

UCM Server Setup  
Oracle FLEXCUBE Universal Banking  
Release 12.2.0.0.0  
[May] [2016]



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# Table of Contents

<b>ORACLE FLEXCUBE UNIVERSAL BANKING .....</b>	<b>0</b>
<b>RELEASE 12.2.0.0.0.....</b>	<b>0</b>
<b>1. INTRODUCTION .....</b>	<b>1-1</b>
1.1 BACKGROUND .....	1-1
1.2 ORGANIZATION OF THE DOCUMENT .....	1-1
1.3 ACRONYMS AND ABBREVIATIONS .....	1-1
<b>2. PREREQUISITES.....</b>	<b>2-1</b>
2.1 CREATE REPOSITORY IN ORDER TO CONFIGURE THE APPLICATION .....	2-1
<b>3. UCM SERVER SETUP.....</b>	<b>3-1</b>
<b>4. CONFIGURING THE ECM APPLICATION SERVER: .....</b>	<b>4-1</b>
4.1 INTRODUCTION.....	4-1
4.2 NEW DOMAIN CONFIGURATION .....	4-1
<b>5. CHECKING THE DEPLOYMENT SUMMARY .....</b>	<b>5-1</b>
<b>6. CREATING FLEXCUBE APPLICATION .....</b>	<b>6-1</b>

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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

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## 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

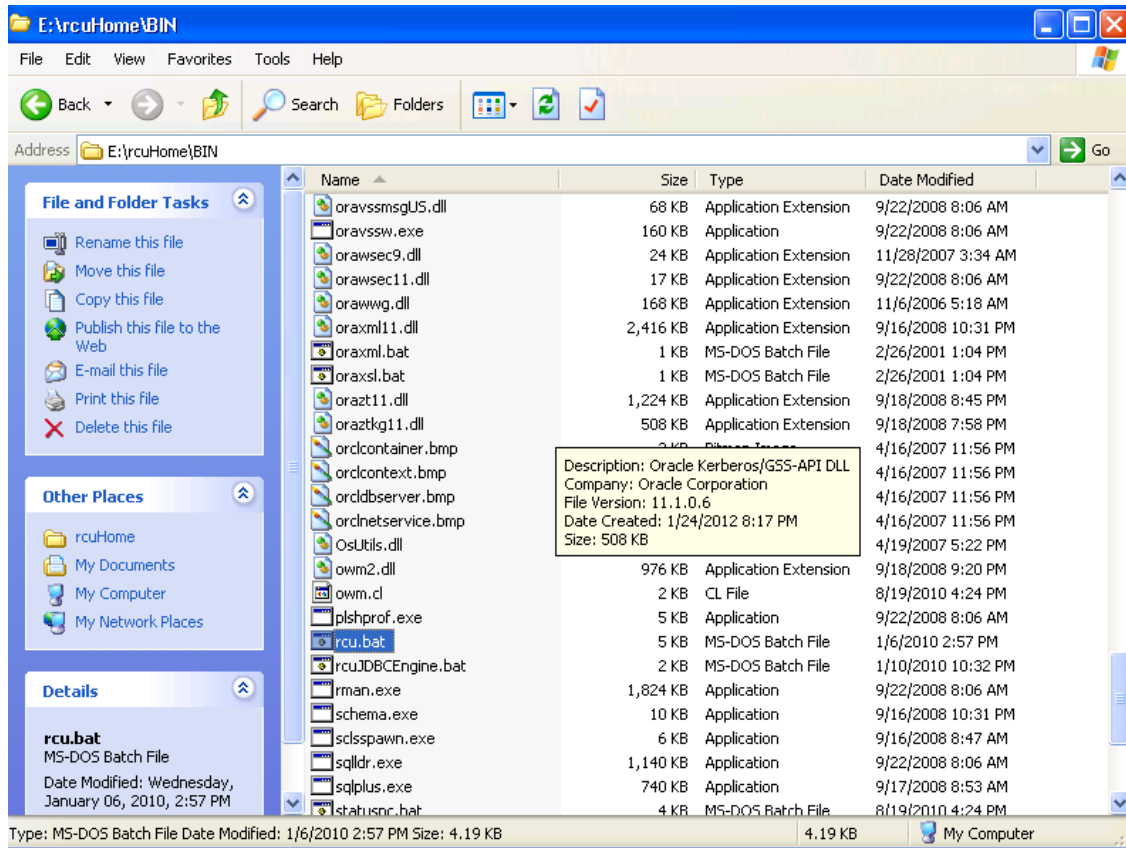
<http://www.oracle.com/technetwork/middleware/soasuite/downloads/index.html>

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

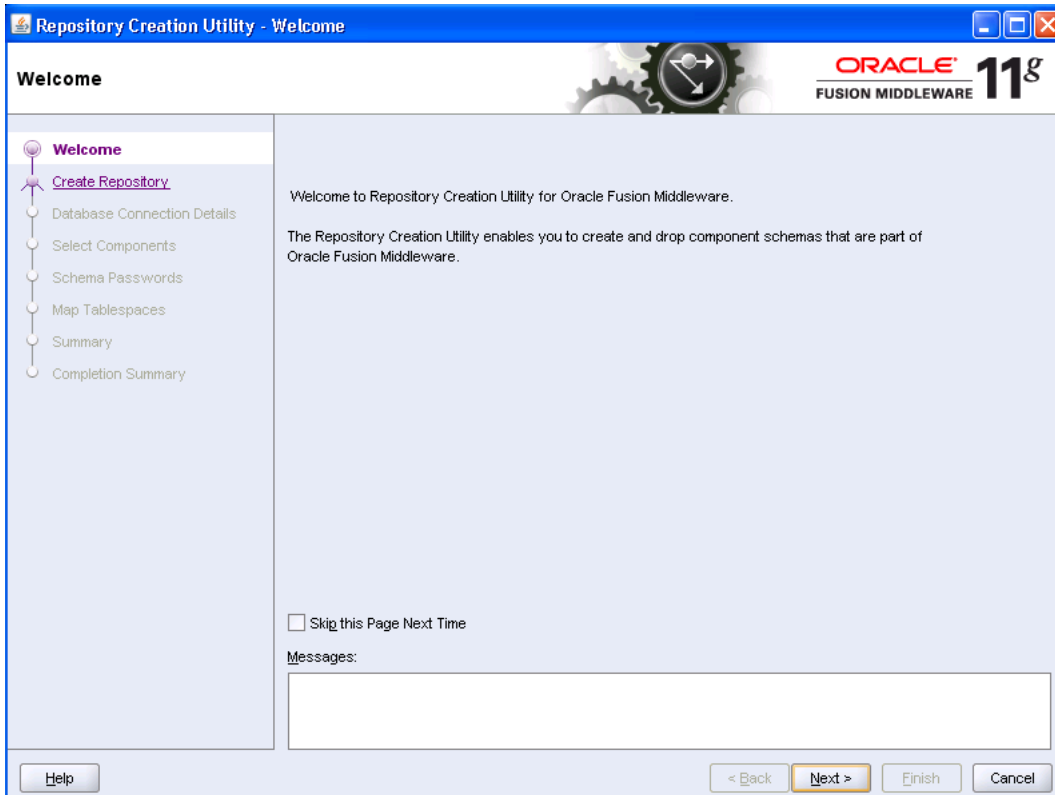
`<rcu_home>\BIN`

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<sup>g</sup>

[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:

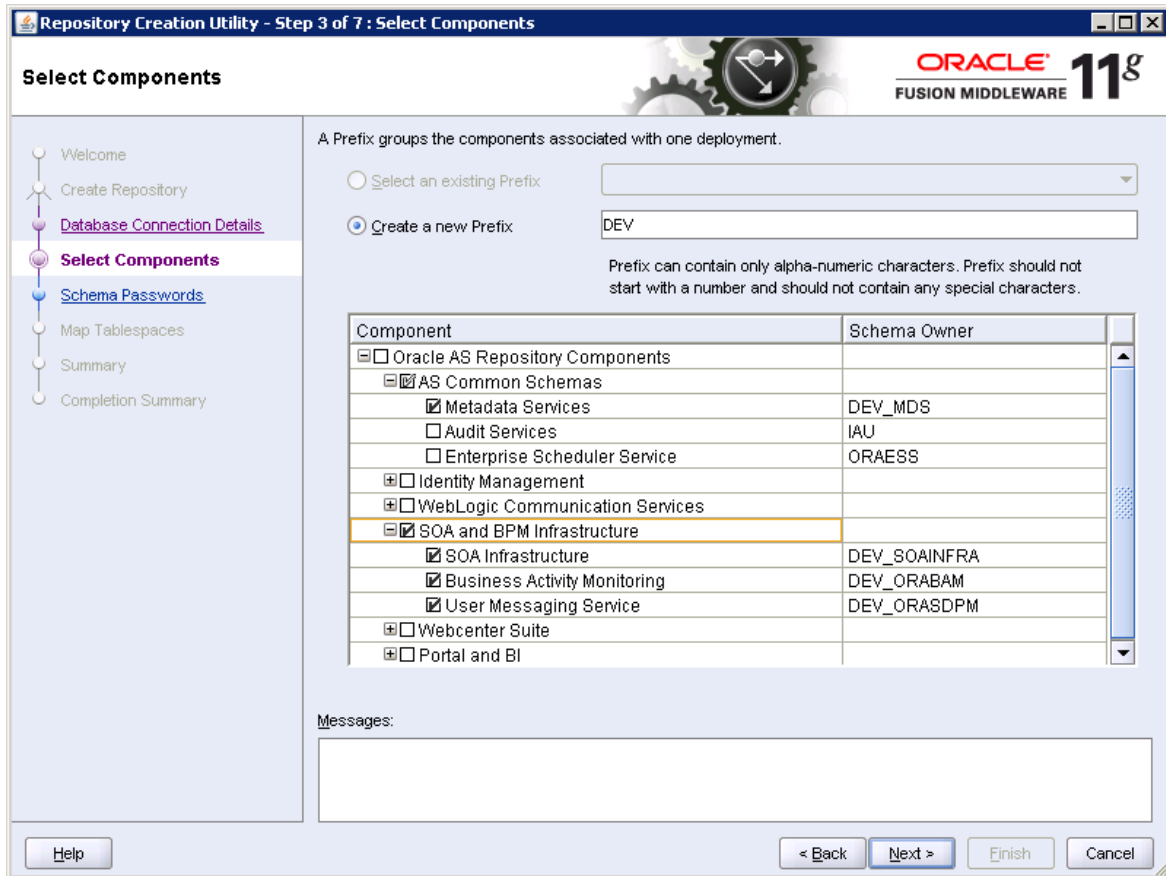
6. Provide oracle database connection properties
7. SYS credentials are required.

Repository Creation Utility - Checking Prerequisites

Checking Global Prerequisites

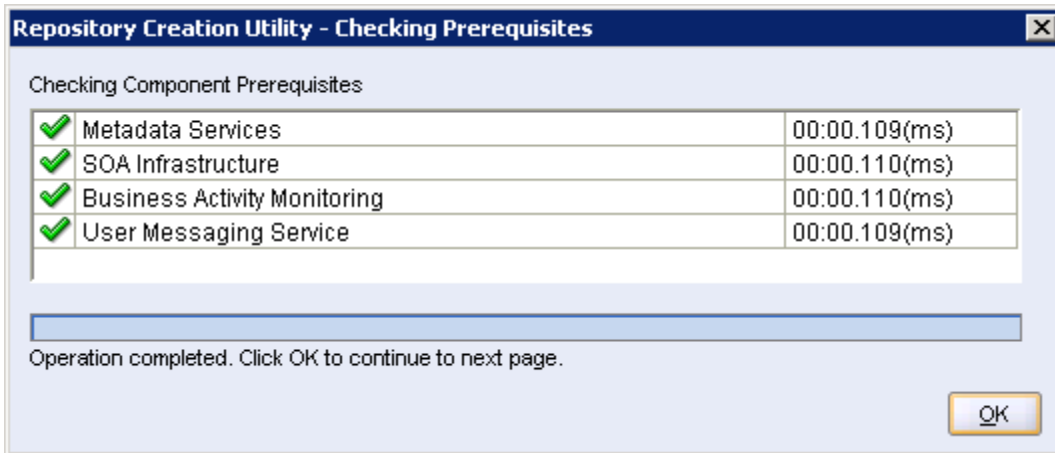
✓	Initializing repository configuration metadata	00:02.266(sec)
✓	Obtain properties of the specified database	00:00.110(ms)
✓	Check requirement for specified database	00:00.437(ms)
✓	Execute pre create operations	00:00.984(ms)

Operation completed. Click OK to continue to next page.

