

UCM Server Setup
Oracle FLEXCUBE Universal Banking
Release 12.1.0.0.0
[September] [2015]



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1. Introduction

1.1 Background

This document provides an overview of setting up the UCM server for capturing of all documents received from/given to customer in a central content management repository. Oracle documentation are to be referred for HA and other configuration patterns.

1.2 Organization of the Document

The first chapter of this document gives an introduction with brief background and organization of the document.

Subsequent chapters of this document will give the implementation details.

1.3 Acronyms and Abbreviations

UCM	Universal Content Management
IPM	Imaging and Process Management
RCU	Repository Creation Utility

2. Prerequisites

Oracle Weblogic 11gR1 (10.3.5)

Download Oracle Weblogic from Oracle Website. This is available for reference at

<http://www.oracle.com/technetwork/middleware/ias/downloads/wls-main-097127.html>

1. Download based on your needs (Windows/Linux/Generic).
2. The installation process might slightly vary depending on the platform / mode if installation (package/net).
3. Run the wls1035_oepe111172_win32.exe

2.1 Create Repository in order to Configure the Application

Oracle Repository Creation Utility (RCU) is used to create schemas that are required for UCM server Installation.

1. Install Database.
2. Download Repository Creation Utility

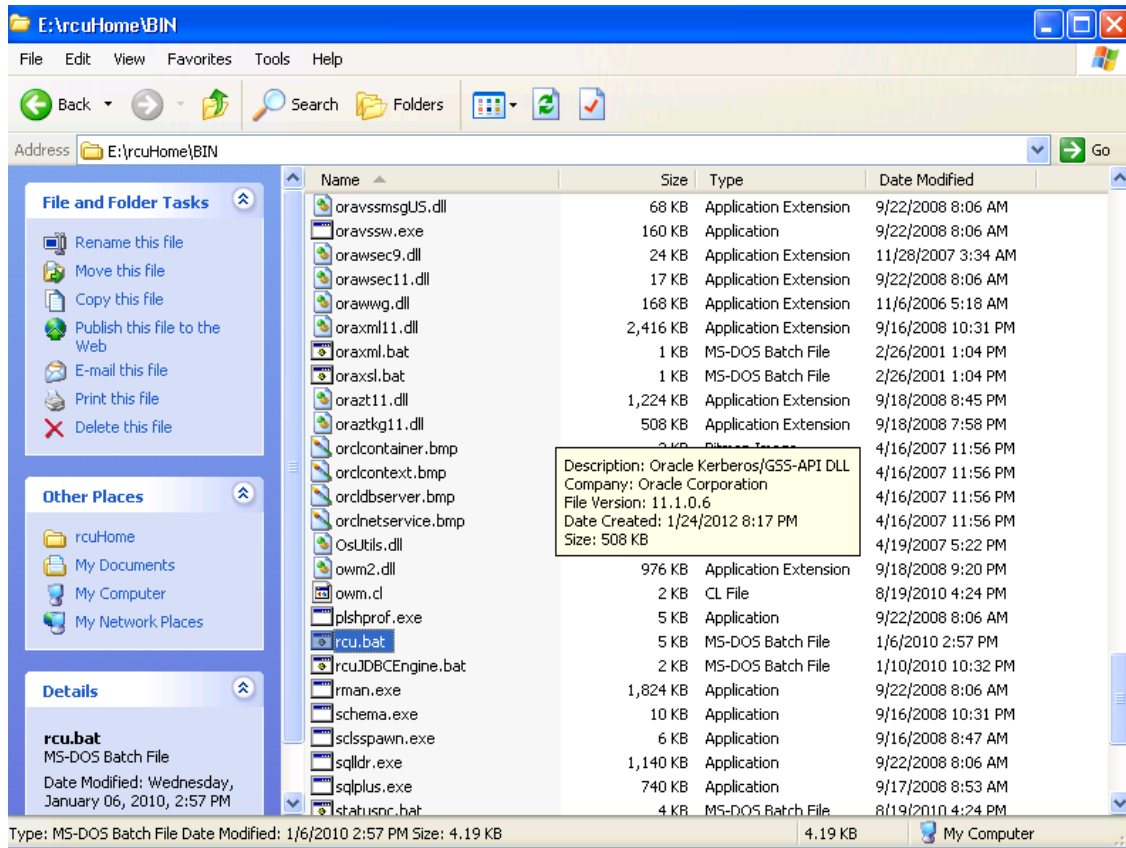
<http://www.oracle.com/technetwork/middleware/soasuite/downloads/index.html>

3. Navigate to the directory into which RCU is installed. For Example

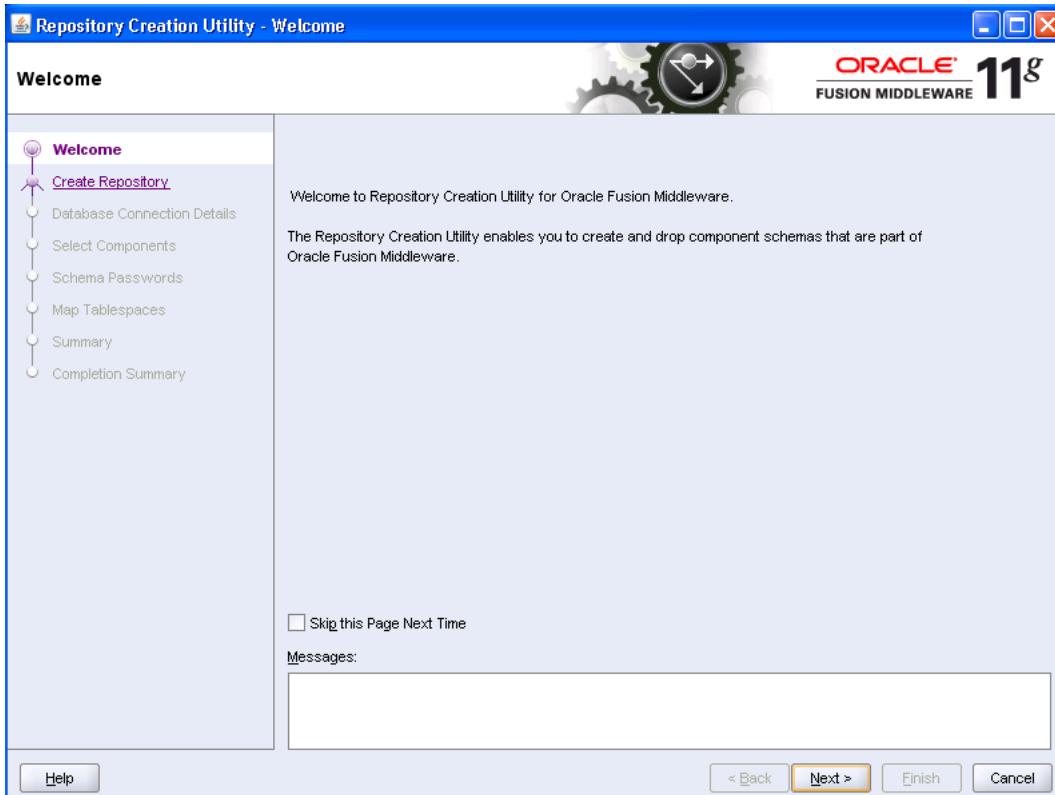
`<rcu_home>\BIN`

Where rcu_home is the directory in which RCU is installed.

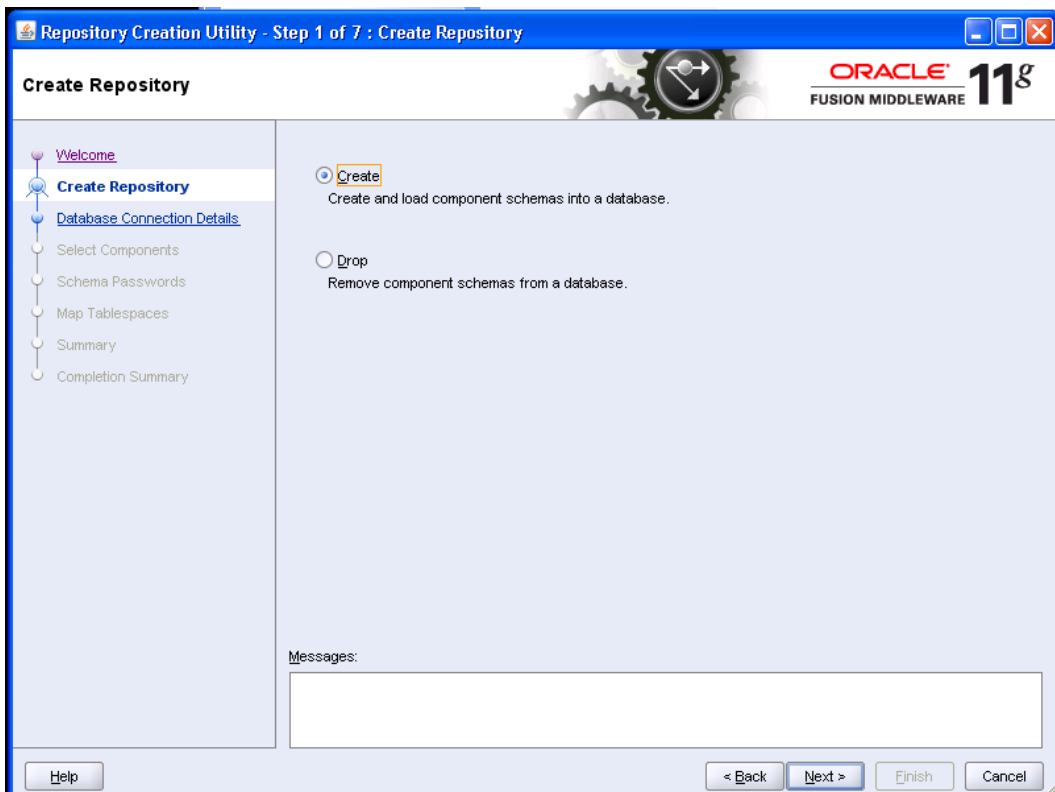
4. Click on rcu.bat file to create the repository.



The Repository Creation Welcome Screen appears.



5. Select create, and then click 'Next'..



Repository Creation Utility - Step 2 of 7 : Database Connection Details

Database Connection Details

ORACLE FUSION MIDDLEWARE 11^g

[Welcome](#)
[Create Repository](#)
Database Connection Details
[Select Components](#)
[Schema Passwords](#)
[Map Tablespaces](#)
[Summary](#)
[Completion Summary](#)

Database Type: Oracle Database
Host Name: localhost
For RAC database, specify VIP name or one of the Node name as Host name.
Port: 1521
Service Name: ORCL123
Username: sys
User with DBA or SYSDBA privileges. Example:sys
Password: ●●●
Role: SYSDBA
One or more components may require SYSDBA role for the operation to succeed.

Messages:

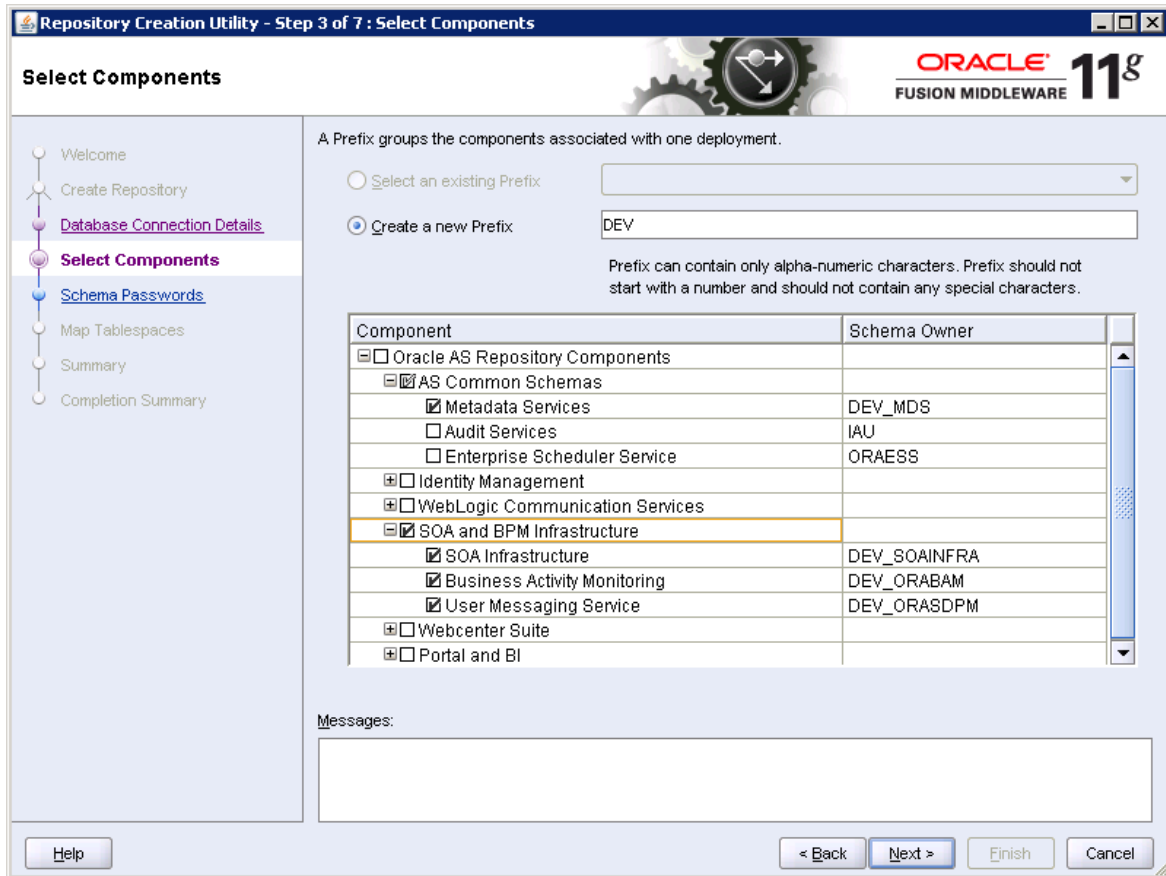
6. Provide oracle database connection properties
7. SYS credentials are required.

