Oracle WebCenter Content Upgrade Part 1: Install and Configure WCC 11.1.1.9

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DigiTalk Channel: <u>https://www.youtube.com/channel/UCCGTnI9vvF_ETMhGUXGdFWw</u> Weblogic Server Architecture: <u>https://youtu.be/gNqeIfLjUqw</u>

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

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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 <u>https://www.oracle.com/in/java/technologies/javase-java-archive-javase6-</u> 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

Welcome	
Welcome Install Software Updates Prerequisite Checks Installation Location Application Server Installation Summary Installation Progress Installation Complete	 Welcome to the Oracle Fusion Middleware 11g WebCenter Content Installer version 11.1.1.9.0. This installer can be used to install a new Oracle WebCenter Content Oracle home, or to patch an existing Oracle ECM Suite Oracle home. If you are installing a new Oracle home: Make sure you have installed a supported version of Oracle WebLogic Server 11g or IBM WebSphere. If the products you are installing require database schemas, make sure you have created these schemas in your database. For more information, see the Oracle Fusion Middleware Installation Planning Guide. Copyright (c) 1999,2015,Oracle and/or its affiliates. All rights reserved.
Help	< Back Next > Einish Cance

Go with default skip software updates and click next

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Oracle Fusion Mide	Ileware 11g WebCenter Conte —	×
Install Software U	pdates	8
Welcome Skip Software Updates Prerequisite Checks Installation Location Application Server Installation Summary Installation Progress	Skip Software Updates Search My Oracle Support for Updates User Name: Password: Proxy Settings Test Connection Search Local Directory for Updates Local Directory: Browse	
Installation Complete	Search For Updates	
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Car	ncel

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

Prerequisite Che	cks			LE' EWARE
Welcome	Selection	Check	Progress	Status
Skip Software Updates	\checkmark	Checking operating system certification	100%	×
Prerequisite Checks	\checkmark	Checking physical memory	100%	 Image: A second s
Installation Progress		At hecking operating system certification hecking physical memory	port <u>R</u> etry	Continu

Create DB Schemas

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

 \times

Run RCU

🛓 Repository Creation Utility - Welcome

Windows: C:\Software\WCC\11g\V75908-01\rcuHome\BIN\rcu.bat Unix based: ./rcu.sh Click Next

We	lcome		g
•	Welcome		
*	Create Repository		
ģ	Database Connection Details	Welcome to Repository Creation Utility for Oracle Fusion Middleware.	
ģ	Select Components	The Repository Creation Utility enables you to create and drop component schemas that are part of	
ģ	Schema Passwords	Oracle Fusion Middleware.	
ģ	Map Tablespaces		
ģ	Summary		
9	Completion Summary		
		Skip this Page Next Time	
		Messages:	
4			
_			
	Helb	YZ4ZUD6 4 16 AVI ADDII(2000 ELL N5	cel

Select option Create and click next

l 💩 Repository Creation	Utility - Step 1 of 7 : Create Repository	-		×
Create Repository		FUS		11 <i>g</i>
Welcome Create Repository Database Connection Details Select Components Schema Passwords Map Tablespaces Summary Completion Summary	Create Create and load component schemas into a database. Orop Remove component schemas from a database.			
Help		< Back Next >	<u>F</u> inish	Cancel





Create Domain

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

Windows: config.cmd

Unix Based: ./config.sh

Fusion Middleware Configuration Wizard		
Welcome	ORACLE	
 ⊙ Create a new WebLogic domain Create a WebLogic domain in your projects directory. ○ Extend an existing WebLogic domain Use this option to add new components to an existing domain and modify configuration setting 	JS. Previous Next	