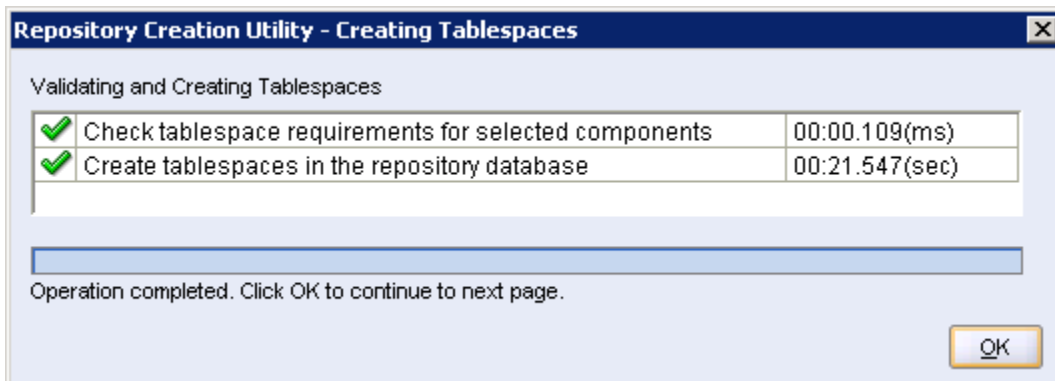


8. The prefix option is provided so that multiple soa schemas can be in the same instance.
9. Select Enterprise Content Management
  - DEV\_OCS
  - DEV\_OCSSEARCH
  - DEV\_IPM

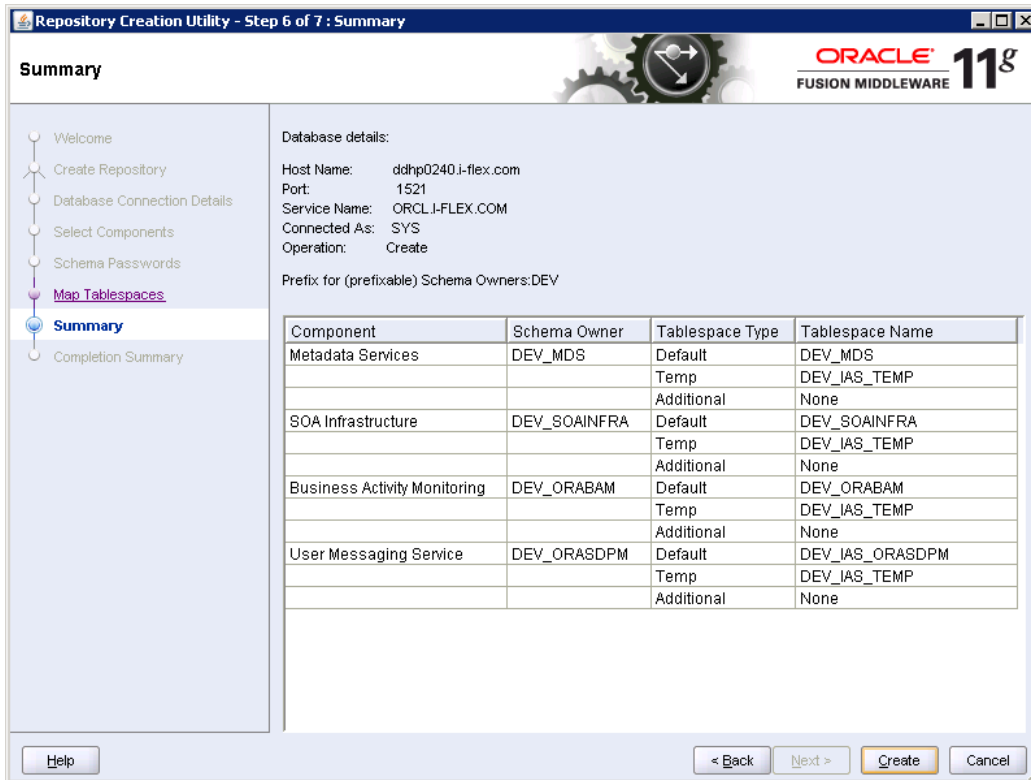




10. Please make a note of the password / passwords being used.



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>

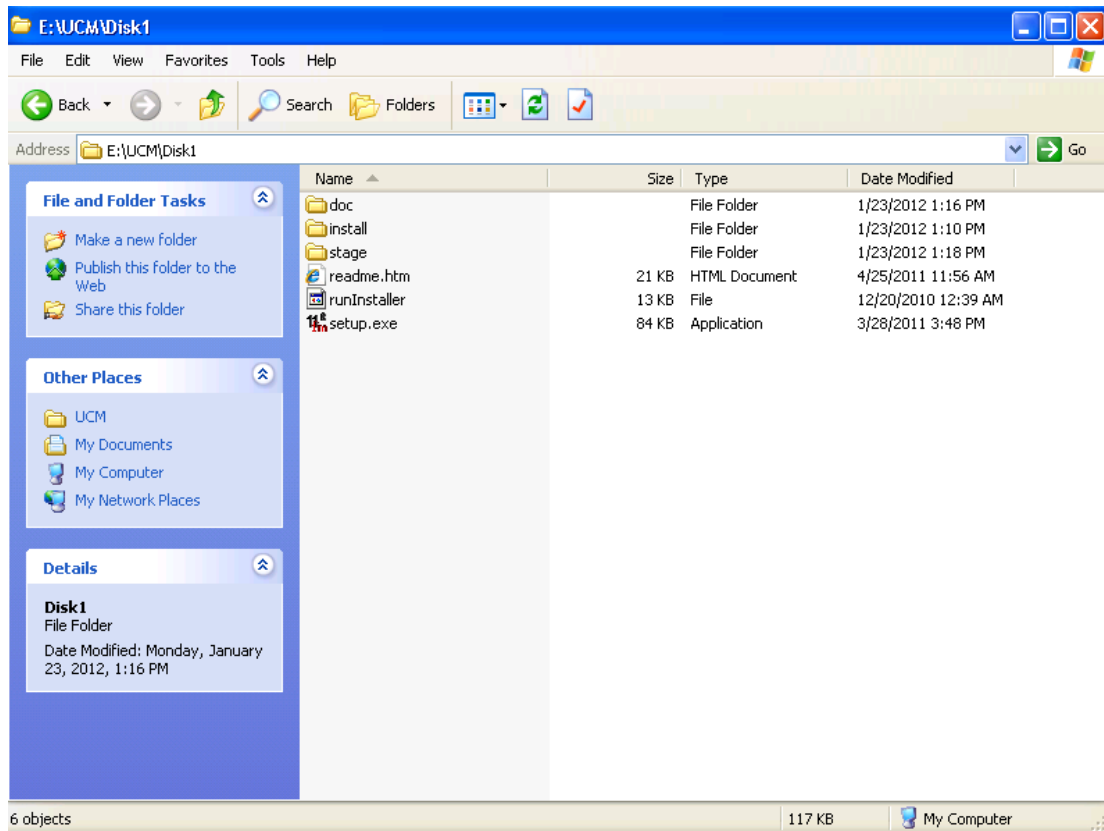
2. At the right top corner there is a search box, where searching for string <11.1.1.5>
3. Search for <Enterprise Content> in the result page and found a zip which is downloadable.
4. Download Enterprise Content Management

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

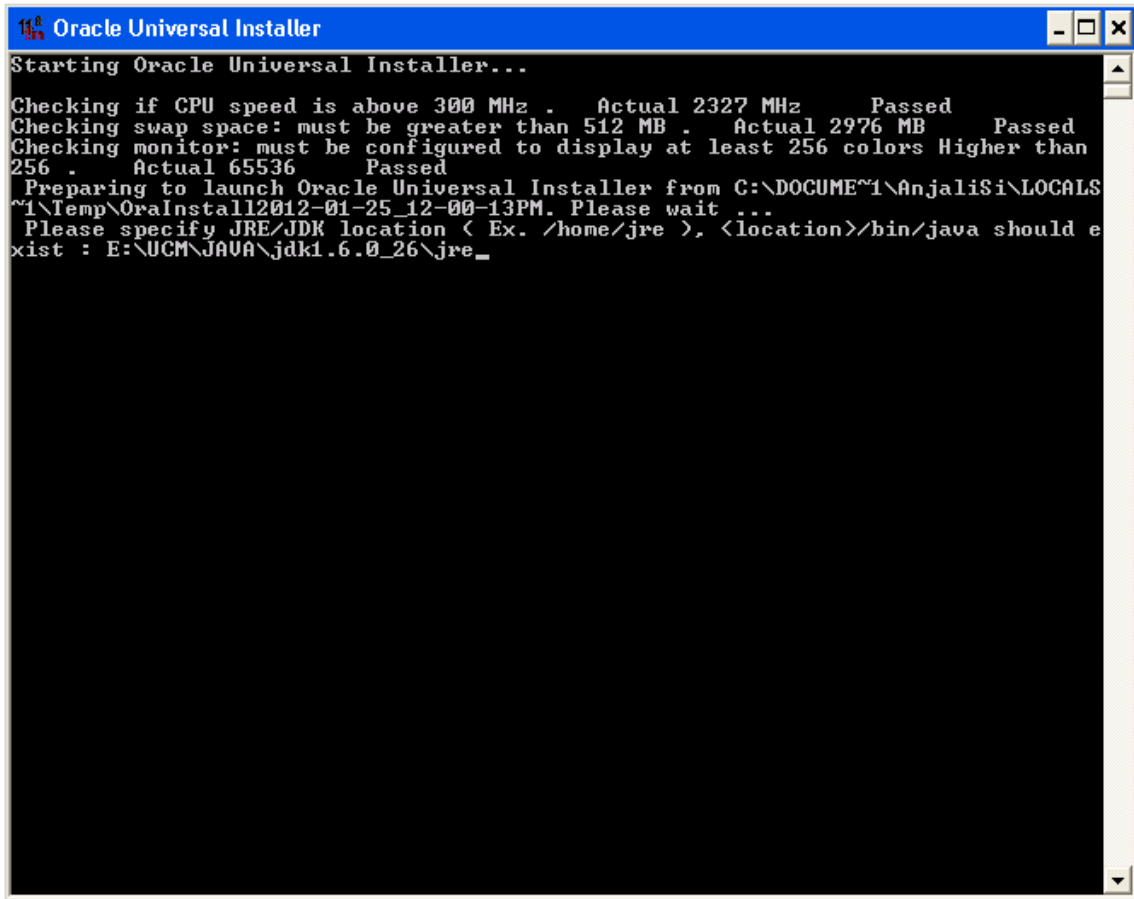
[Oracle Enterprise Content Management 11g \(11.1.1.5.0\) \(zip file 2 of 2\)](#)