Repository Creation Utility - Checking Prerequisites

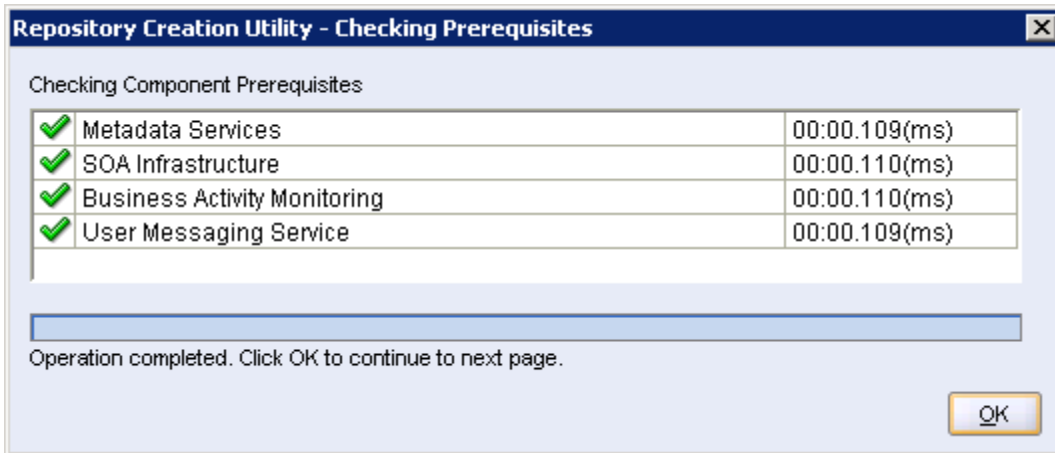
Checking Global Prerequisites

✓	Initializing repository configuration metadata	00:02.266(sec)
✓	Obtain properties of the specified database	00:00.110(ms)
✓	Check requirement for specified database	00:00.437(ms)
✓	Execute pre create operations	00:00.984(ms)

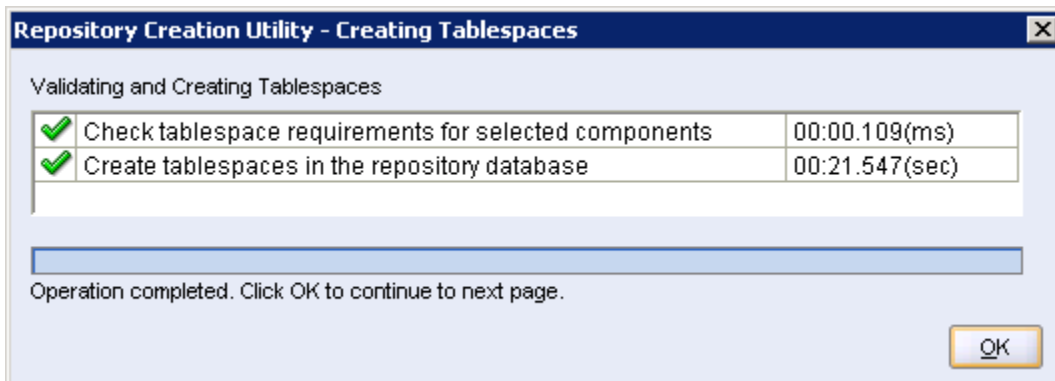
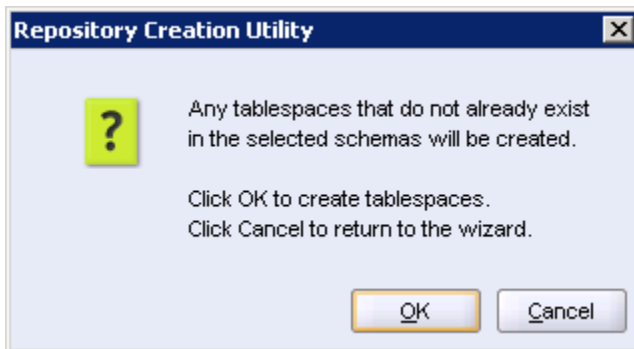
Operation completed. Click OK to continue to next page.



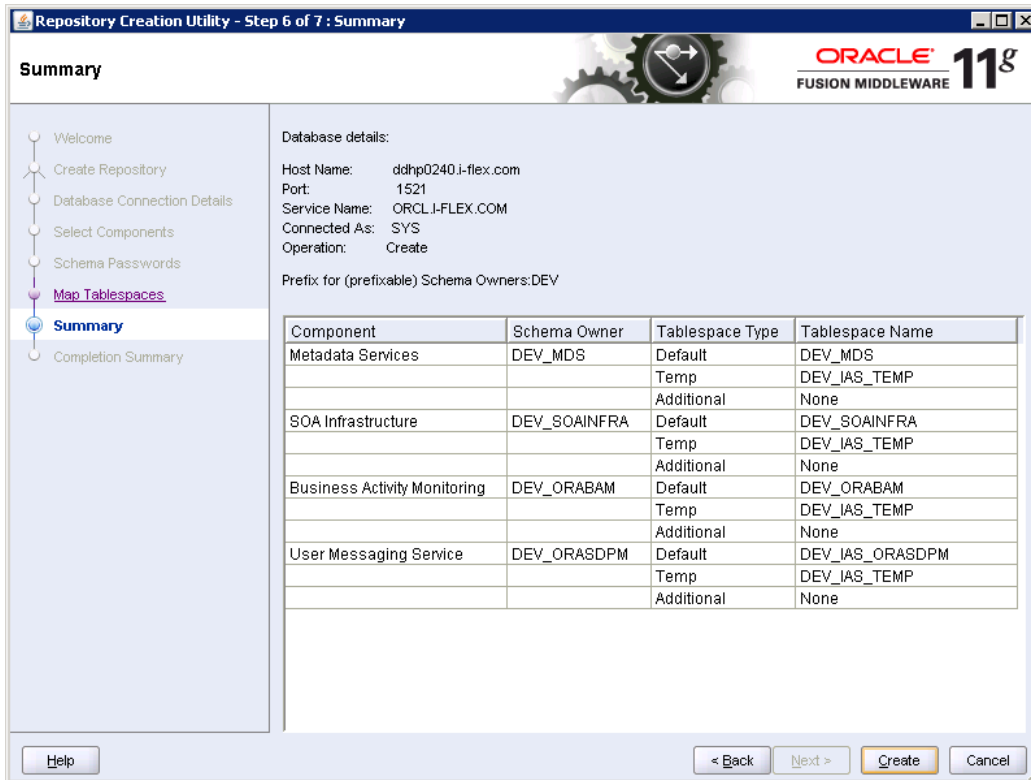
8. The prefix option is provided so that multiple soa schemas can be in the same instance.
9. Select Enterprise Content Management
 - DEV_OCS
 - DEV_OCSSEARCH
 - DEV_IPM



10. Please make a note of the password / passwords being used.



11. Tablespaces creation.



12. Summary.

Repository Creation Utility - Step 7 of 7 : Completion Summary

Completion Summary

ORACLE FUSION MIDDLEWARE 11g

Welcome
 Create Repository
 Database Connection Details
 Select Components
 Schema Passwords
 Map Tablespaces
 Summary
Completion Summary

Database details:

Host Name: localhost
 Port: 1521
 Service Name: ORCL123
 Connected As: sys
 Operation: Create
 RCU Logfile: E:\rcuHome\rcu\log\logdir_2012-03-05_11-57\rcu.log
 Component Log Directory: E:\rcuHome\rcu\log\logdir_2012-03-05_11-57
 Execution Time: 37 seconds
 Prefix for (prefixable) Schema Owners:DEV11

Component	Status	Logfile	Time
Oracle Content Server 11g - Complete	Success	contentserver11.log	00:08.229(sec)
Oracle Content Server 11g - Search Only	Success	contentserver11search.log	00:00.983(ms)
Oracle Imaging and Process Management	Success	ipm.log	00:01.953(sec)

Help < Back Next > Create Close

13. Completion Summary.

3. UCM Server Setup

1. Download Oracle Webcenter Content 11gR1 (Version: 11.1.1.5.0), formerly known as (Oracle Enterprise Content Management) from

<https://sac.us.oracle.com/download/index.html>

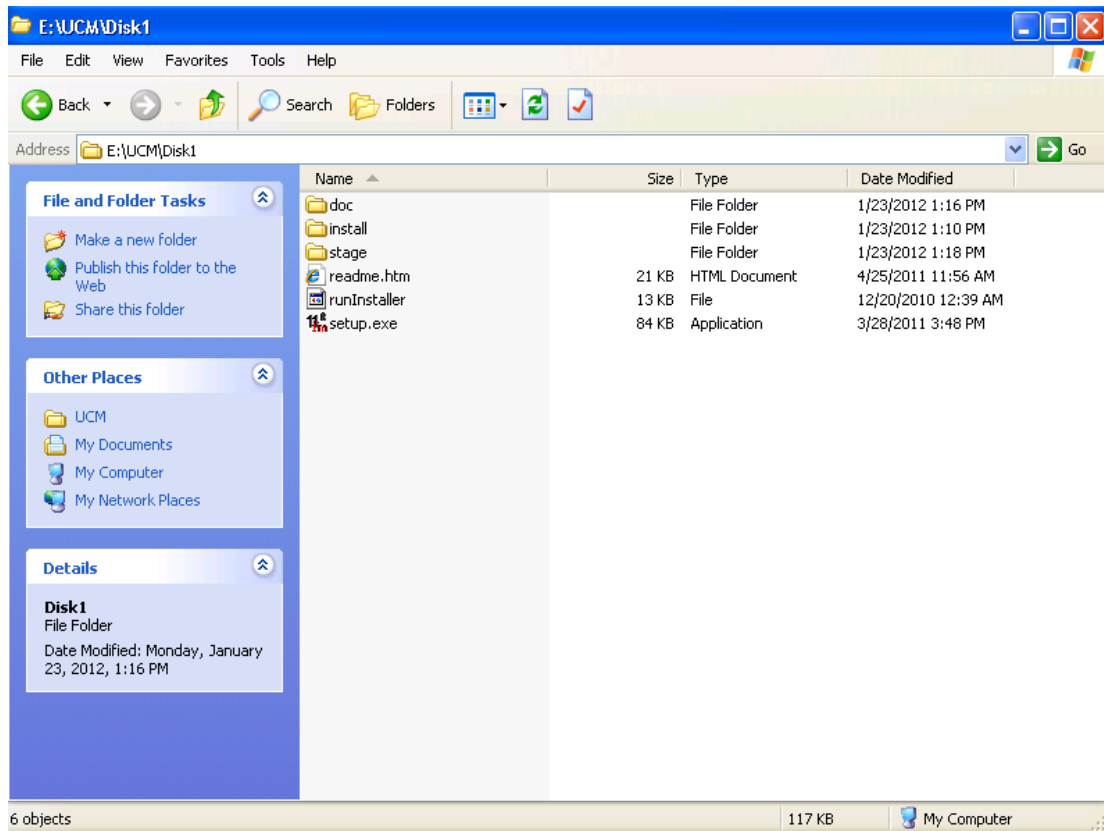
2. At the right top corner there is a search box, where searching for string <11.1.1.5>
3. Search for <Enterprise Content> in the result page and found a zip which is downloadable.
4. Download Enterprise Content Management

[Oracle Enterprise Content Management 11g \(11.1.1.5.0\) \(zip file 1 of 2\)](#)

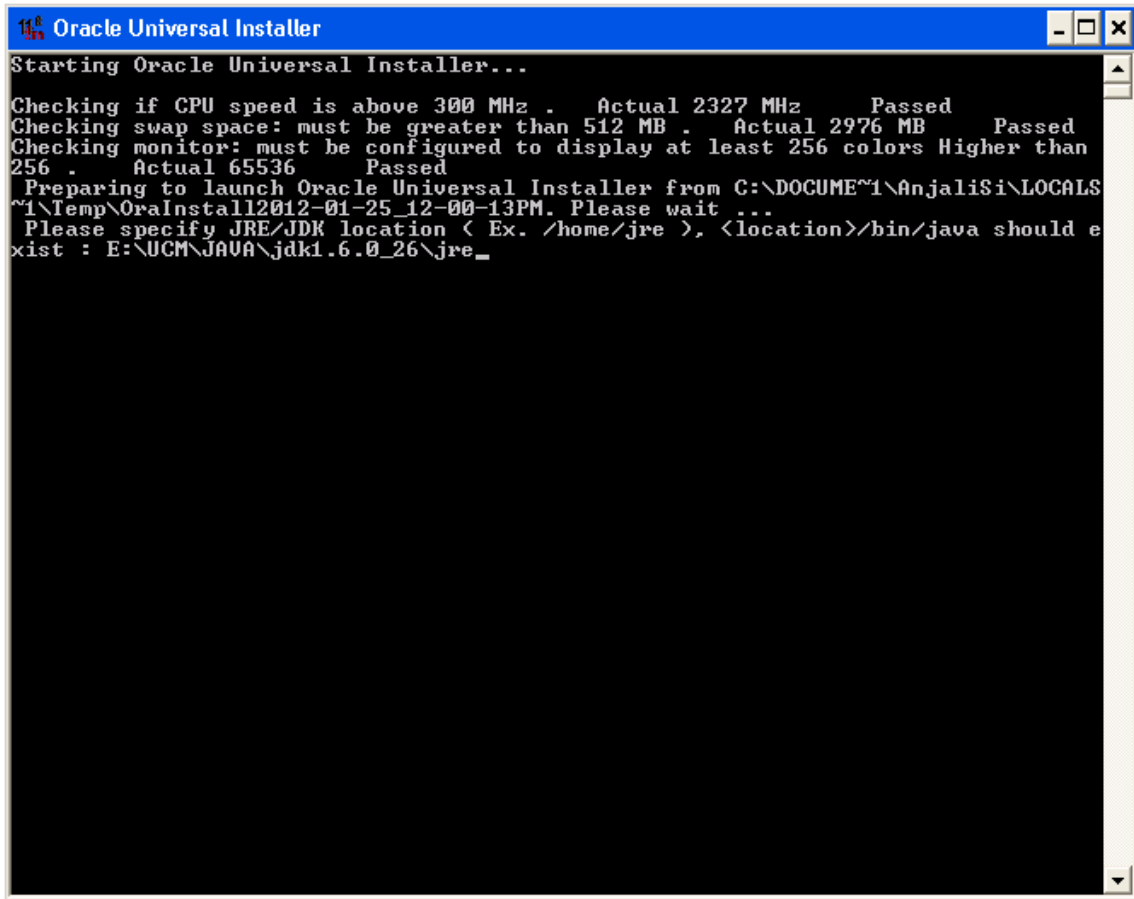
[Oracle Enterprise Content Management 11g \(11.1.1.5.0\) \(zip file 2 of 2\)](#)

which provides a FTP download and select FTP server to download.

