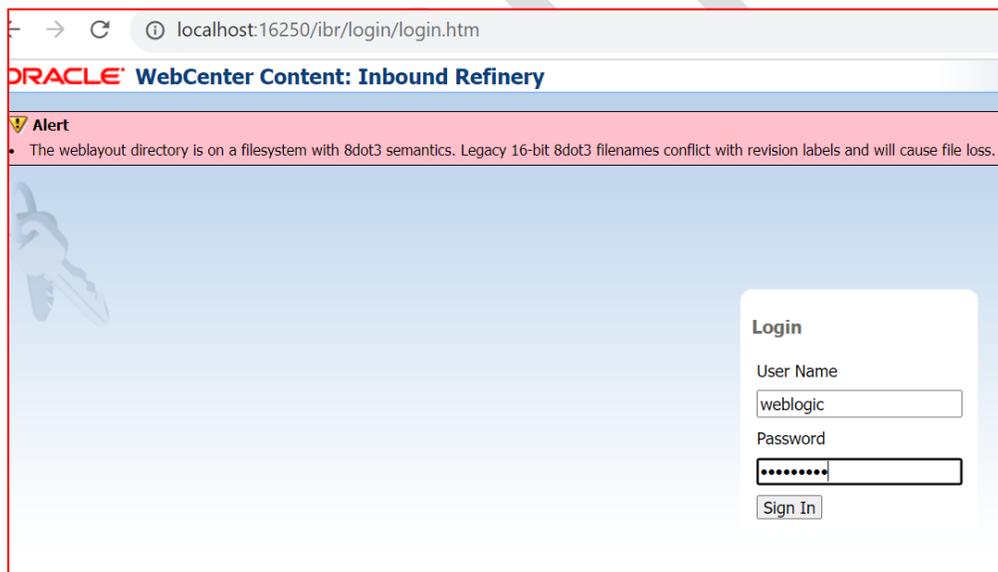
The screenshot shows a web browser window with the address bar displaying "localhost:16200/cs/login/login.htm". The page title is "ORACLE WebCenter Content". Below the title, there is an "Alert" box with a yellow warning icon and the text: "The weblayout directory is on a filesystem with 8dot3 semantics. Legacy 16-bit 8dot3 filenames conflict with revision labels and will cause file starting Windows." The main content area features a "Login" form with the following fields and buttons:

- Login** (Section Header)
- User Name:
- Password:
- Sign In:

## Access IBR Console

<http://localhost:16250/ibr>

Similar to cs, you will be prompted for initial one time configuration. Enter desired values and restart ibr server.



The screenshot shows a web browser window with the address bar displaying "localhost:16250/ibr/login/login.htm". The page title is "ORACLE WebCenter Content: Inbound Refinery". Below the title, there is an "Alert" box with a yellow warning icon and the text: "The weblayout directory is on a filesystem with 8dot3 semantics. Legacy 16-bit 8dot3 filenames conflict with revision labels and will cause file loss. D". The main content area features a "Login" form with the following fields and buttons:

- Login** (Section Header)
- User Name:
- Password:
- Sign In:

Update the paths accordingly and submit

# Oracle Webcenter Content 11G (11.1.1.9.0) Installation

### Inbound Refinery Configuration

**Instance Information**

Inbound Refinery Instance Identifier:

\* Inbound Refinery Instance Folder:

\* Native File Repository Location:

\* Weblayout Folder:

\* User Profile Folder:

Register Start Menu Actions:

\* Server Socket Port:

Incoming Socket Connection Address Security Filter:

\* Web Server HTTP/HTTPS Address:

Web Address Is HTTPS:

Inbound Refinery URL Prefix:

\* Server Instance Name:

\* Server Instance Label:

\* Server Instance Description:

\* - Required

Submit

## About Installing and Configuring the WebCenter Content User Interface

The WebCenter Content user interface resides in a separate domain from Content Server and runs on a different port, 16225 by default. This separate domain requires its own Middleware home, which can reside on the same machine as the Middleware home for Content Server or on a separate machine.

**Note** – WLS 10.3.6 and Webcenter 11.1.1.9 is no more in support and you may get errors during execution on current latest operating systems due to multiple dependencies, and for which you will not get any support (unless you have extended support from Oracle). *If you are planning to upgrade Web UI from 11.1.1.9 to 12.2.1.4 then you don't need to execute this Lab for testing purpose, because separate Web UI domain support deprecated in 12.2.1.4, and now it's included in same Webcenter domain.* That means after upgrading Webcenter content from 11.1.1.9 to 12.2.1.4, you have to extend the same domain to include Web UI.