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

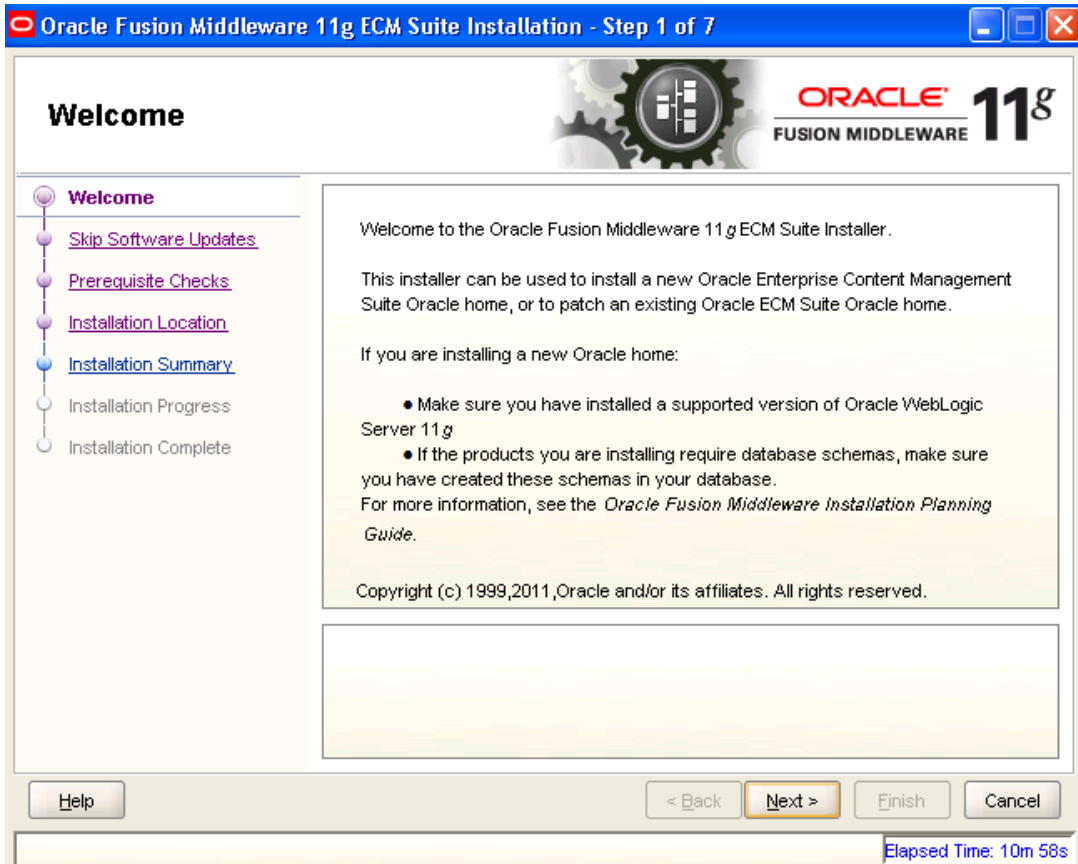
5. Extract all the files and Install them on the server machine.



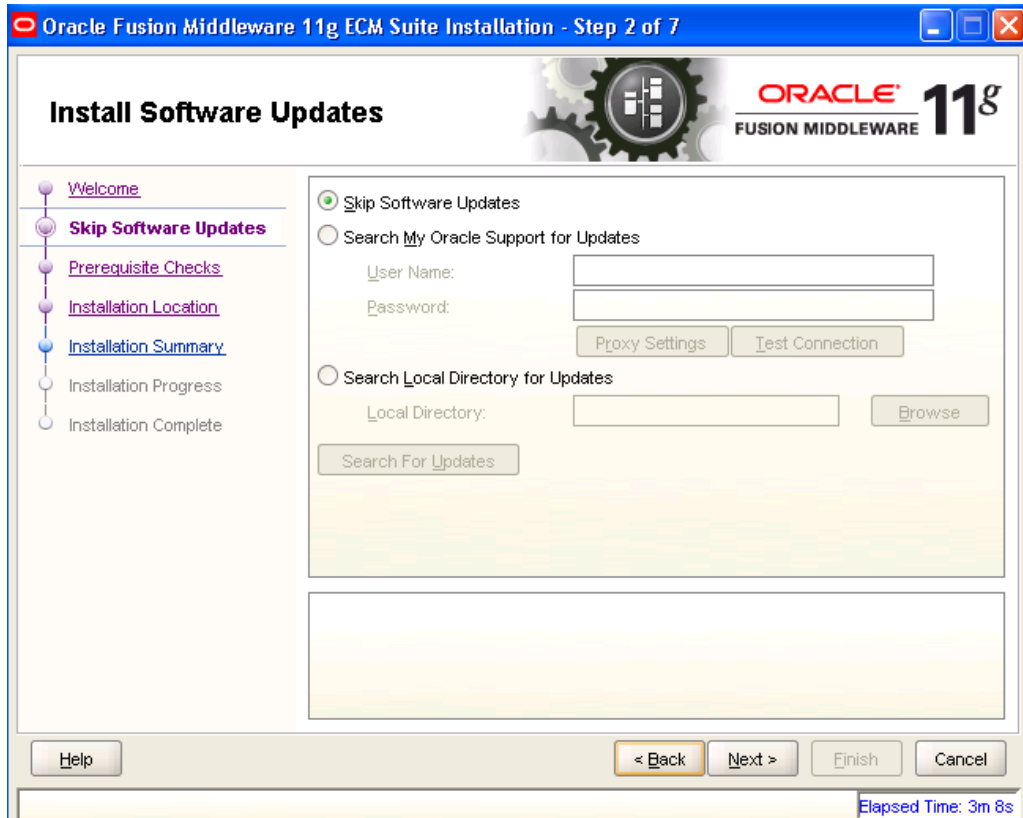
6. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.6.0.26\jre.