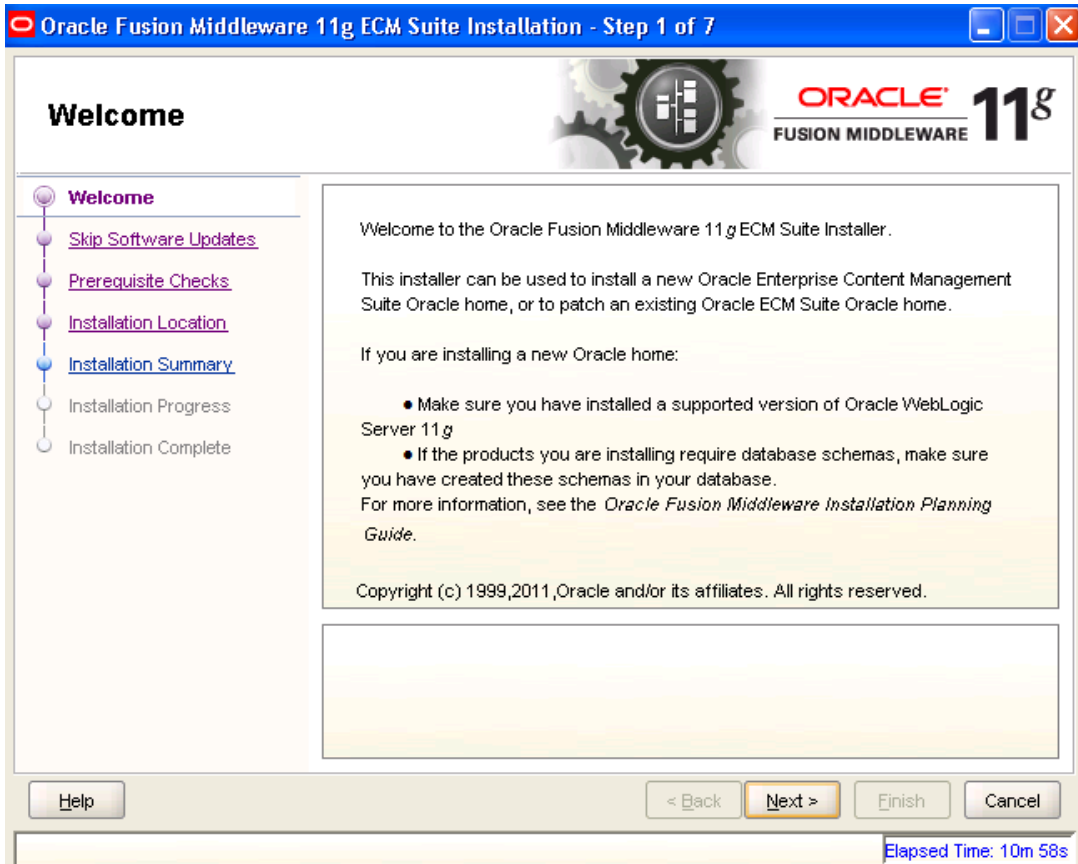
5. Extract all the files and Install them on the server machine.



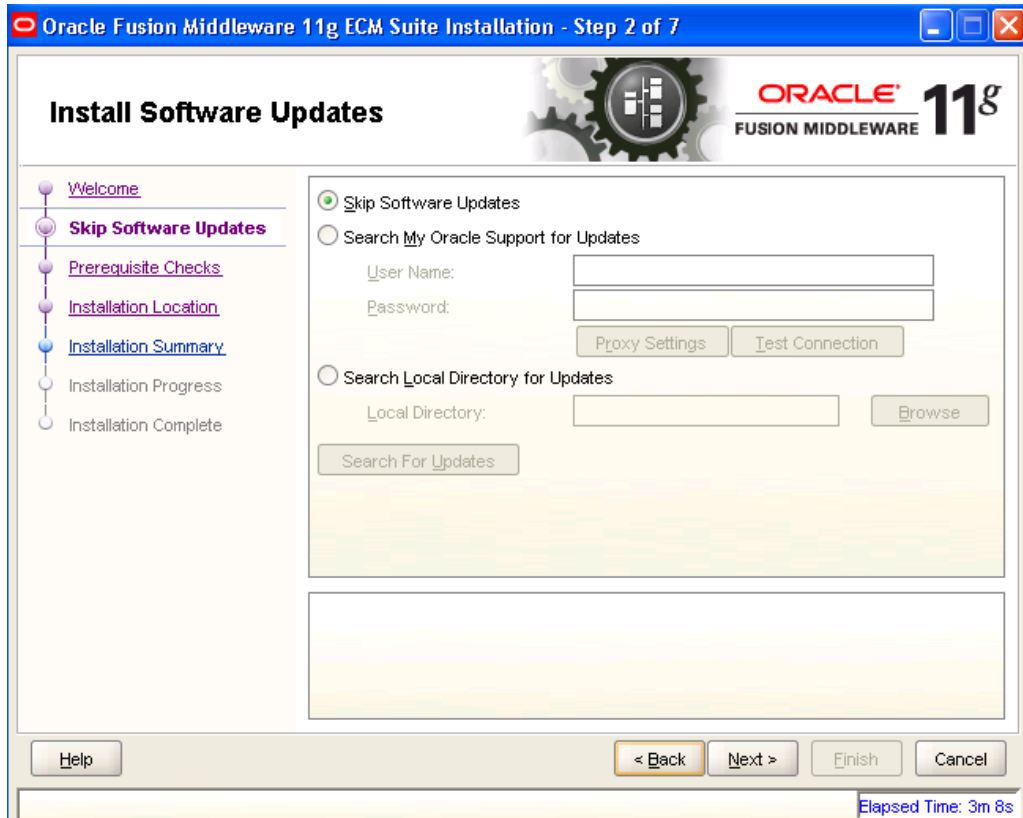
6. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.6.0.26\jre.



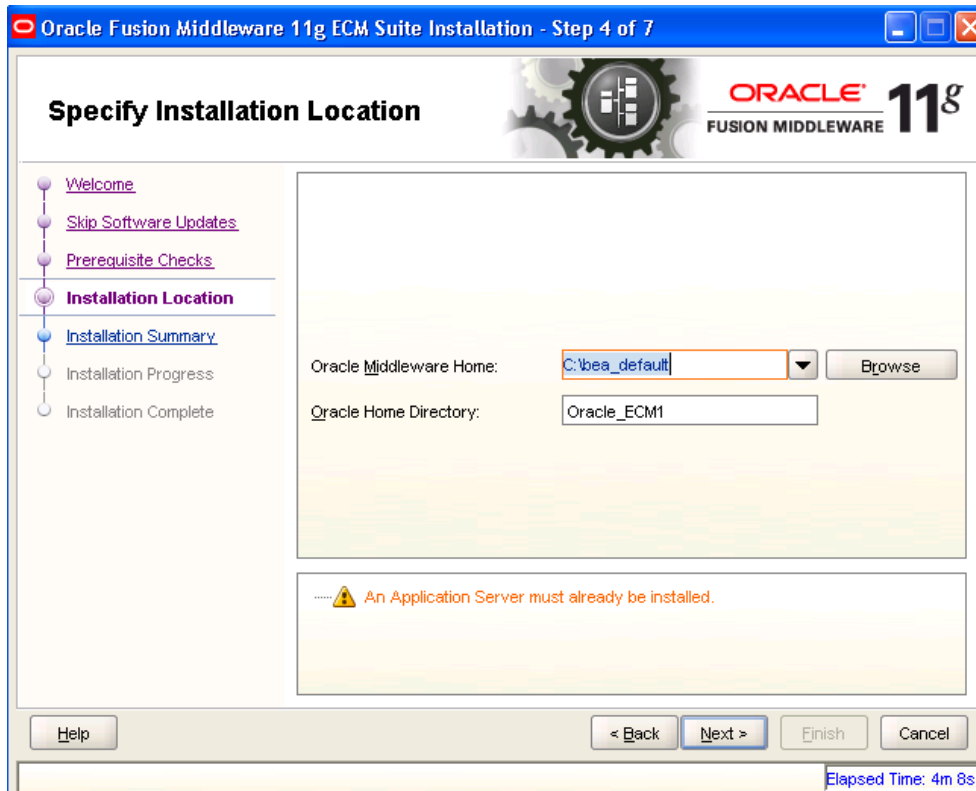
```
Oracle Universal Installer
Starting Oracle Universal Installer...
Checking if CPU speed is above 300 MHz . Actual 2327 MHz Passed
Checking swap space: must be greater than 512 MB . Actual 2976 MB Passed
Checking monitor: must be configured to display at least 256 colors Higher than
256 . Actual 65536 Passed
Preparing to launch Oracle Universal Installer from C:\DOCUME~1\AnjaliSi\LOCALS
~1\Temp\OraInstall12012-01-25_12-00-13PM. Please wait ...
Please specify JRE/JDK location < Ex. /home/jre >, <location>/bin/java should e
xist : E:\UCM\JAVA\jdk1.6.0_26\jre_
```



7. Click 'Next' to navigate to skip software updates



8. Click 'Next' to navigate to specify Installation Location.




9. Specify your Oracle Middleware home directory path and click next. Oracle Middleware version should be 10.3.5.



10. Click on Install button to accept this configuration and start the Installation

Oracle Fusion Middleware 11g ECM Suite Installation - Step 6 of 7

Installation Progress



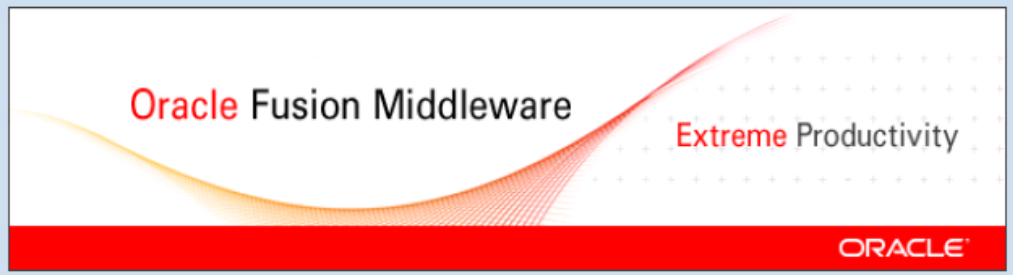
- Welcome
- Skip Software Updates
- Prerequisite Checks
- Installation Location
- Installation Summary
- Installation Progress**
- Installation Complete

Progress: 100%

Completed ..

Install Log: C:\Program Files\Oracle\Inventory\logs\install2012-01-23_04-30-59PM.log

Installation Successful.
Starting execution of post install scripts
Execution of post install scripts completed