### Installing the WebCenter Content User Interface Application

The WebCenter Content user interface artifacts are in a ZIP file called WccADFUI.zip, which you can obtain from the WebCenter Content Oracle home

The file location is C:\oracle\Middleware\Oracle\_ECM1\ucm\Distribution\WccADFUI\WccADFUI.zip

### Create a new middleware home for Web UI

- Install Weblogic 10.3.6 in new ORACLE\_HOME
  - Follow as explained during webcenter content installation above and create new ORACLE\_HOME - C:\oracle\WebUI for Web UI.
- Install Webcenter Content in above ORACLE\_HOME (C:\oracle\WebUI)



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- Create the directory C:\oracle\WebUI\oracle\_common\webcenter\wccadf
- Copy the C:\oracle\Middleware\Oracle\_ECM1\ucm\Distribution\WccADFUI\WccADFUI.zip file to the C:\oracle\WebUI\oracle\_common\webcenter\wccadf directory and expand zip file.

### Deploy WebCenter Content User Interface Application to a New Domain

Connect wlst and run below commands:

```
C:\oracle\WebUI\oracle_common\common\bin>wlst.cmd (.sh in Unix based)
```

```
wls:/offline> archive =  
getMDSArchiveConfig('C:\oracle\WebUI\oracle_common\webcenter\wccadf\WccADFUI\WccAdf.ear')
```

```
wls:/offline> archive.setAppMetadataRepository(repository='mds-WCCUIMDSREPO',  
partition='MDS_PARTITION', type='DB', jndi='jdbc/mds/WCCUIMDSREPO')
```

you will see message → Operation "setAppMetadataRepository" successful.

```
wls:/offline> archive.save()
```

You will see message →

Saved metadata repository configurations in  
"C:\oracle\WebUI\oracle\_common\webcenter\wccadf\WccADFUI\WccAdf.ear".

### Copy template

```
C:\oracle\WebUI\oracle_common\webcenter\wccadf\WccADFUI\oracle.ucm.cs_adf_template_11.1.1.jar
```

```
To C:\oracle\WebUI\oracle_common\common\templates\applications
```

### Upgrade the Oracle ADF shared libraries in the WebCenter Content user interface domain

```
C:\oracle\WebUI\wlserver_10.3\common\bin>wlst.cmd
```

```
wls:/offline> upgradeADF('C:\oracle\WebUI\user_projects\domains\WCCUI_DOMAIN')
```

### Register the target Managed Server with the MDS repository, and create the metadata partition:

```
C:\oracle\WebUI\wlserver_10.3\common\bin>wlst.cmd
```

```
wls:/offline> connect('weblogic','Shri28jan','localhost:8001')
```

```
registerMetadataDBRepository('WCCUIMDSREPO', 'Oracle','localhost', '1521', 'orclpdb', 'WCCUI_MDS',  
'webui123', 'WCCADF_server1')
```

```
createMetadataPartition(repository='mds-WCCUIMDSREPO', partition='MDS_PARTITION')
```

Restart the Administration Server in the WebCenter Content user interface domain, by stopping and then starting it

### Start the WCCADF\_server1 Managed Server in the WebCenter Content user interface domain.



## Oracle Webcenter Content 11G (11.1.1.9.0) Installation

Start it from admin console

**Associate the WebCenter Content user interface with Content Server through the connection architecture:**

C:\oracle\WebUI\oracle\_common\webcenter\wccadf\WccADFUI\ConnArchWlstResources\common\bin

Unix Based: `./manageconnwlst.sh`

Windows: `manageconnwlst.cmd`

```
connect('weblogic','password','localhost:8001')
updateRIDCCConnection('Oracle WebCenter Content - Web UI',
'WccAdfDefaultConnection',connUrl='idc://localhost:4444', credUsername='weblogic')
```

At this point the WebCenter Content user interface application instance has been set up and associated with the WebCenter Content Managed Server

Restart the Content Server Managed Server

Restart the WebCenter Content user interface Managed Server

Accessing the WebCenter Content User Interface

You can access the WebCenter Content user interface through the following URL:

<http://localhost:16225/wcc>



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