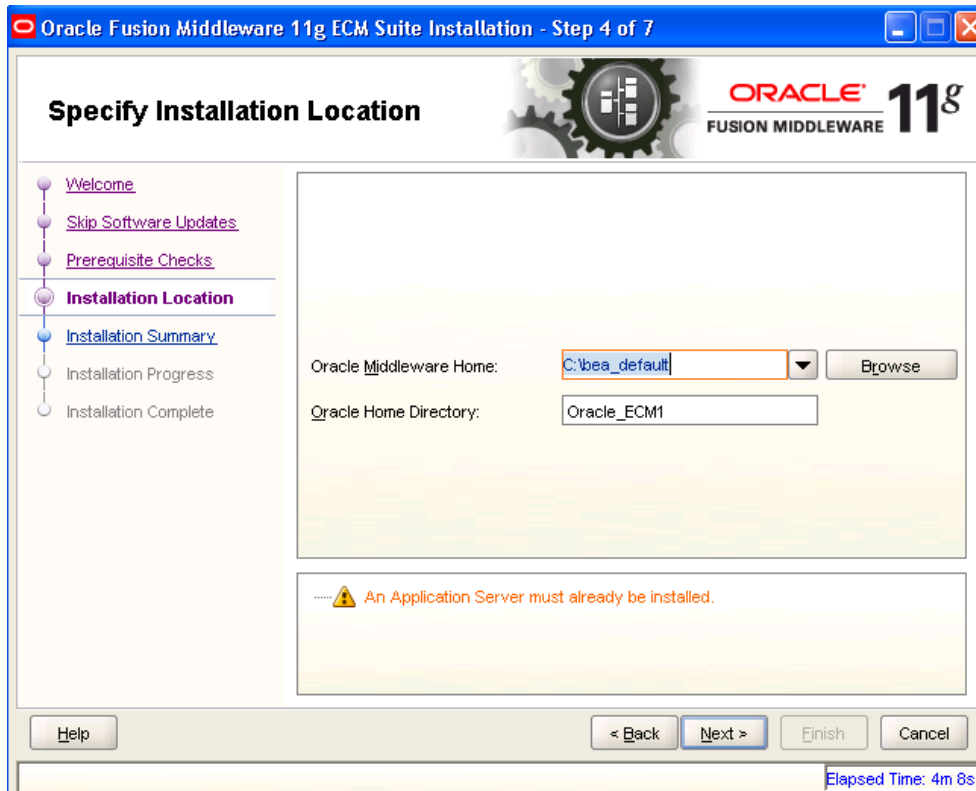
```
Oracle Universal Installer
Starting Oracle Universal Installer...
Checking if CPU speed is above 300 MHz . Actual 2327 MHz Passed
Checking swap space: must be greater than 512 MB . Actual 2976 MB Passed
Checking monitor: must be configured to display at least 256 colors Higher than
256 . Actual 65536 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

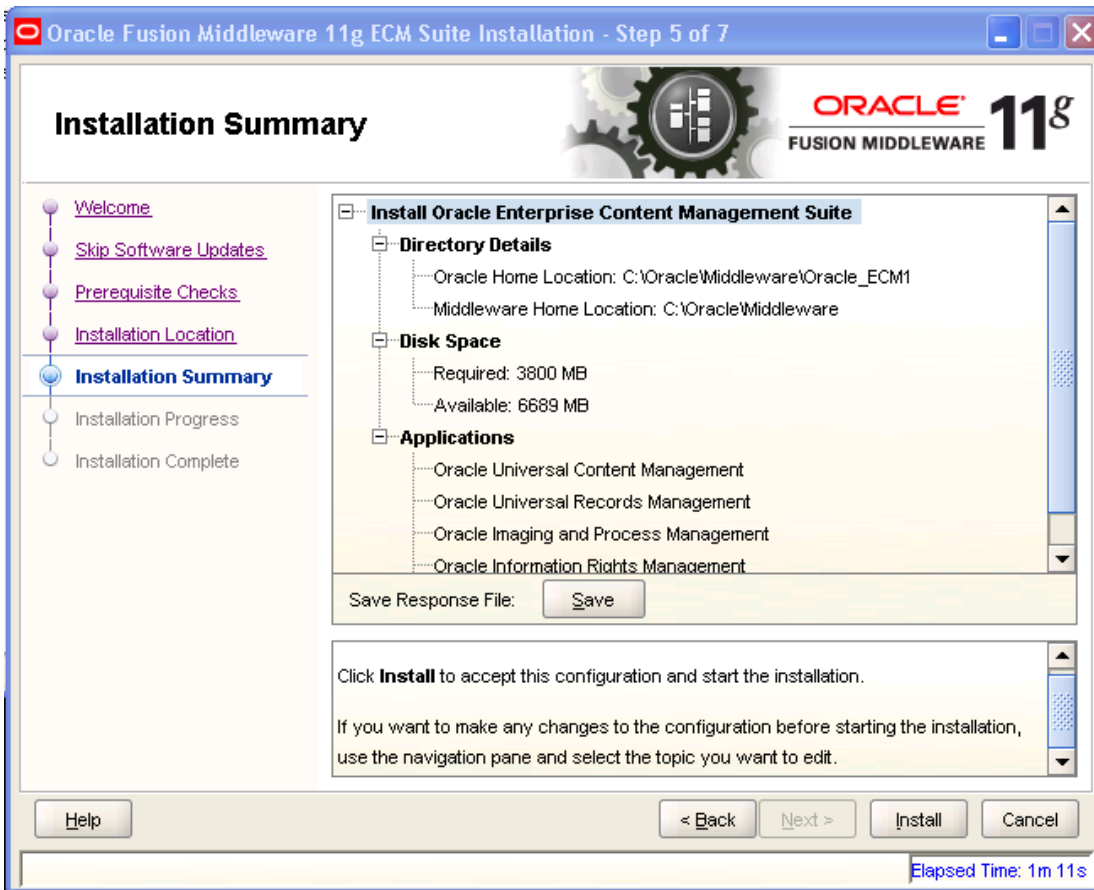


8. Click 'Next' to navigate to specify Installation Location.



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



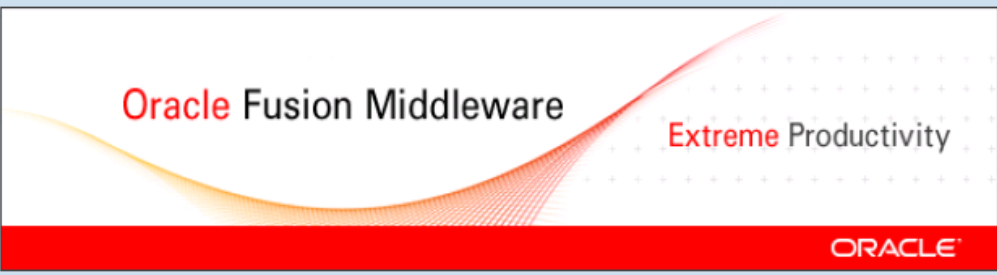
- Welcome
- Skip Software Updates
- Prerequisite Checks
- Installation Location
- Installation Summary
- Installation Progress**
- Installation Complete

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