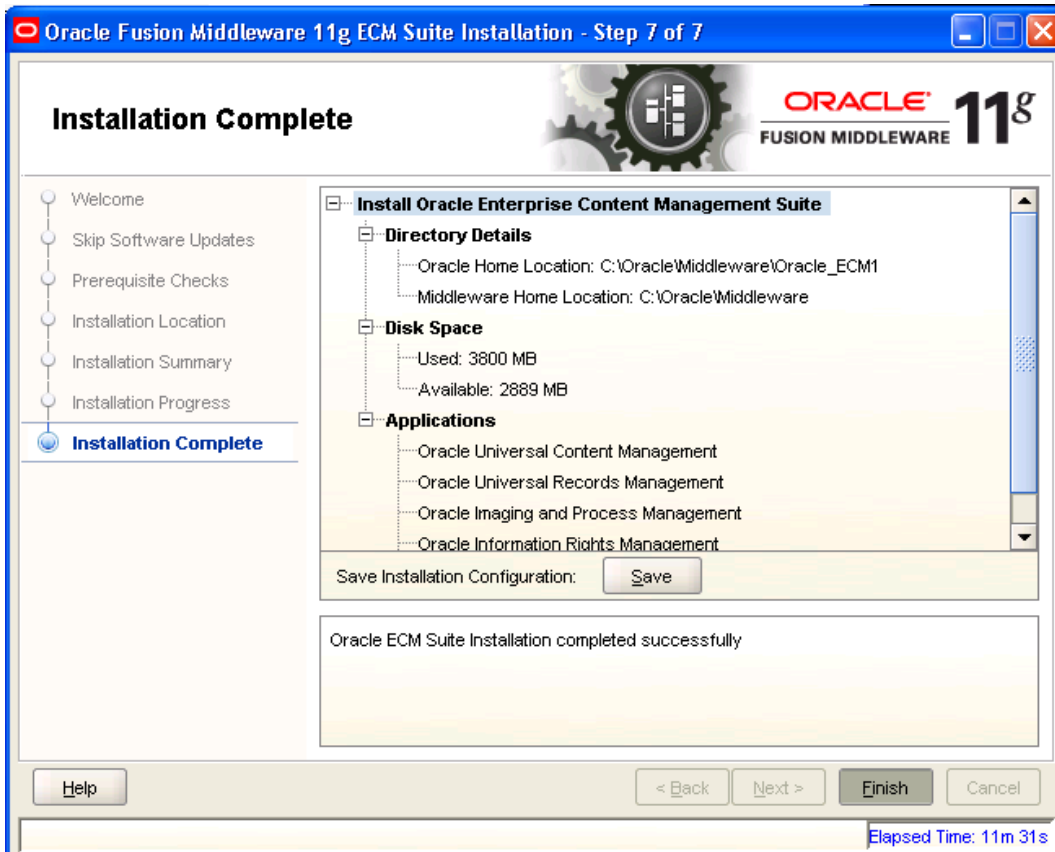


Oracle Fusion Middleware Extreme Productivity

ORACLE

Help < Back Next > Finish Cancel

Elapsed Time: 11m 16s



11. To verify the installation, Click on start, navigate to All programs and then to ECM 11g home.

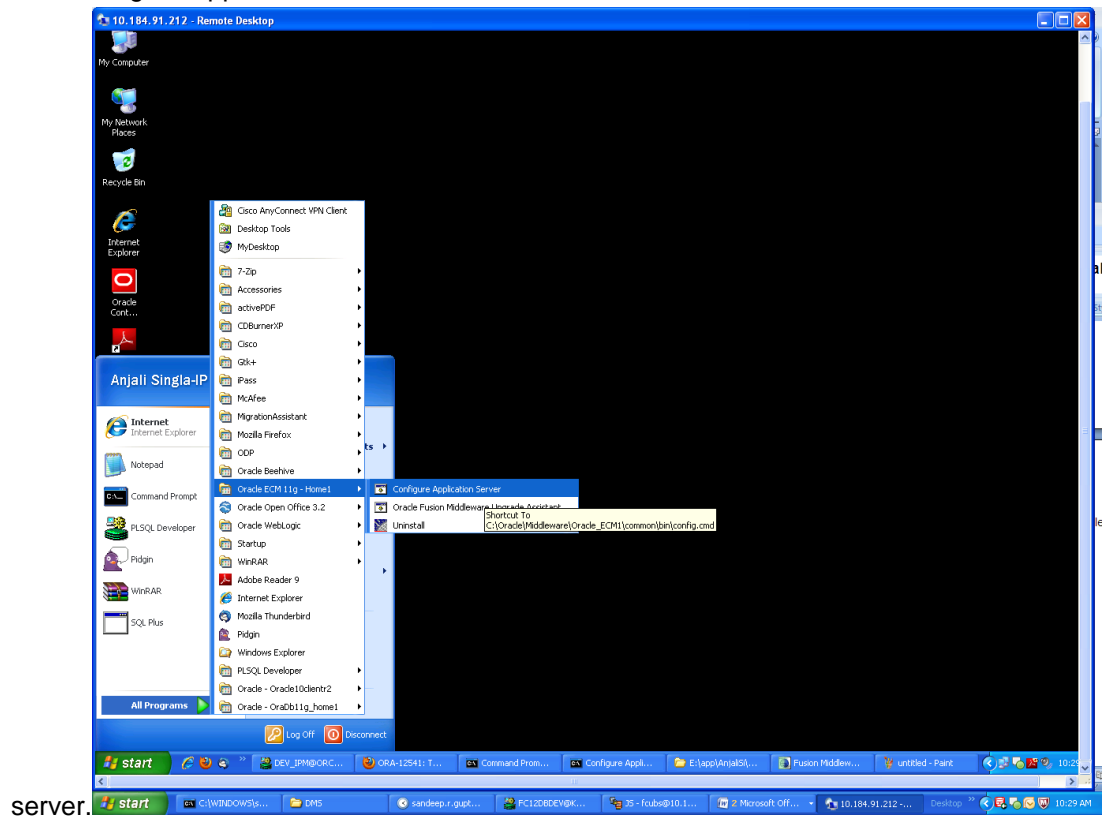
4. Configuring the ECM application server:

4.1 Introduction

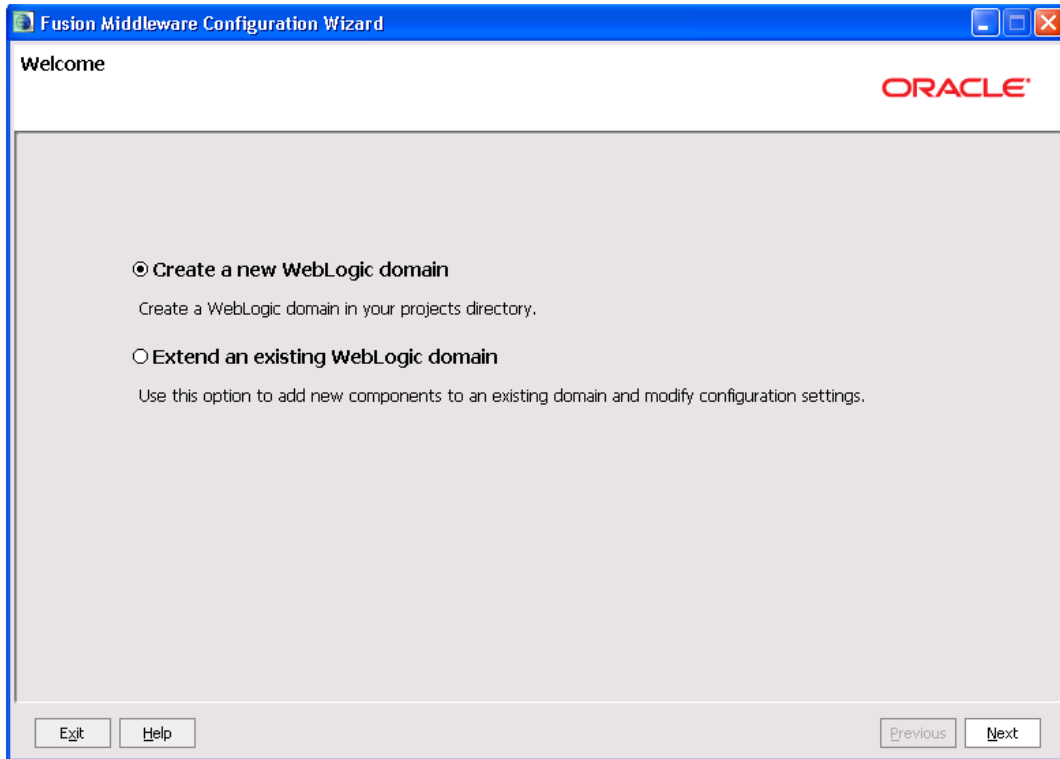
New domain can be configured or an existing domain can be extended with Oracle ECM suite components.

4.2 New Domain Configuration

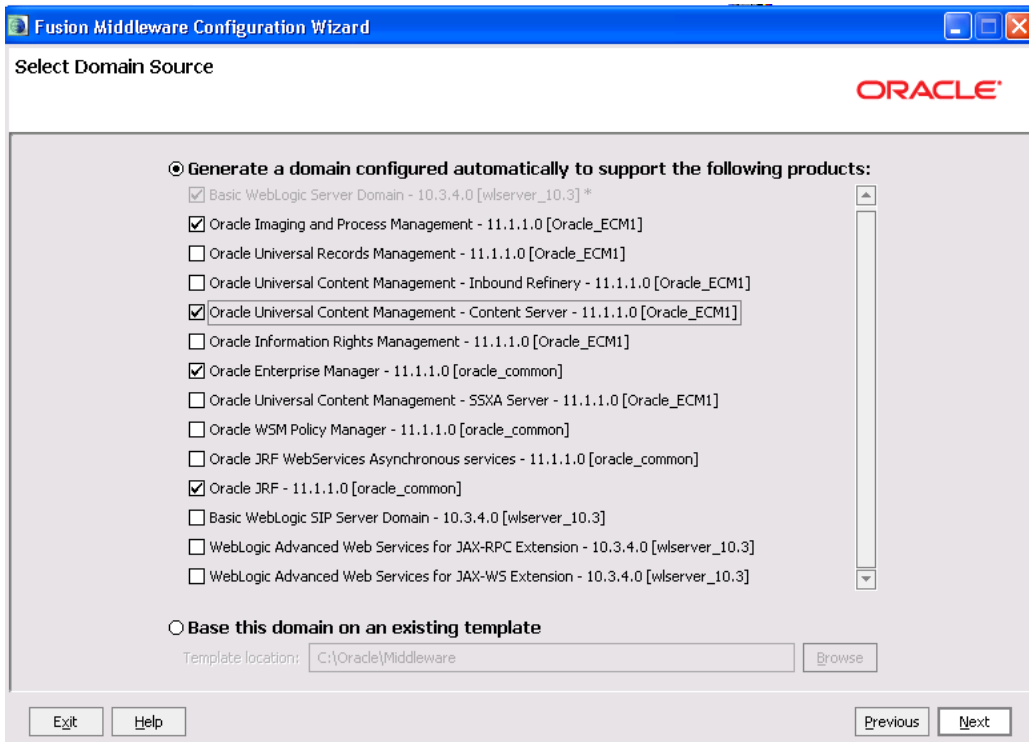
1. Run Configure Application



server.



2. Create a new domain / extend an existing domain to include ECM suite components.

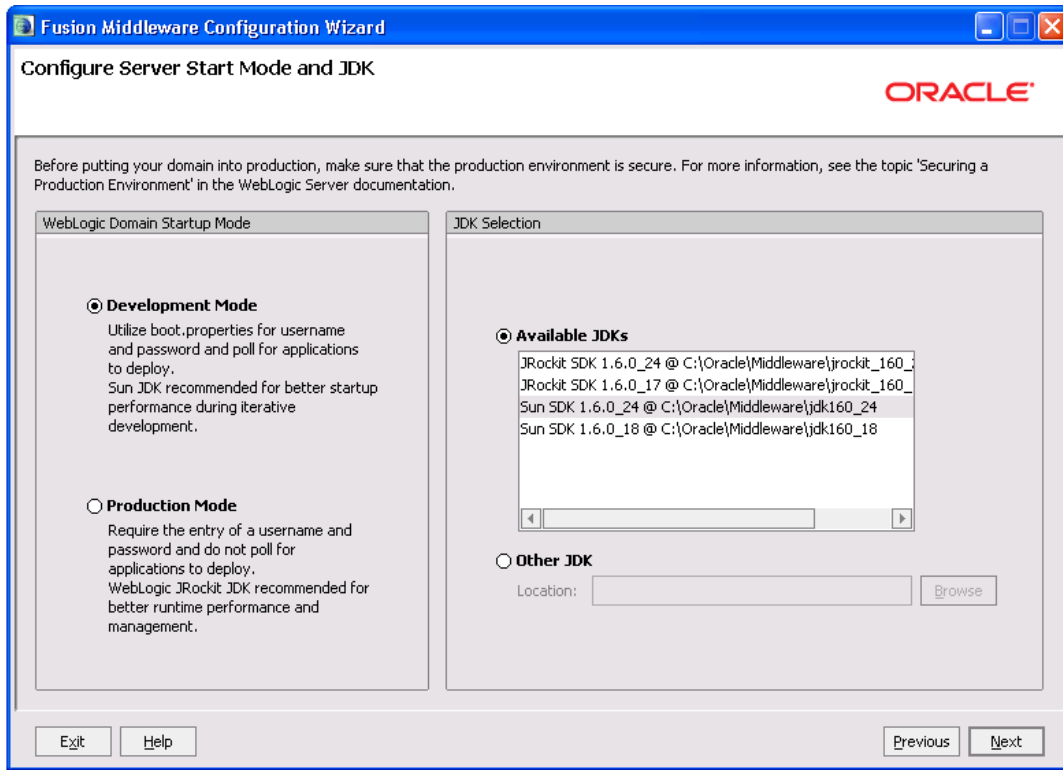


3. On selecting Oracle IPM and UCM (Content Server) it automatically selects Oracle Enterprise Manager and Oracle JRF.

The screenshot shows the 'Specify Domain Name and Location' step of the Fusion Middleware Configuration Wizard. The window title is 'Fusion Middleware Configuration Wizard'. The Oracle logo is in the top right corner. The main text reads 'Enter the name and location for the domain and its applications:'. There are three input fields: 'Domain name' with the value 'domain1', 'Domain location' with the value 'C:\Oracle\Middleware\user_projects\domains', and 'Application location' with the value 'C:\Oracle\Middleware\user_projects\applications'. Each location field has a 'Browse' button to its right. At the bottom, there are 'Exit', 'Help', 'Previous', and 'Next' buttons.

The screenshot shows the 'Configure Administrator User Name and Password' step of the Fusion Middleware Configuration Wizard. The window title is 'Fusion Middleware Configuration Wizard'. The Oracle logo is in the top right corner. There is a 'Discard Changes' link with a circular arrow icon. Below it are four input fields: '*Name' with the value 'weblogic7', '*User password' with '*****', '*Confirm user password' with '*****', and 'Description' with the text 'This user is the default administrator.'. At the bottom, there are 'Exit', 'Help', 'Previous', and 'Next' buttons.

4. Configure Administrator user / password.



5. Select jdk depending on the startup mode.

Fusion Middleware Configuration Wizard

Configure JDBC Component Schema

ORACLE

Note: Change only the input fields below that you wish to modify and values will be applied to all selected rows.