Select Imaging, Capture, Inbound Refinery and Content Server templates

E Fusion Mid	dleware Configuration Wizard	_		X
Select Domain So	burce		ORAC	ILE.
	© Generate a domain configured automatically to support the followi	ng produ	ots:	
	Basic WebLogic Server Domain - 10.3.6.0 [Wiserver_10.3] *			
	Oracle WebCenter Content: AXF for BPM - 11.1.1.0 [Oracle_ECM1]			
	✓ Oracle WebCenter Content: Imaging - 11.1.1.0 [Oracle_ECM1]			
	✓ Oracle WebCenter Content: Imaging Viewer Cache - 11.1.1.0 [Oracle_ECM1]			
	✓ Oracle WebCenter Enterprise Capture - 11.1.1.0 [Oracle_ECM1]			
	Oracle Universal Content Management - Inbound Refinery - 11.1.1.0 [Oracle_ECM1]			
	Oracle Universal Records Management - 11.1.1.0 [Oracle_ECM1]			
	Oracle Universal Content Management - Content Server - 11.1.1.0 [Oracle_ECM1]			
	Oracle Information Rights Management - 11.1.1.0 [Oracle_ECM1]			
	✓ Oracle Enterprise Manager Plugin for IBR - 11.1.1.0 [Oracle_ECM1]			
	Oracle Enterprise Manager - 11.1.1.0 [oracle_common]			
	Oracle Universal Content Management - SSXA Server - 11.1.1.0 [Oracle_ECM1]			
	Oracle WSM Policy Manager - 11.1.1.0 [oracle_common]		_	
	Crade OBSS REST ADDITION 11.1.1.0 [evade common]		T	
	O Base this domain on an existing template			
	Template location: C:\Oracle\Middleware	Brow	wse	
E <u>x</u> it <u>H</u> elp	Template location: C:\Oracle\Middleware	Brou	MSE Previous	

Enter a suitable name for domain and desired location

Fusion Middleware Configure	ration Wizard	_		×]
Specify Domain Name and Location			ORA	ELE.	
Enter the na	ame and location for the domain and its app	lications:			
Domain name:	wcc_domain				
Domain location:	C:\Oracle\Middleware\user_projects\domains	Browse			
Application locatio	: C:\Oracle\Middleware\user_projects\applications	Browse	Previous	Next	

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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.

 \rightarrow C (i) localhost:16200/cs/login/login.htm

RACLE[®] WebCenter Content

Alert

The weblayout directory is on a filesystem with 8dot3 semantics. Legacy 16-bit 8dot3 filenames conflict with revision labels and will cause fi starting Windows.

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.

Login User Name weblogic Password Sign In DigiTalk

ightarrow $ ightarrow$ $ ightarrow$ localhost:16250/ibr/login/login.htm	
DRACLE' WebCenter Content: Inbound Refinery	
 Alert The weblayout directory is on a filesystem with 8dot3 semantics. Legacy 16-bit 8dot3 filenames 	conflict with revision labels and will cause file loss. I
	Login
	User Name weblogic Password
	Sign In

Update the paths accordingly and submit

Inbound Refiner	y Configuration	
Instance In	formation	
Inbound Refinery Instance Identifier: 🧃	IBR_server1	
* Inbound Refinery Instance Folder: 🧃	C:/oracle/MIDDLE~1/USER_P~1/domains/WCC_DO~1/u	
* Native File Repository Location: 🧃	C:/oracle/MIDDLE~1/USER_P~1/domains/WCC_DO~1/u	
* Weblayout Folder: 🧃	C:/oracle/MIDDLE~1/USER_P~1/domains/WCC_DO~1/u	
* User Profile Folder: 🧃	C:/oracle/MIDDLE~1/USER_P~1/domains/WCC_DO~1/u	
Register Start Menu Actions: 🧻		
* Server Socket Port: 🧃	5555	
coming Socket Connection Address Security Filter: 🧃	127.0.0.1 0:0:0:0:0:0:0:1	
* Web Server HTTP/HTTPS Address: ()	16250	
Web Address Is HTTPS:		
	/107/	
* Server Instance Name:		
* Server Instance Description: ()	Instance 6250	
* - Rec Submit	uired Feset	

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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 depreciated 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)

- 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 \rightarrow Operation "setAppMetadataRepository" successful.

wls:/offline> archive.save()

You will see message \rightarrow

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

Copy template

 $\label{eq:commonwebcenterwccadfWccADFUI\oracle.ucm.cs_adf_template_11.1.1.jariset and the second s$

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.





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\ConnArchWIstResources\common\bin

Unix Based: ./manageconnwlst.sh

Windows: manageconnwlst.cmd

connect('weblogic','password','localhost:8001') updateRIDCConnection('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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