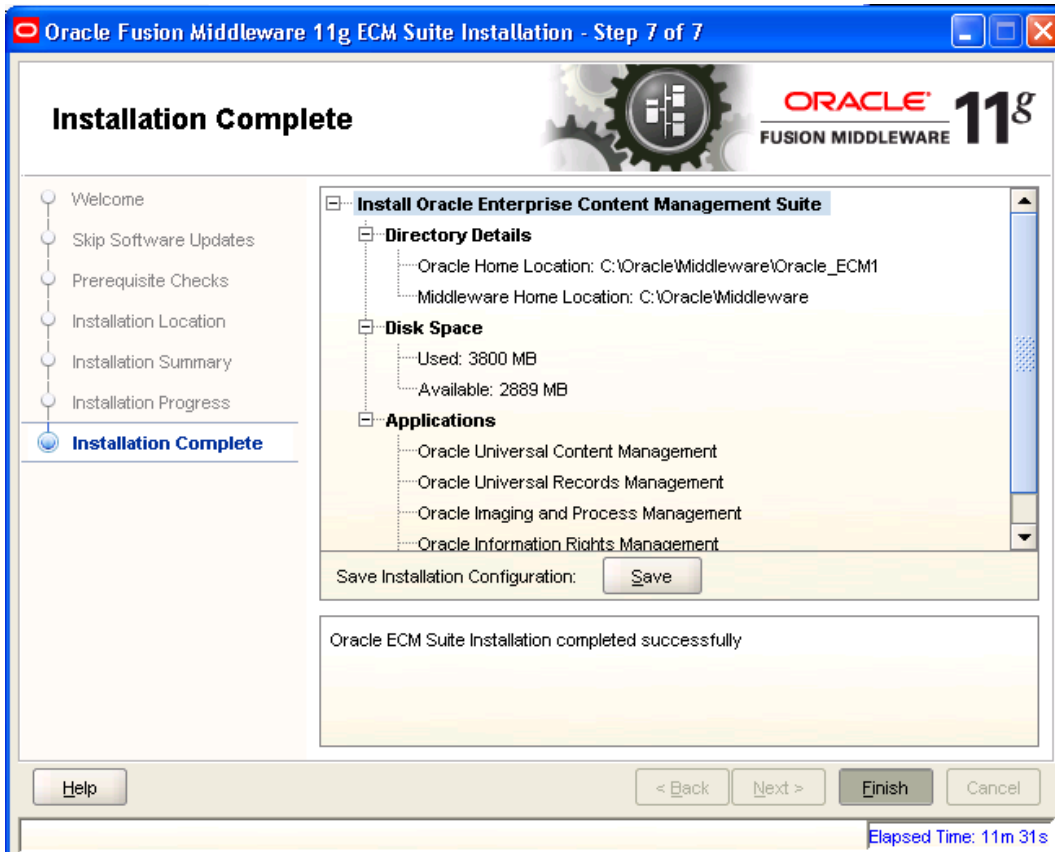


Oracle Fusion Middleware Extreme Productivity

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.

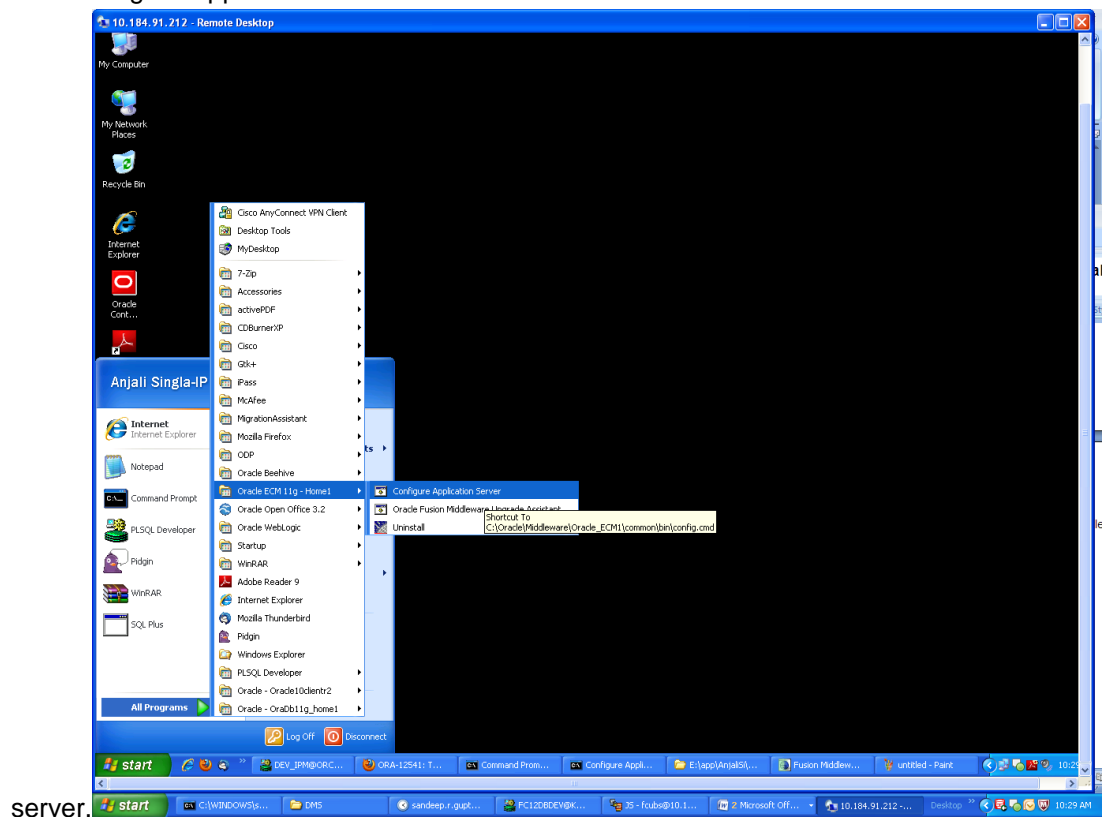
## 4. Configuring the ECM application server:

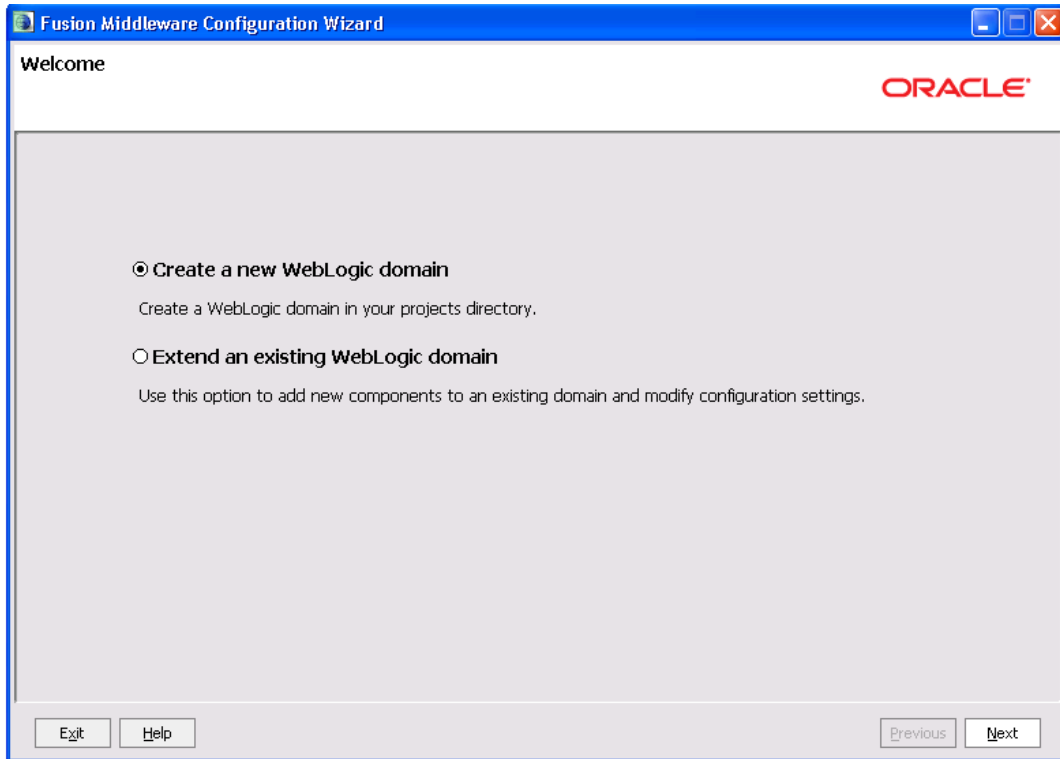
### 4.1 Introduction

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

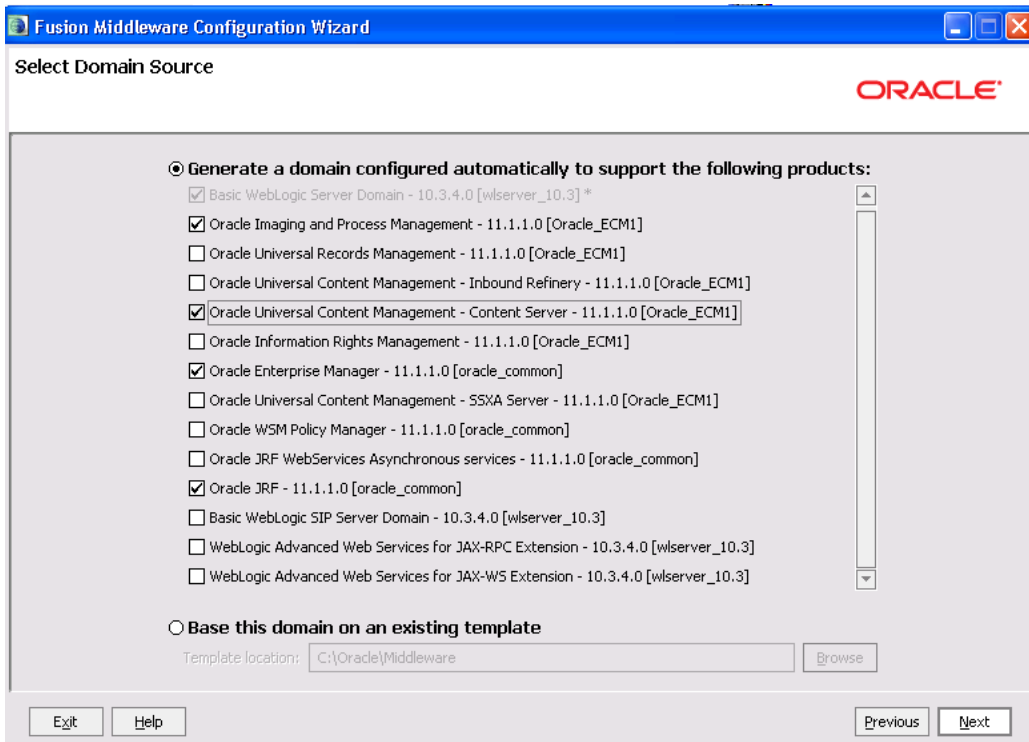
### 4.2 New Domain Configuration

#### 1. Run Configure Application

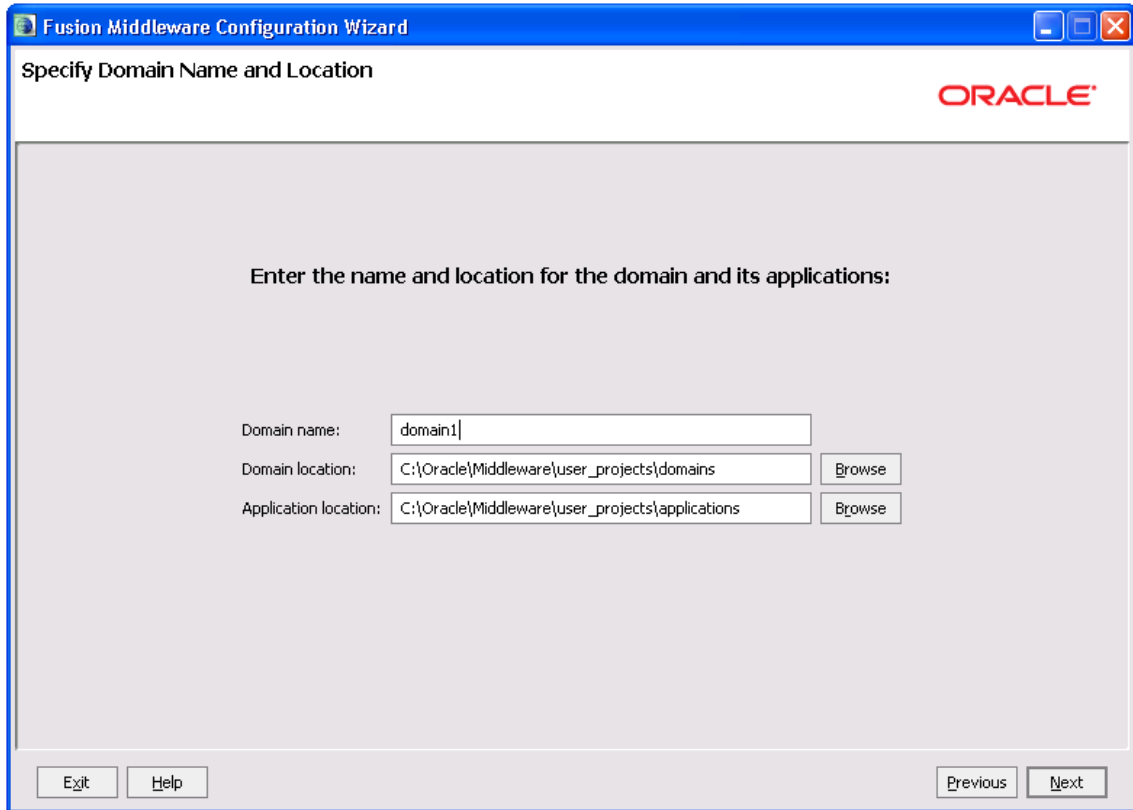




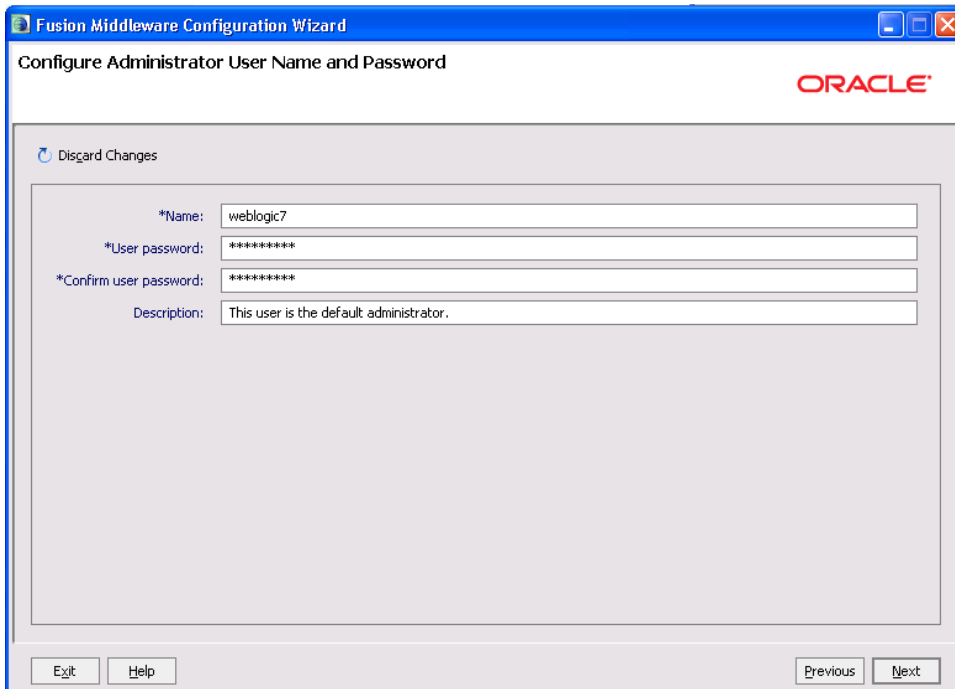
2. Create a new domain / extend an existing domain to include ECM suite components.



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

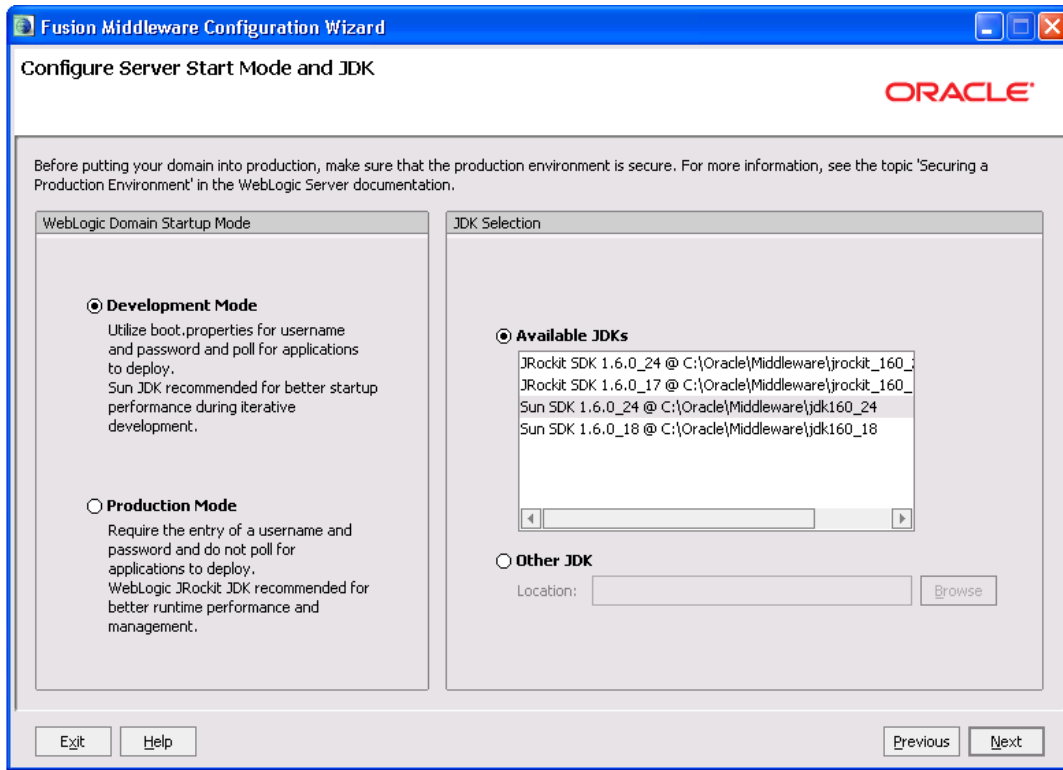