Vendor: Oracle DBMS/Service: Varies among component schemas

Driver: *Oracle's Driver (Thin) for Service connections; Versions:9.0.1 and le Host Name: localhost

Schema Owner: Varies among component schemas Port: 1521

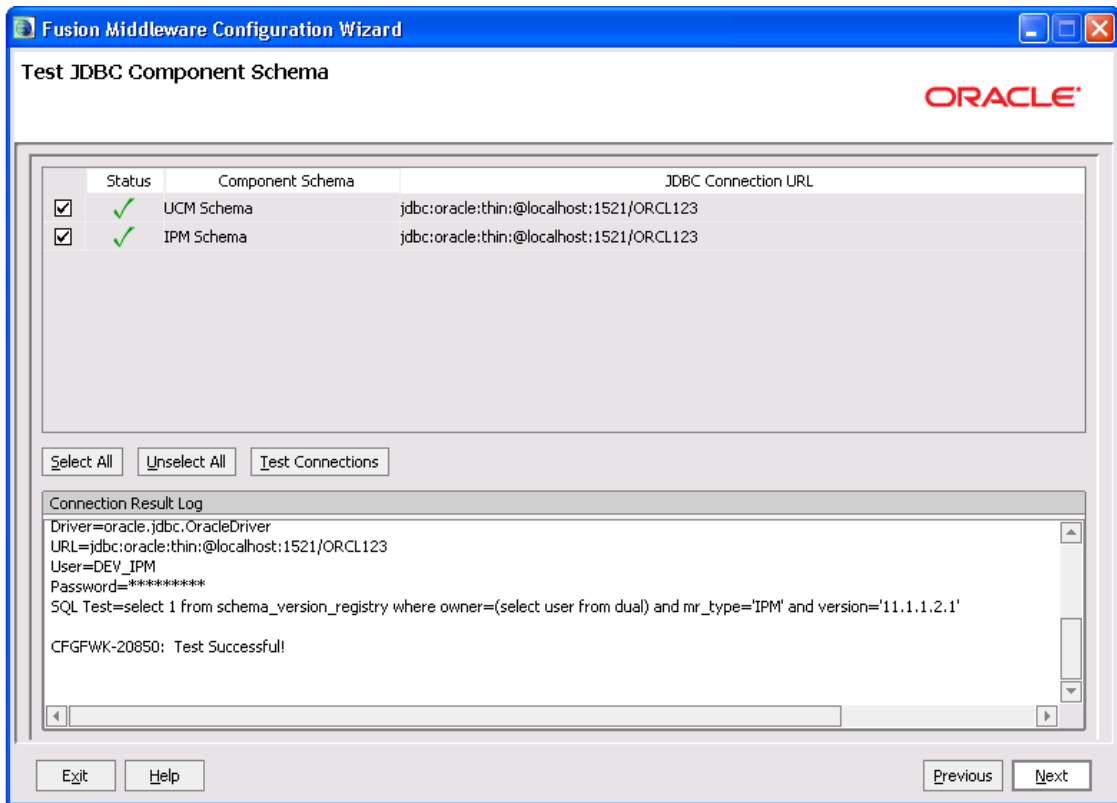
Schema Password: *****

Configure selected component schemas as RAC multi data source schemas in the next panel.

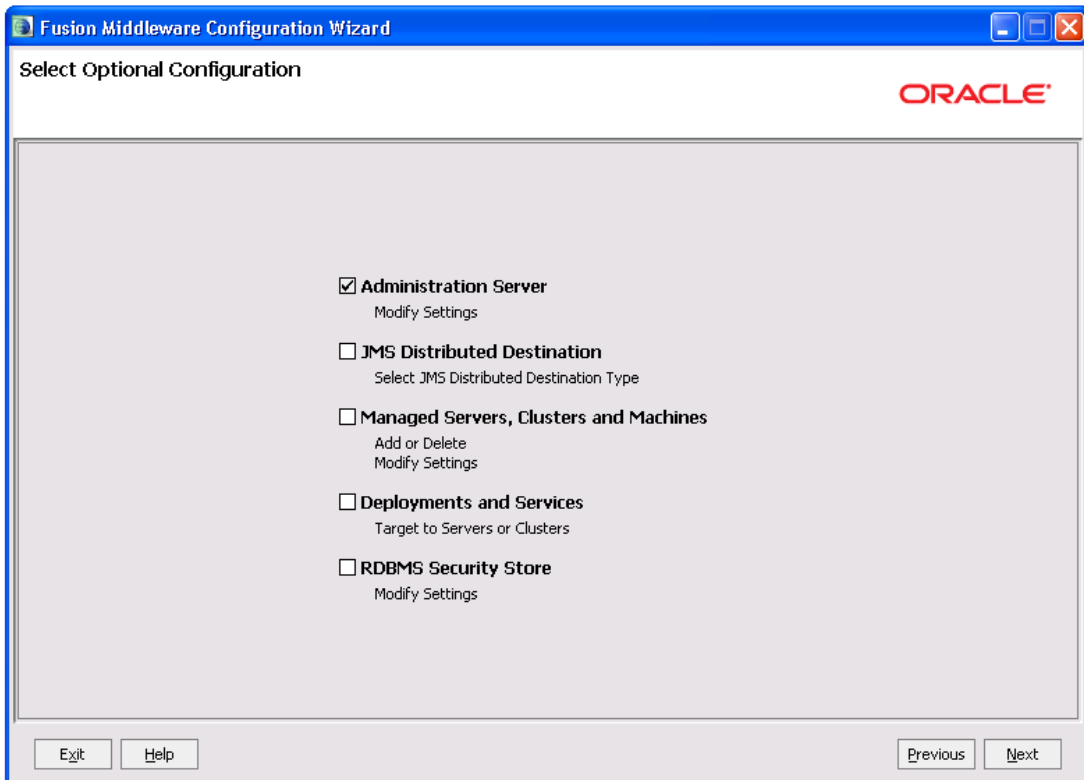
	Component Schema	DBMS/Service	Host Name	Port	Schema Owner	Schema Password
<input checked="" type="checkbox"/>	UCM Schema	service_name	localhost	1521	DEV_OCS	*****
<input checked="" type="checkbox"/>	IPM Schema	orcl	localhost	1521	DEV_IPM	*****

Exit Help Previous Next

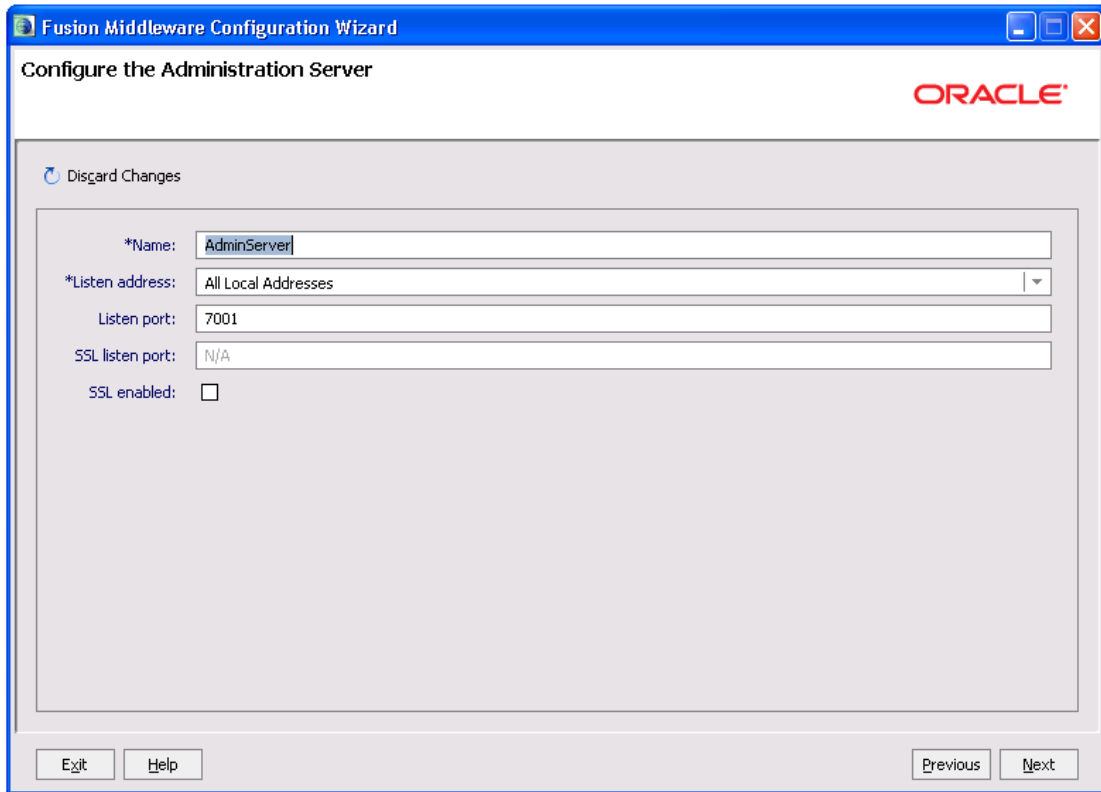
6. Provide the db parameters used during schema creation(RCU Utility)
7. Specify your hostname and schema password of both UCM and IPM schema. Also specify the correct DBMS/Service name.



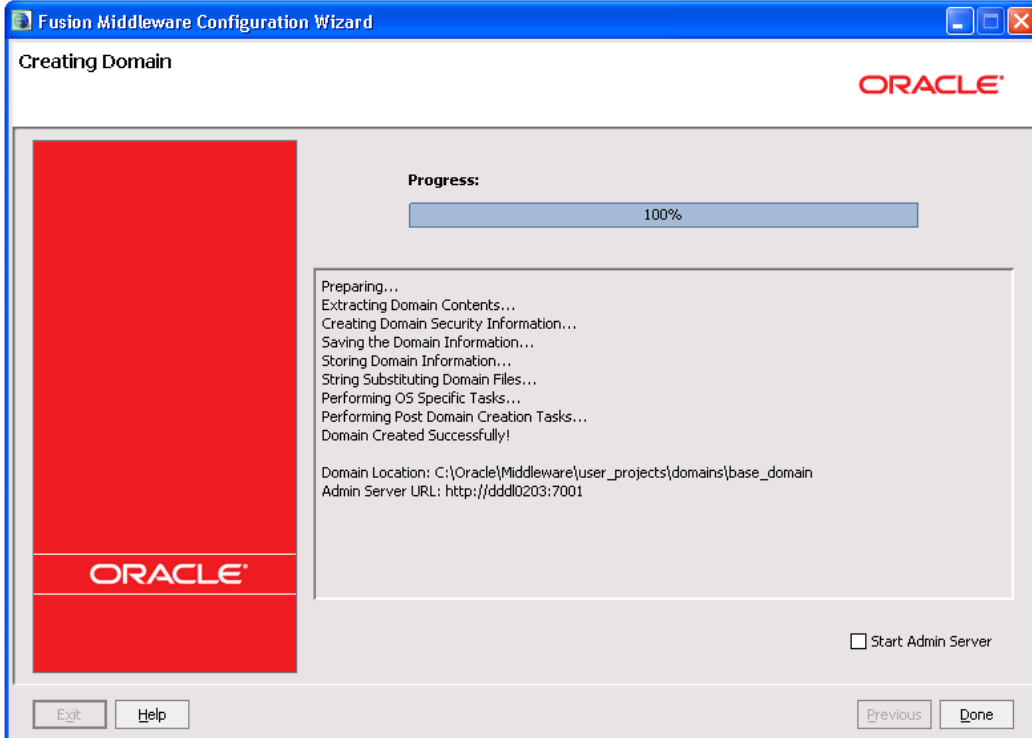
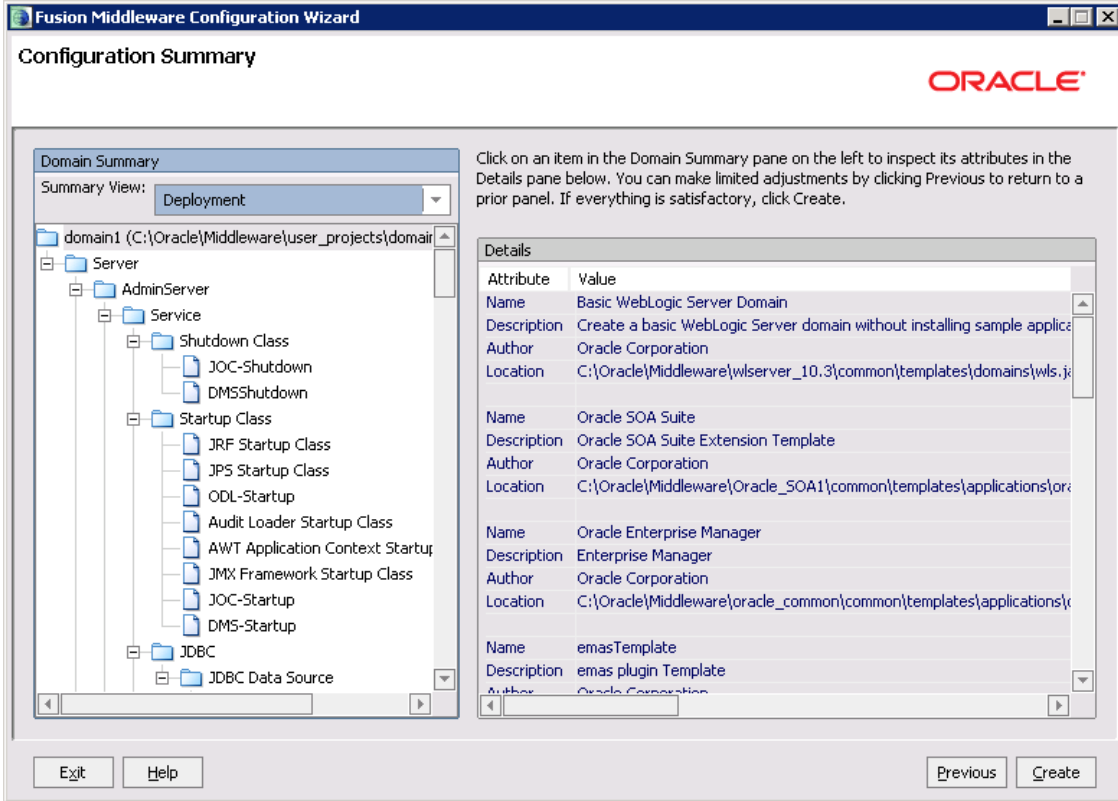
8. Test the database connectivity



9. Select the Administration Server



10. Configure the admin server.

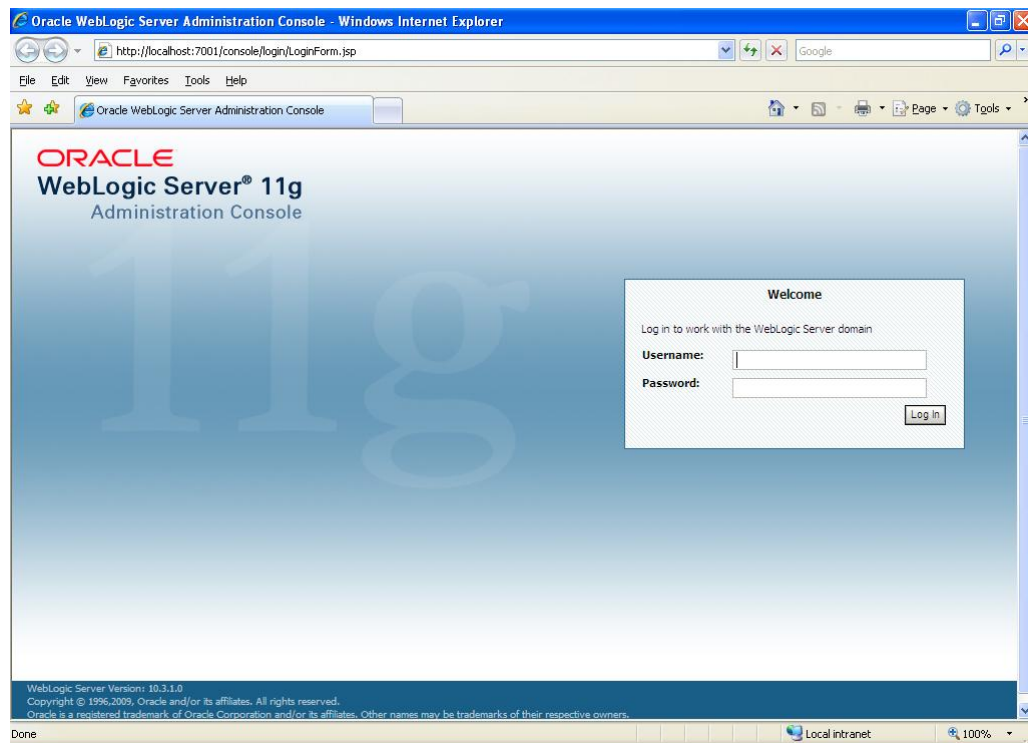


5. Checking the Deployment Summary

1. Open the Administrative Console of WEBLOGIC SERVER:
2. Open an internet browser and type the WEBLOGIC Admin Console URL Address of the server.

e.g.: <http://localhost:7001/console>.