The screenshot shows the 'Specify Domain Name and Location' step of the Fusion Middleware Configuration Wizard. The window title is 'Fusion Middleware Configuration Wizard'. The Oracle logo is in the top right corner. The main text reads 'Enter the name and location for the domain and its applications:'. Below this, 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 of the window, 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. A 'Discard Changes' link is visible. The main area contains four input fields: '\*Name' with the value 'weblogic7', '\*User password' with masked characters '\*\*\*\*\*', '\*Confirm user password' with masked characters '\*\*\*\*\*', and 'Description' with the value 'This user is the default administrator.'. At the bottom of the window, 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: \*\*\*\*\*

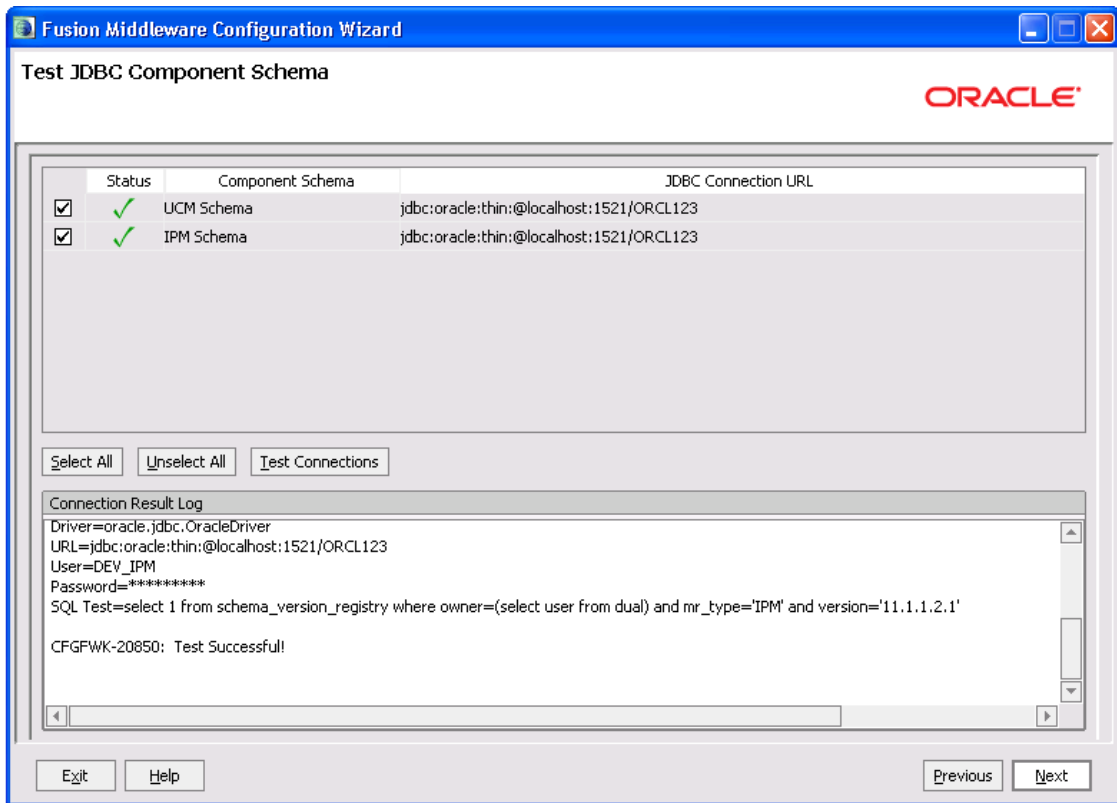
Configure selected component schemas as RAC multi data source schemas in the next panel.

	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	*****

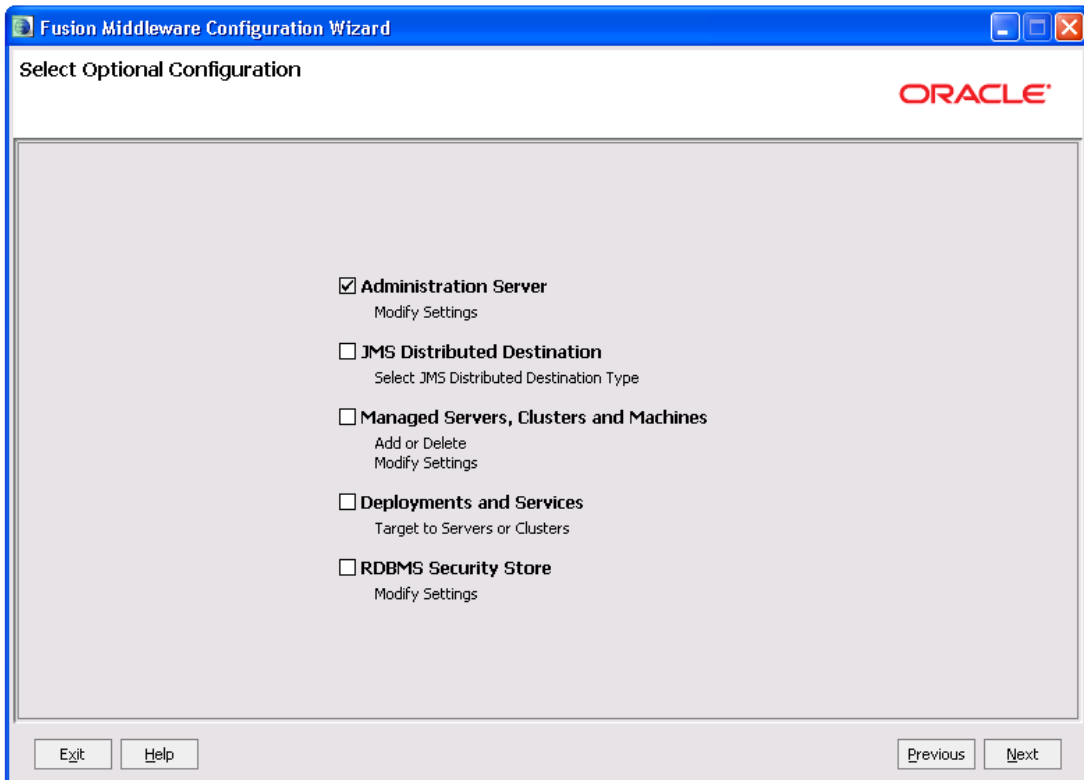
Exit Help Previous Next

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.

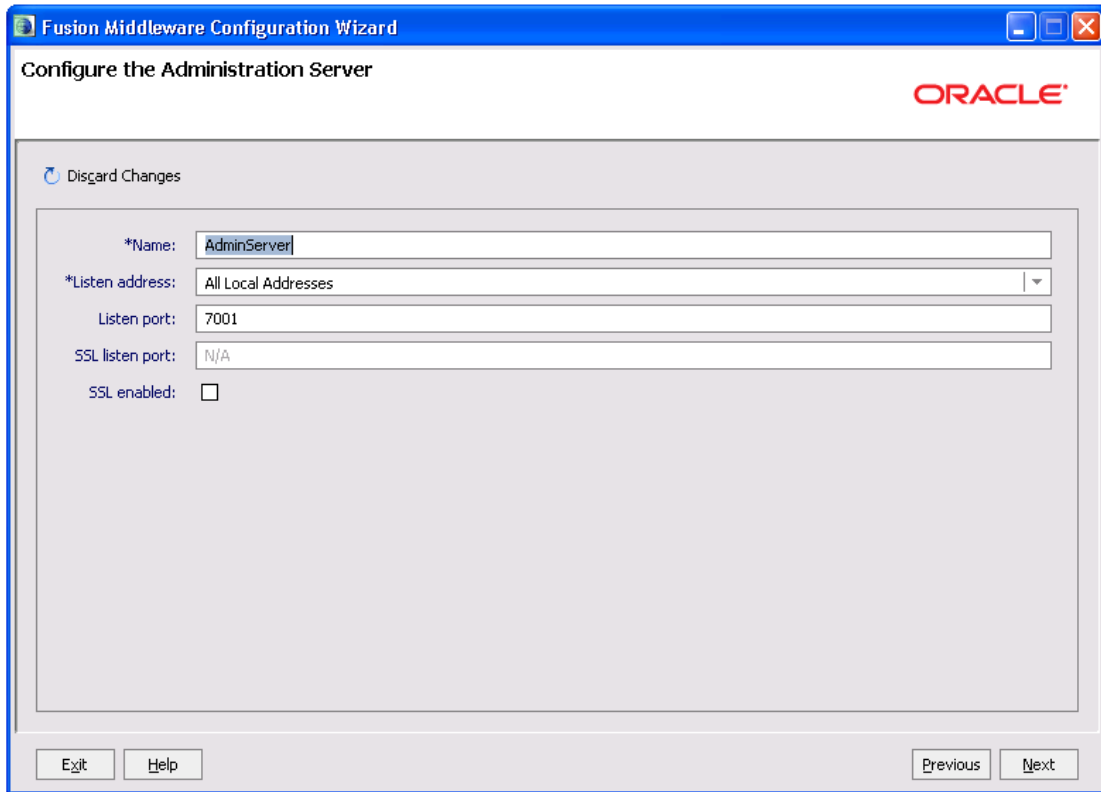




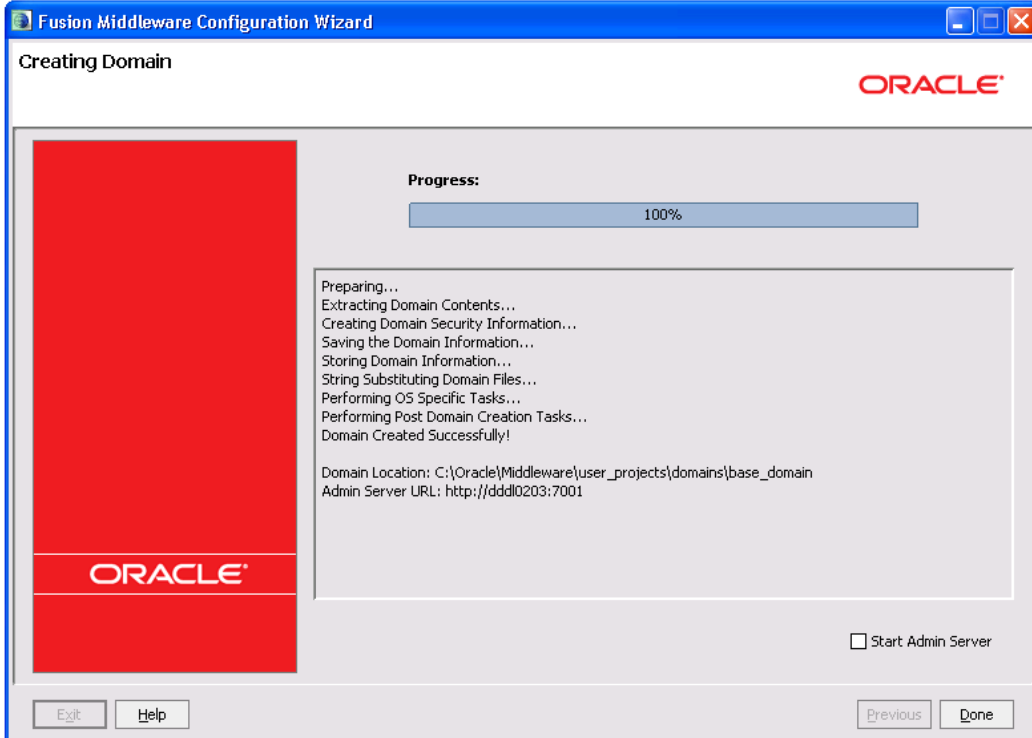
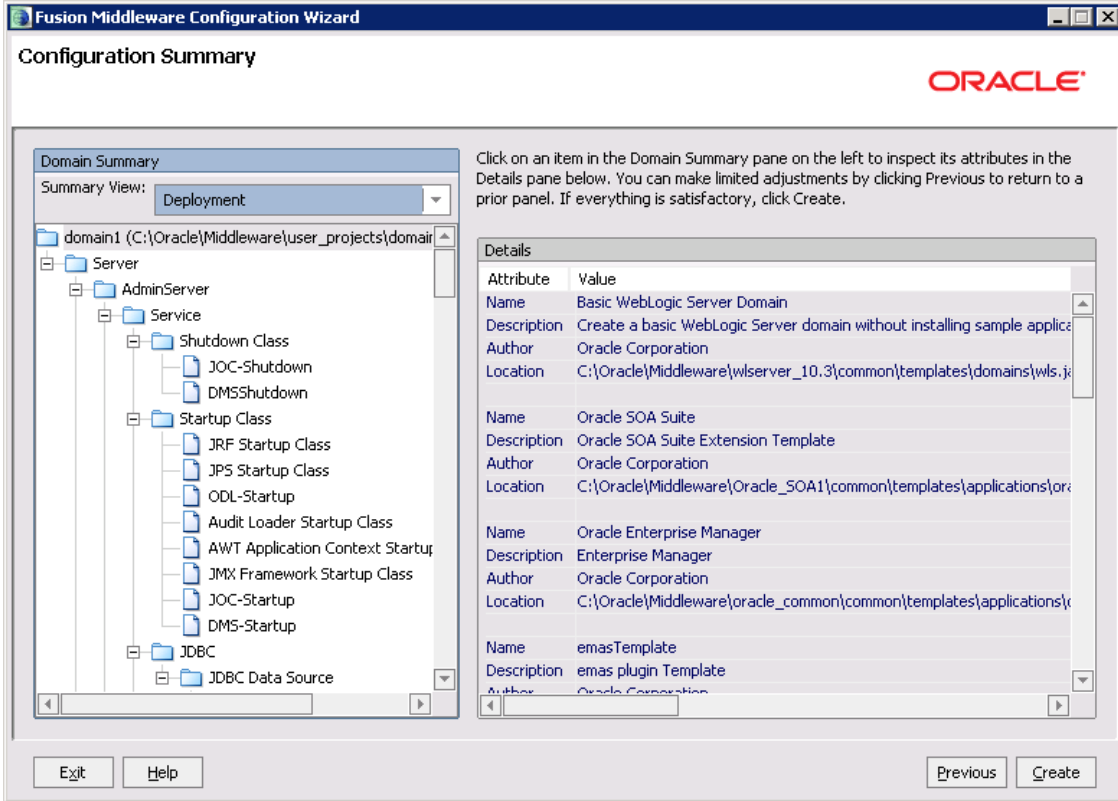
8. Test the database connectivity



9. Select the Administration Server



10. Configure the admin server.

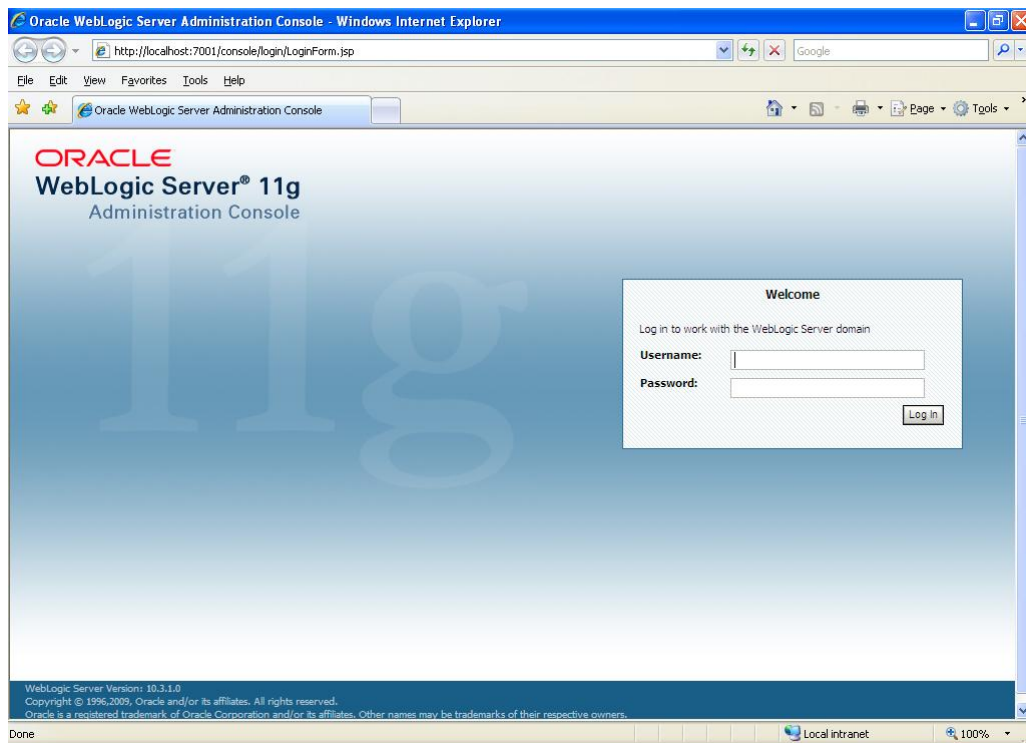


## 5. Checking the Deployment Summary

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 interface. The main content area is titled "Summary of Deployments" and contains a table of installed applications. The table has the following columns: Name, State, Health, Type, and Deployment Order. All applications listed are in an "Active" state with a "Health" of "OK".