3. The following screen is displayed:



4. Login to Administrative Console.
5. Enter WEBLOGIC administrator username/password and press Login.



6. Click on deployments

7. Also Start managed servers UCM_server1 and then IPM_server1 through command prompt.

For ex: C:\Oracle\Middleware\user_projects\domains\domain2\bin\startManagedWebLogic.cmd
<UCM server name>

C:\Oracle\Middleware\user_projects\domains\domain2\bin\startManagedWebLogic.cmd <IPM
server name>

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled "Summary of Deployments" and contains a table of installed applications. The table has the following data:

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
DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
em	Active	OK	Enterprise Application	400
emal	Active		Library	100
emas	Active		Library	100
emcore	Active		Library	100
PFMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
imaging	Active	OK	Enterprise Application	400
jsf(1.2,1.2.9.0)	Active		Library	100
jsk(1.2,1.2.0.1)	Active		Library	100
ohw-rcf(5,5.0)	Active		Library	100
ohw-uxc(5,5.0)	Active		Library	100
Oracle UCM Help	Active	OK	Web Application	225

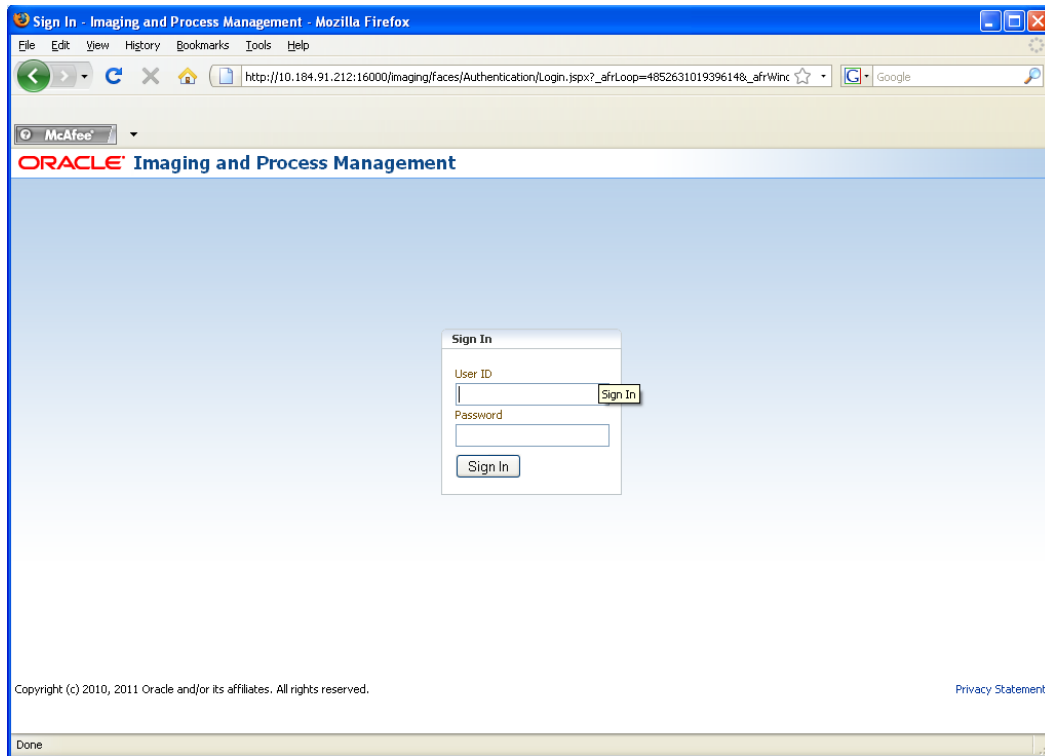
8. Imaging application should be up and running.

6. Creating FLEXCUBE Application

1. Open the Imaging application:

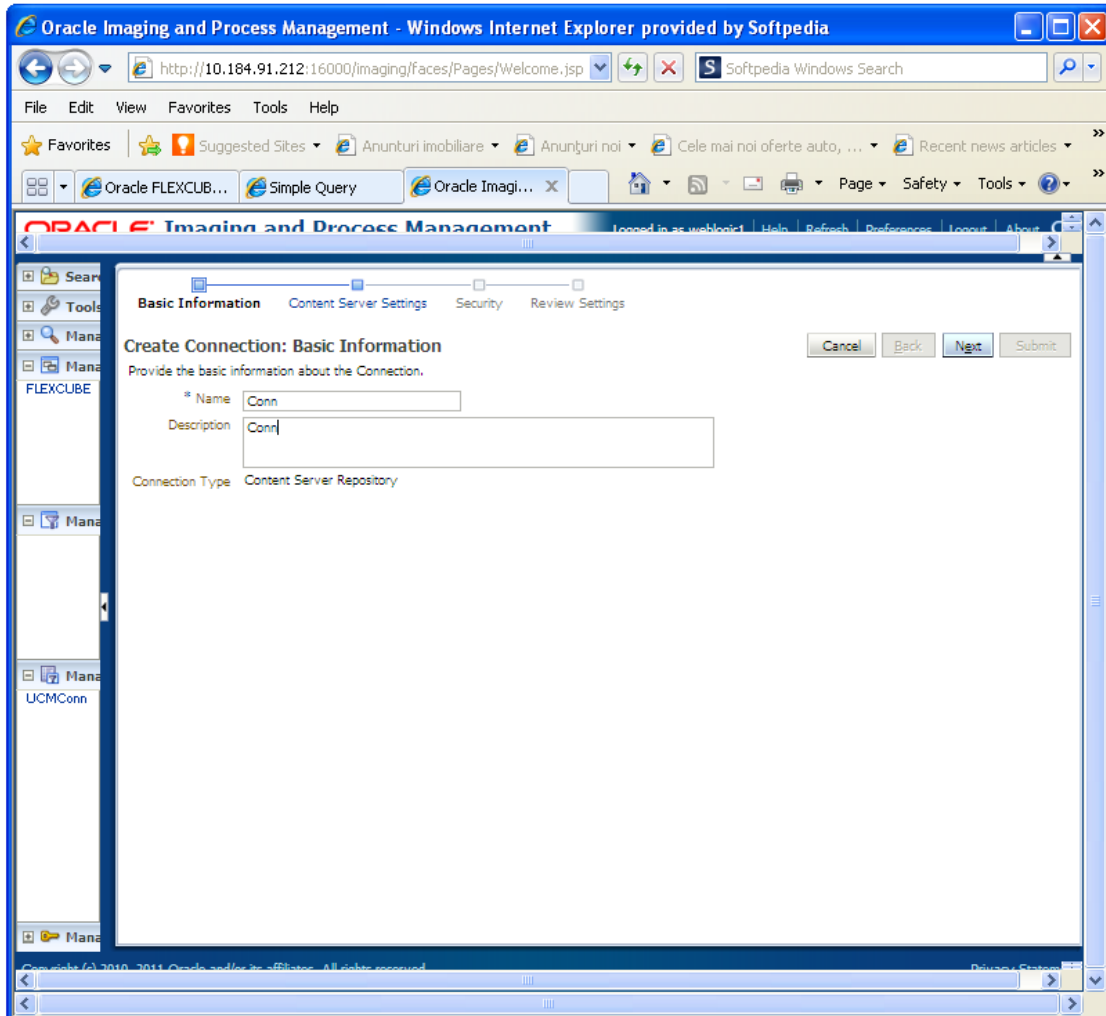
<http://<ip address>:16000/imaging>.

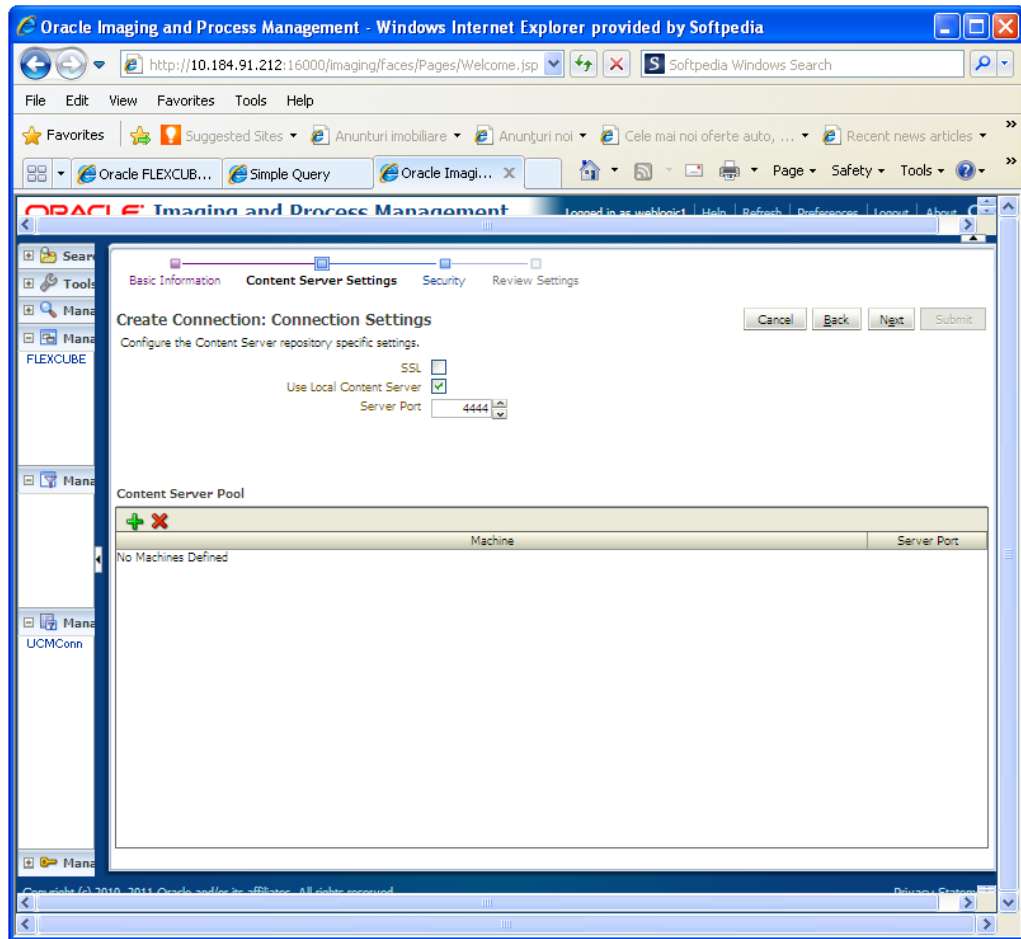
2. The following screen is displayed:

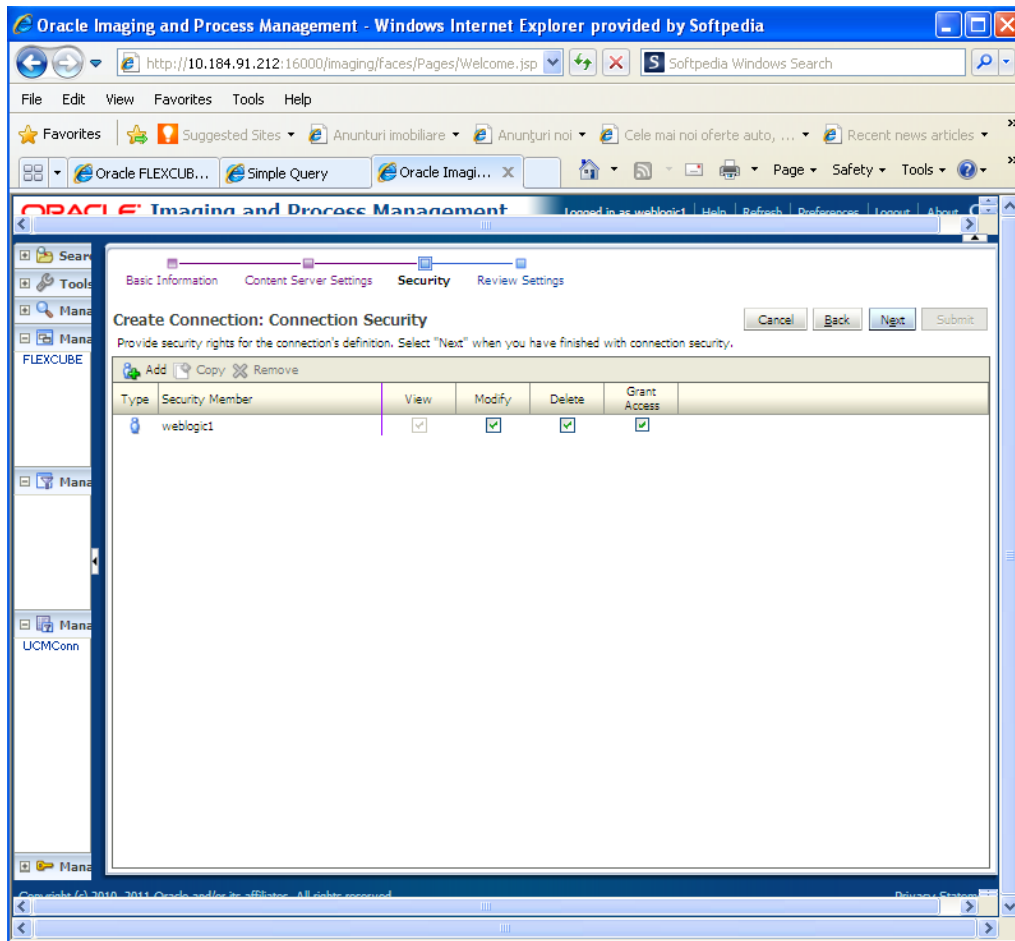


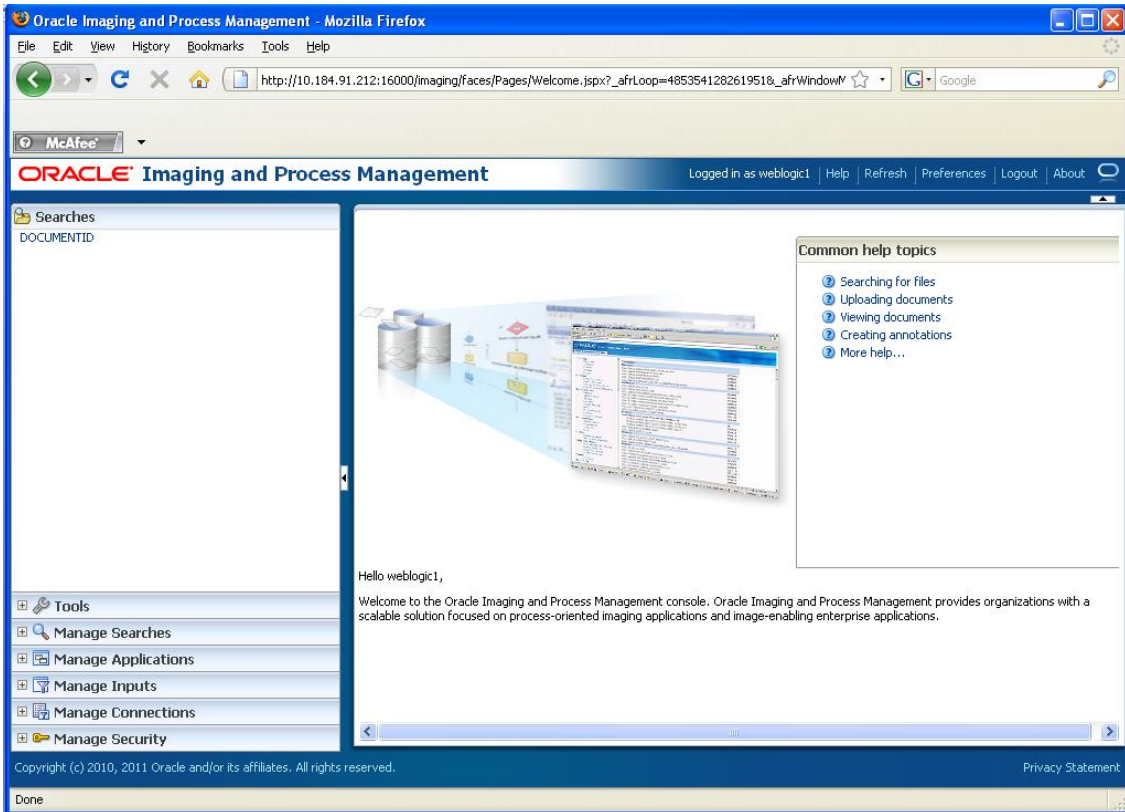
3. Login to imaging application.
4. Enter username/password and press Login.

5. Click on Manage Connections
6. Click on Create Content Server Connection

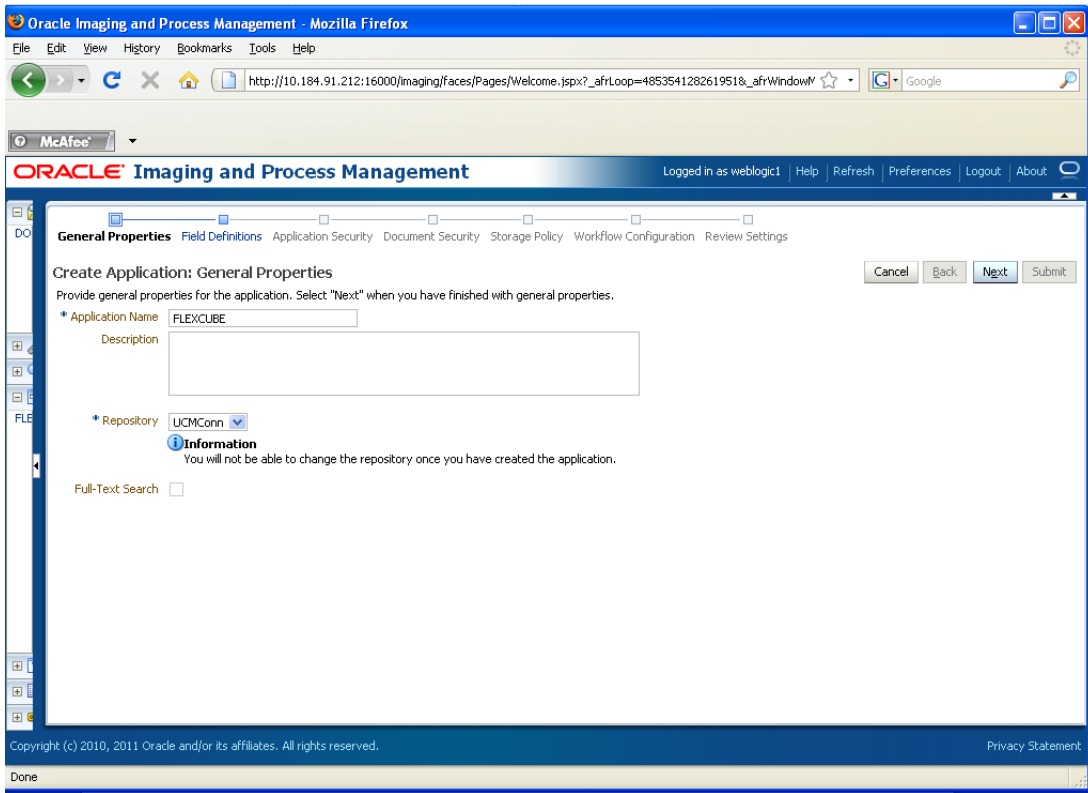




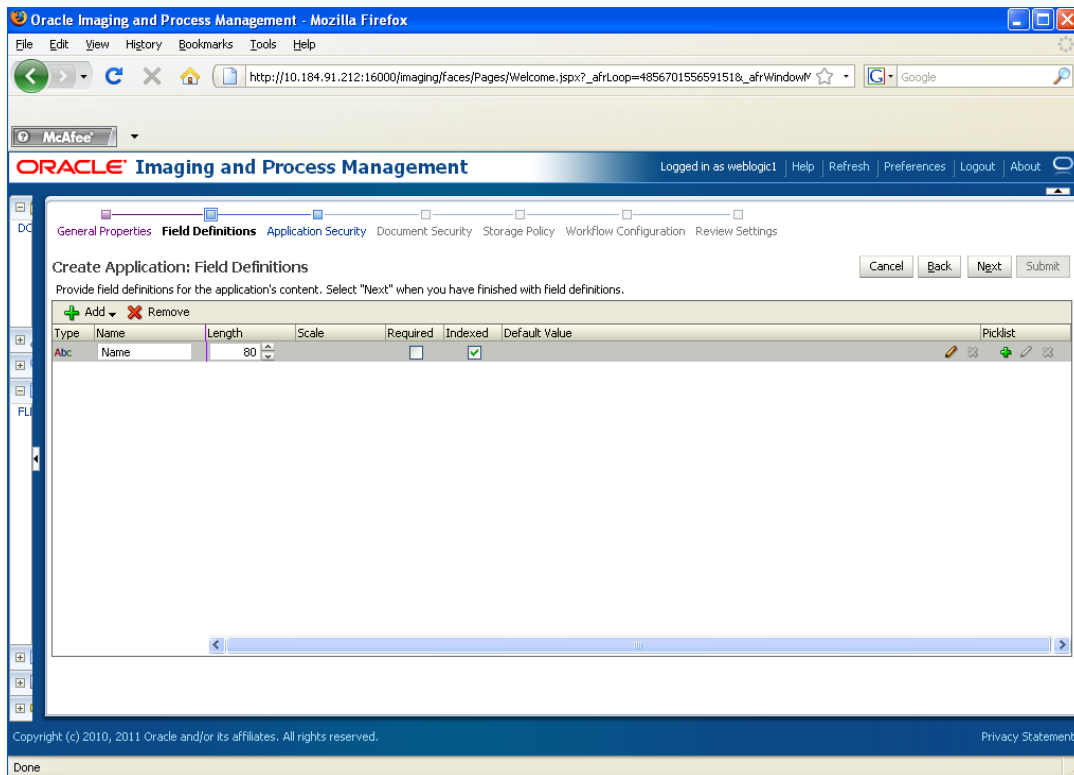


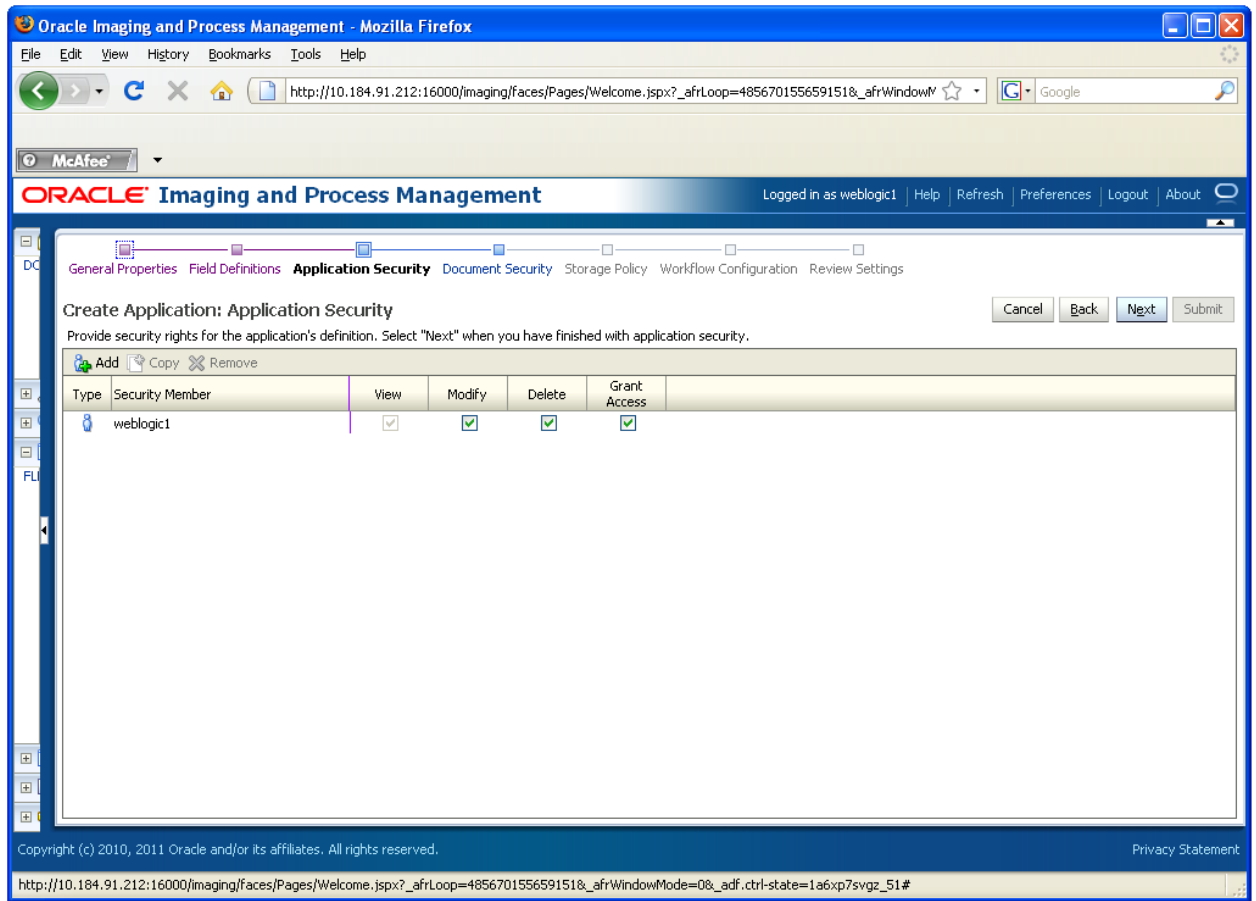


7. Click on Manage Applications
8. Click on add application

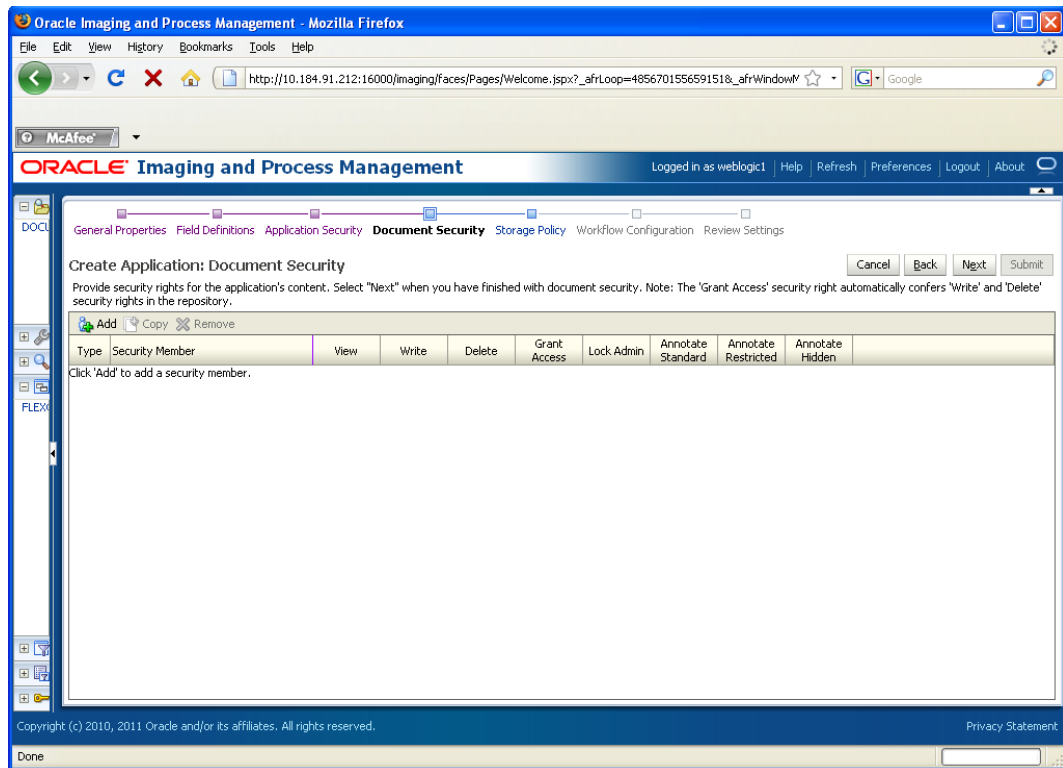


9. Click on next and add a field Name as Name

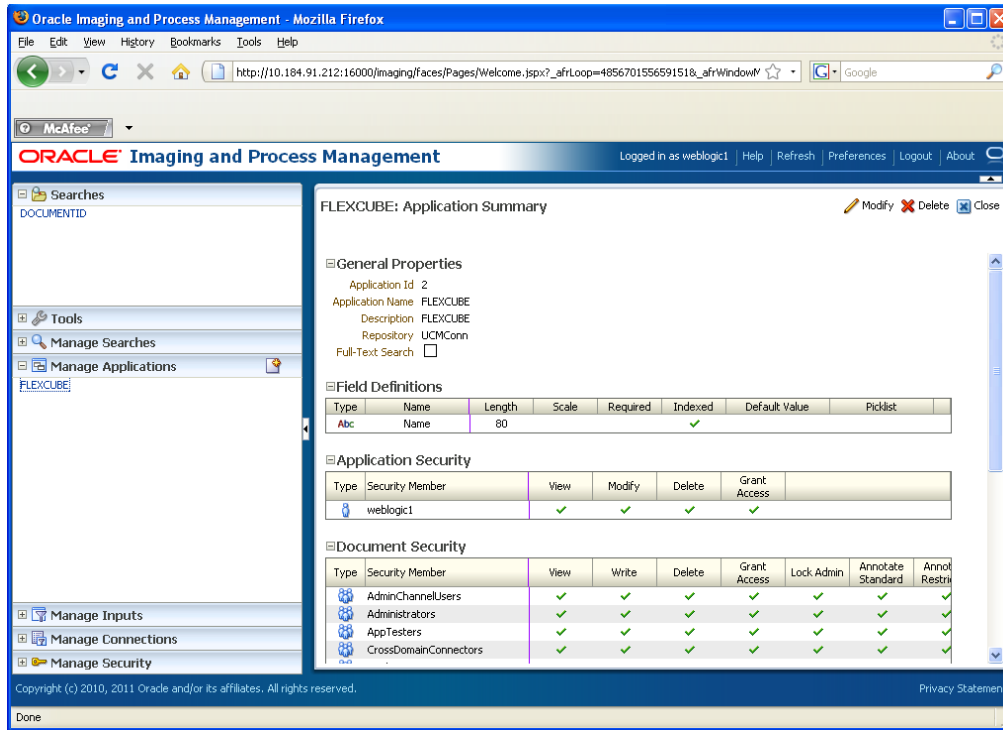




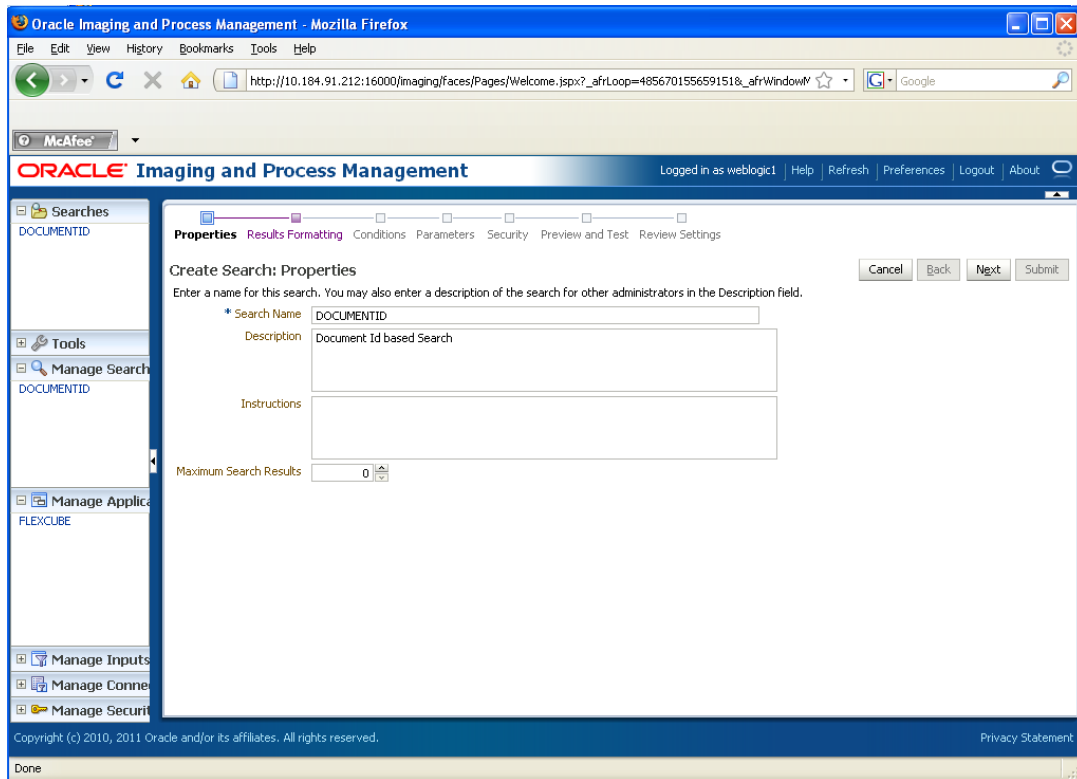
10. Click on next



11. Add security member giving all rights
12. Click on next .
13. Application Summary appears as:



14. Click on Manage search and add a search for documentID as :



15. Click on next and add all the details as shown

Oracle Imaging and Process Management - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://10.184.91.212:16000/imaging/faces/Pages/Welcome.jspx?_afLoop=485670155659151&_afWindowN

McAfee

ORACLE Imaging and Process Management Logged in as weblogic1 | Help | Refresh | Preferences | Logout | About

Searches
DOCUMENTID

Tools

Manage Searches
DOCUMENTID

Manage Applications
FLEXCUBE

Manage Inputs

Manage Connections

Manage Security

Properties **Results Formatting** Conditions Parameters Security Preview and Test Review Settings

Create Search: Results Formatting Cancel Back Next Submit

Select a source application or applications that you wish to return images from. Then select the fields in this application you wish to display to the user when their results are returned.

Source Application	Name	Document Id	Document Creation Date	Document Created By	Document Batch Id		
<input checked="" type="checkbox"/> FLEXCUBE	Name	Document Id	Document Cre	Document Cre	Document Bat		

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http://10.184.91.212:16000/imaging/faces/Pages/Welcome.jspx?_afLoop=485670155659151&_afWindowMode=0&_adf.ctrl-state=1a6xp7svgz_51#

The following screen appears after creation:

The screenshot shows the Oracle Imaging and Process Management web application in a Mozilla Firefox browser. The page title is "ORACLE Imaging and Process Management" and the user is logged in as "weblogic1". The main content area displays the configuration for a search named "DOCUMENTID".

DOCUMENTID: Search Summary Modify Delete Close

Properties

- Search Name: DOCUMENTID
- Description: Document Id based Search
- Instructions:
- Maximum Search Results: 0

Results Formatting

Source Application	Name	Document Id	Document Creation Date	Document Created By	Document Batch Id
FLEXCUBE	Name	Document Id	Document Creation D	Document Created By	Document Batch Id

Conditions

Application: FLEXCUBE

(Field	Operator	Value)	Conjunction
	Document Created By	Begins With	Parameter - Document Created By		

Parameters

Parameter Name	Prompt Text	Operator Text	Default Value	Picklist	Required	Read Only
Document Created By	Document Created By	Begins With				

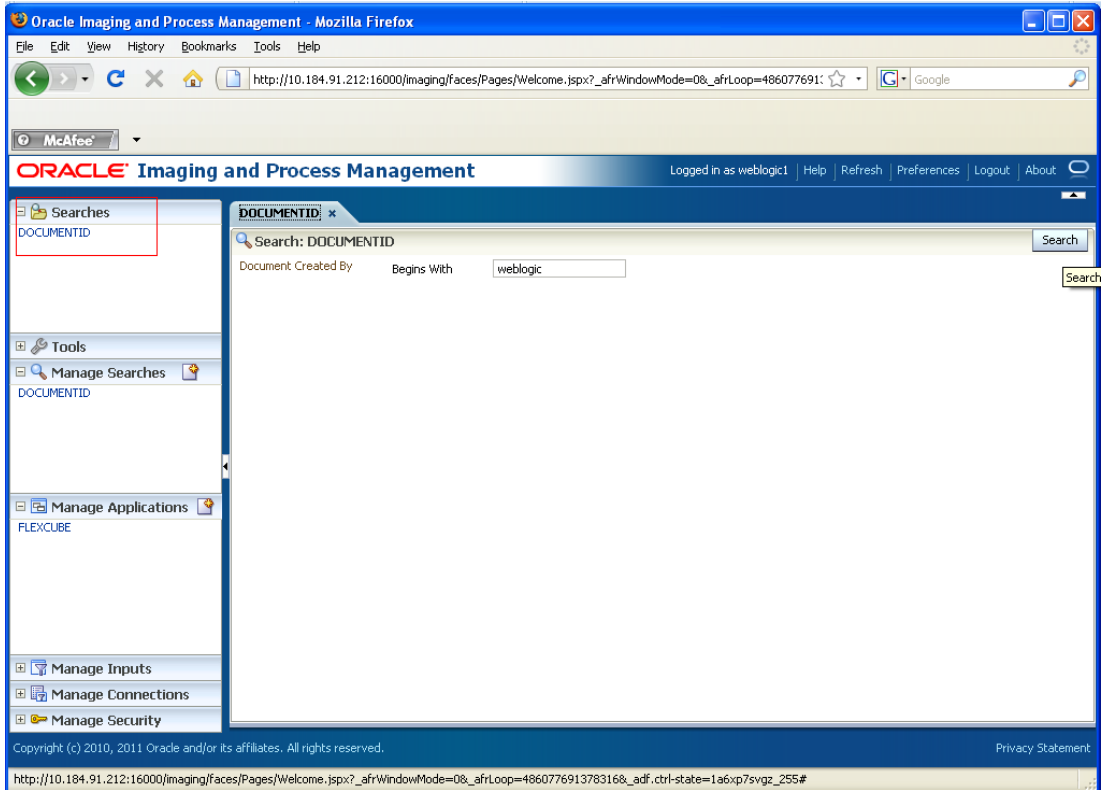
Security

Type	Security Member	View	Modifv	Delete	Grant

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Done

16. Click on Searches tab as shown and you will get the following screen .Type weblogic and click “search “ button



The following screen appears which contains all the documents that are uploaded.

The screenshot shows the Oracle Imaging and Process Management web application interface. The browser window title is "Oracle Imaging and Process Management - Mozilla Firefox". The address bar shows the URL: http://10.184.91.212:16000/Imaging/Faces/Pages/Welcome.jsp?_afWindowMode=0&_afLoop=486077691. The page header includes "ORACLE Imaging and Process Management" and "Logged in as weblogic1".

The main content area is titled "DOCUMENTID" and contains a search bar with the text "Search: DOCUMENTID". Below the search bar, there are filters for "Document Created By" and "Begins With" with the value "weblogic".

A table of documents is displayed with the following columns: Name, Document Id, Document Creation D, Document Created By, and Document Batch. The table contains 96 rows, with the first 10 rows visible in the screenshot. The "Search: DOCUMENTID" filter is applied to the table.

Name	Document Id	Document Creation D	Document Created By	Document Batch
	2.IPM_000325	2/23/2012	weblogic1	0
	2.IPM_000324	2/23/2012	weblogic1	0
	2.IPM_000322	2/23/2012	weblogic1	0
	2.IPM_000321	2/23/2012	weblogic1	0
	2.IPM_000320	2/23/2012	weblogic1	0
	2.IPM_000319	2/23/2012	weblogic1	0
	2.IPM_000317	2/23/2012	weblogic1	0
	2.IPM_000316	2/23/2012	weblogic1	0
	2.IPM_000315	2/23/2012	weblogic1	0
	2.IPM_000314	2/23/2012	weblogic1	0

Rows returned: 96

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UCM Server Setup
[September] [2015]
Version 12.1.0.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

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