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

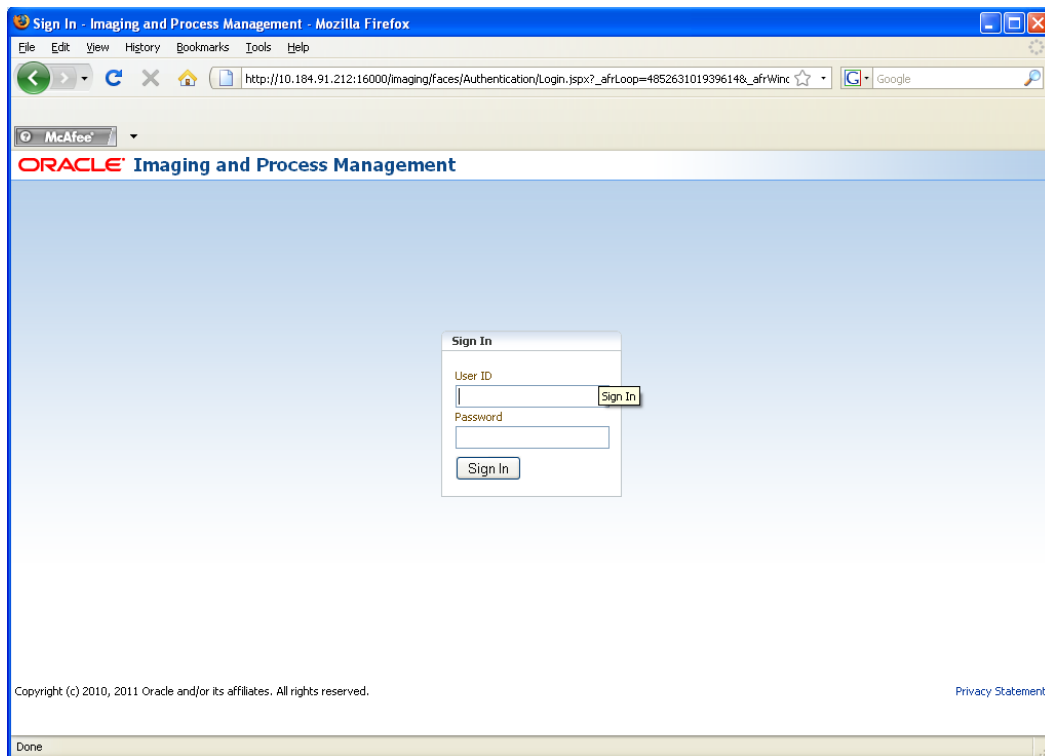
8. Imaging application should be up and running.

## 6. Creating FLEXCUBE Application

1. Open the Imaging application:

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

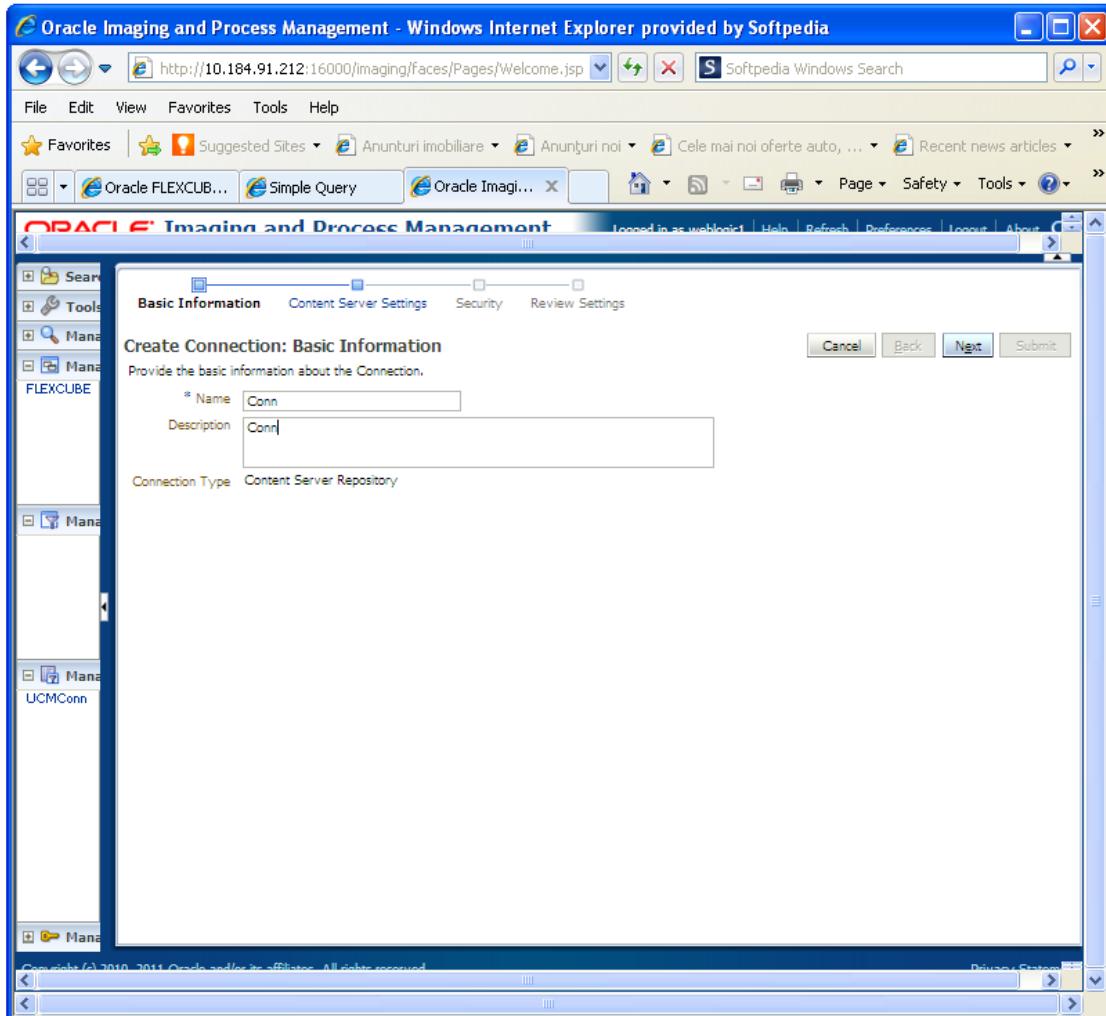
2. The following screen is displayed:

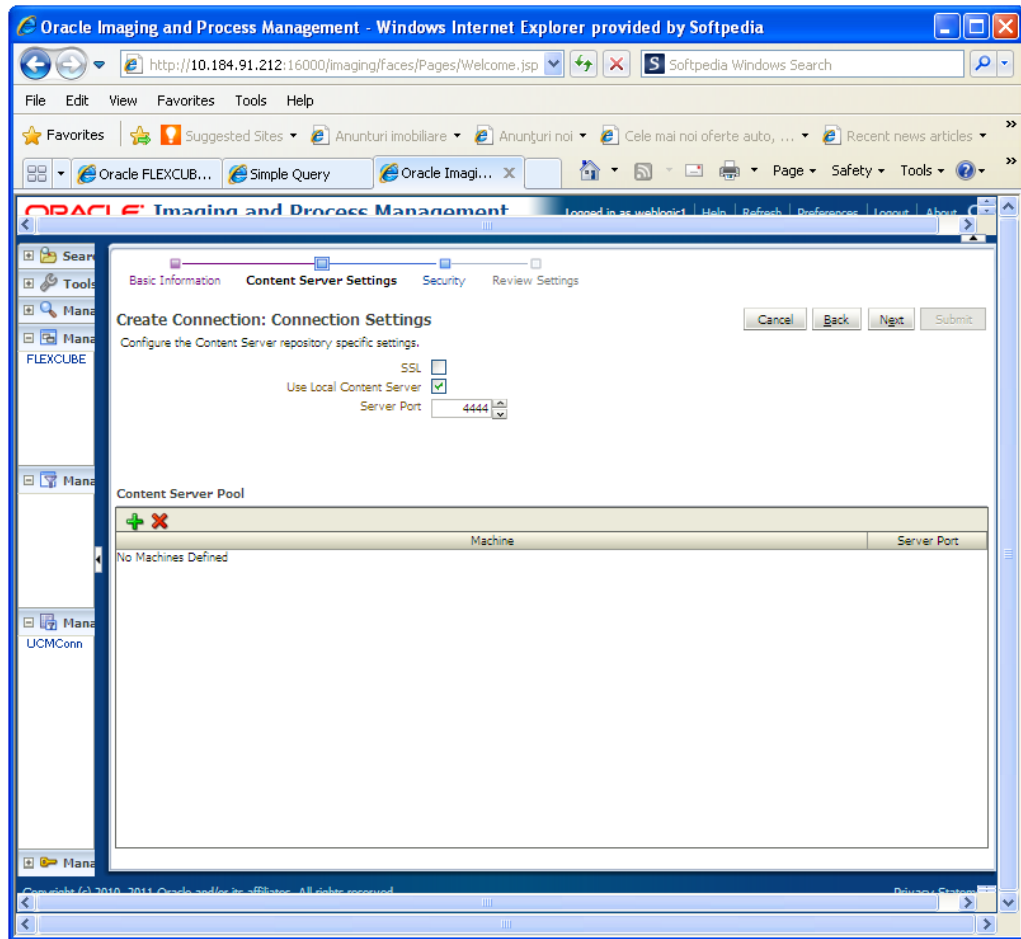


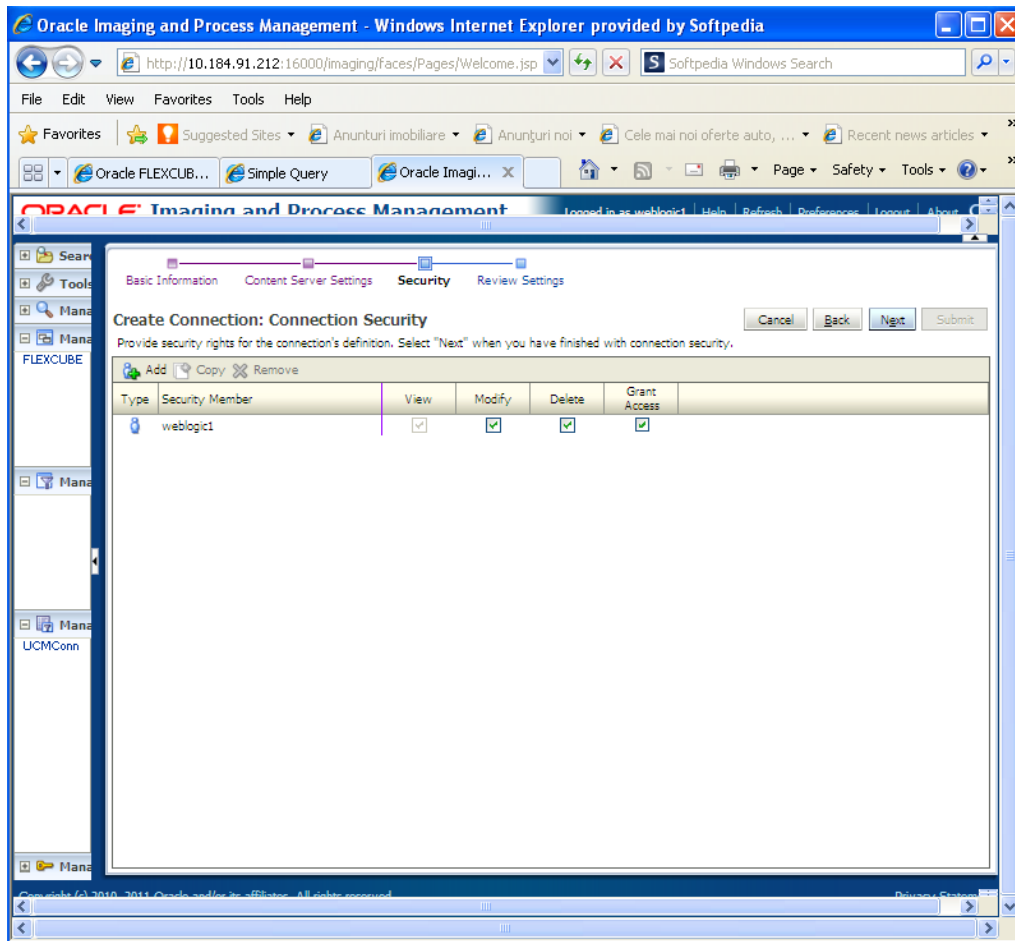
3. Login to imaging application.
4. Enter username/password and press Login.

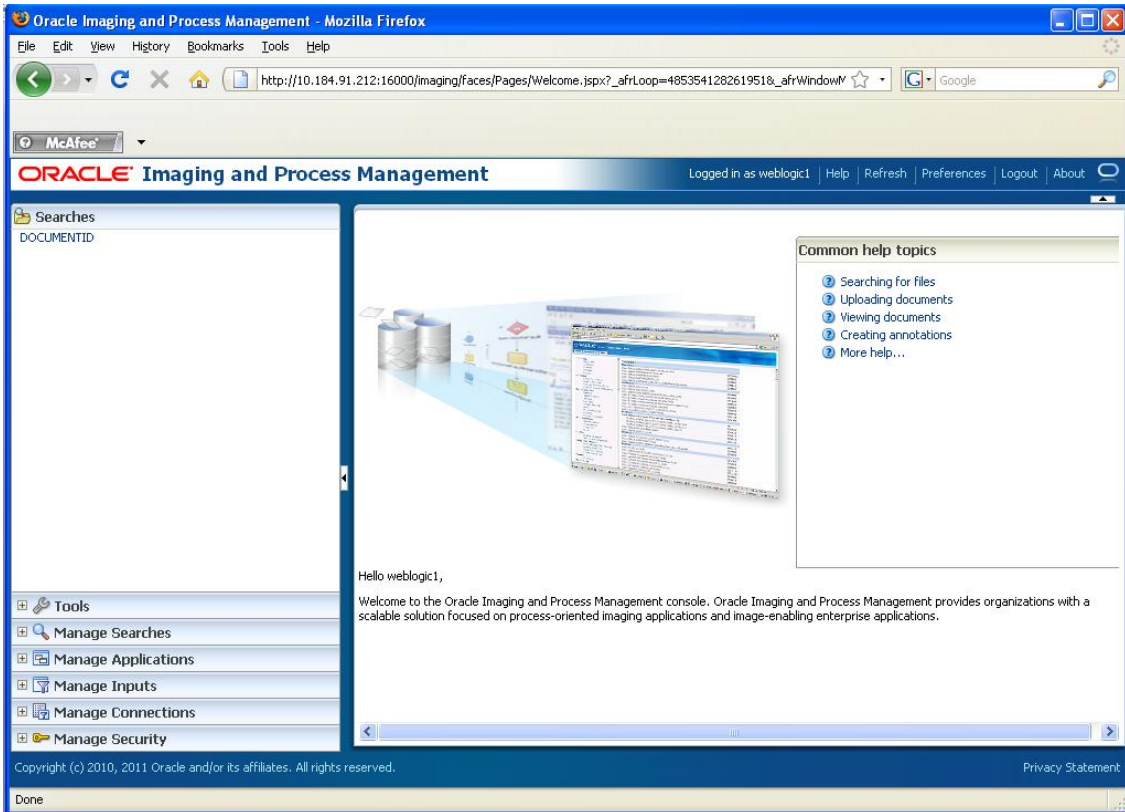


5. Click on Manage Connections
6. Click on Create Content Server Connection

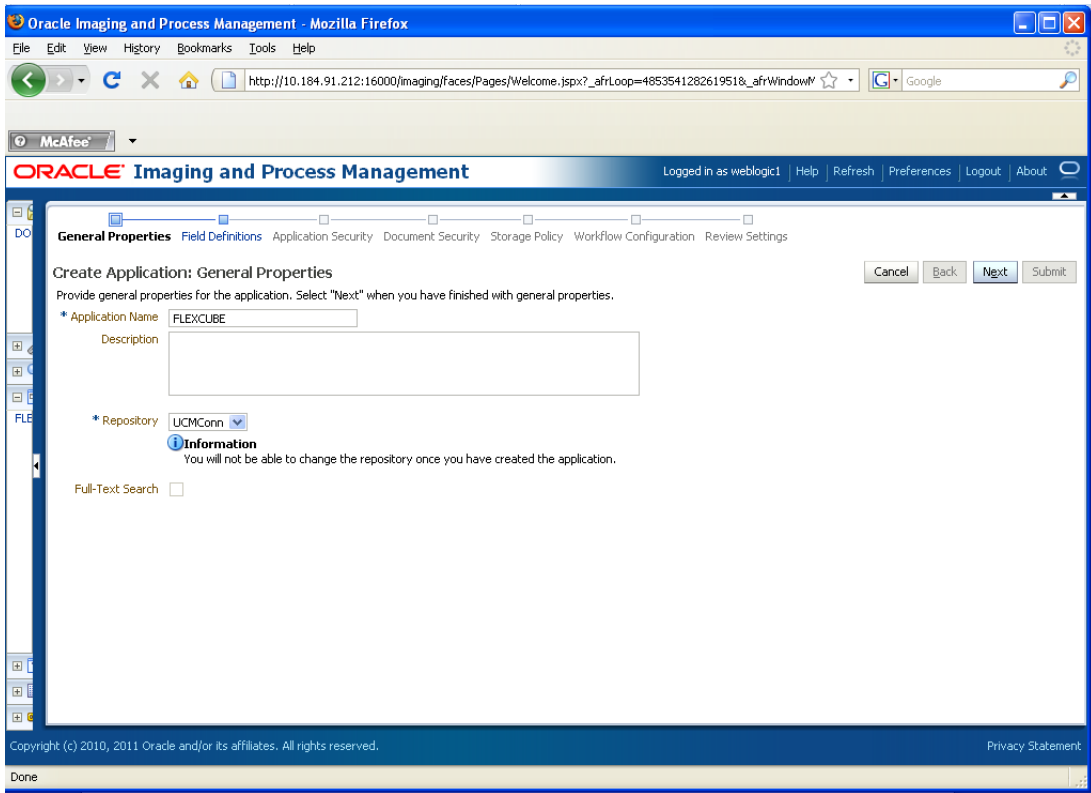




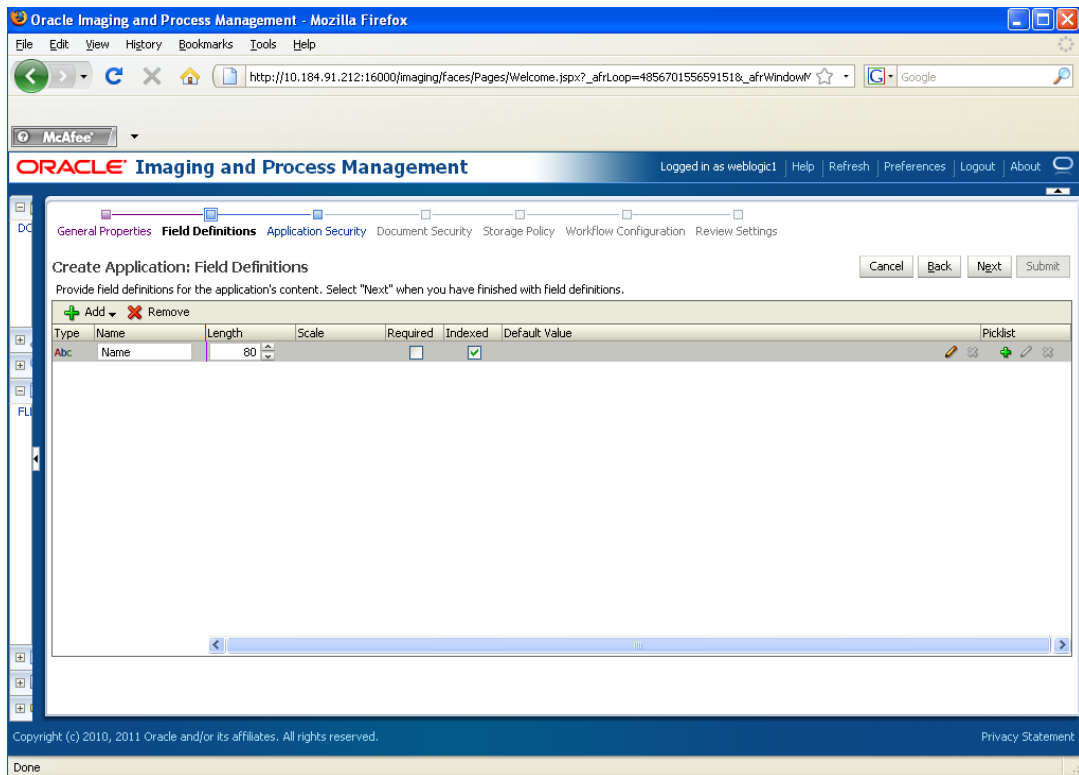


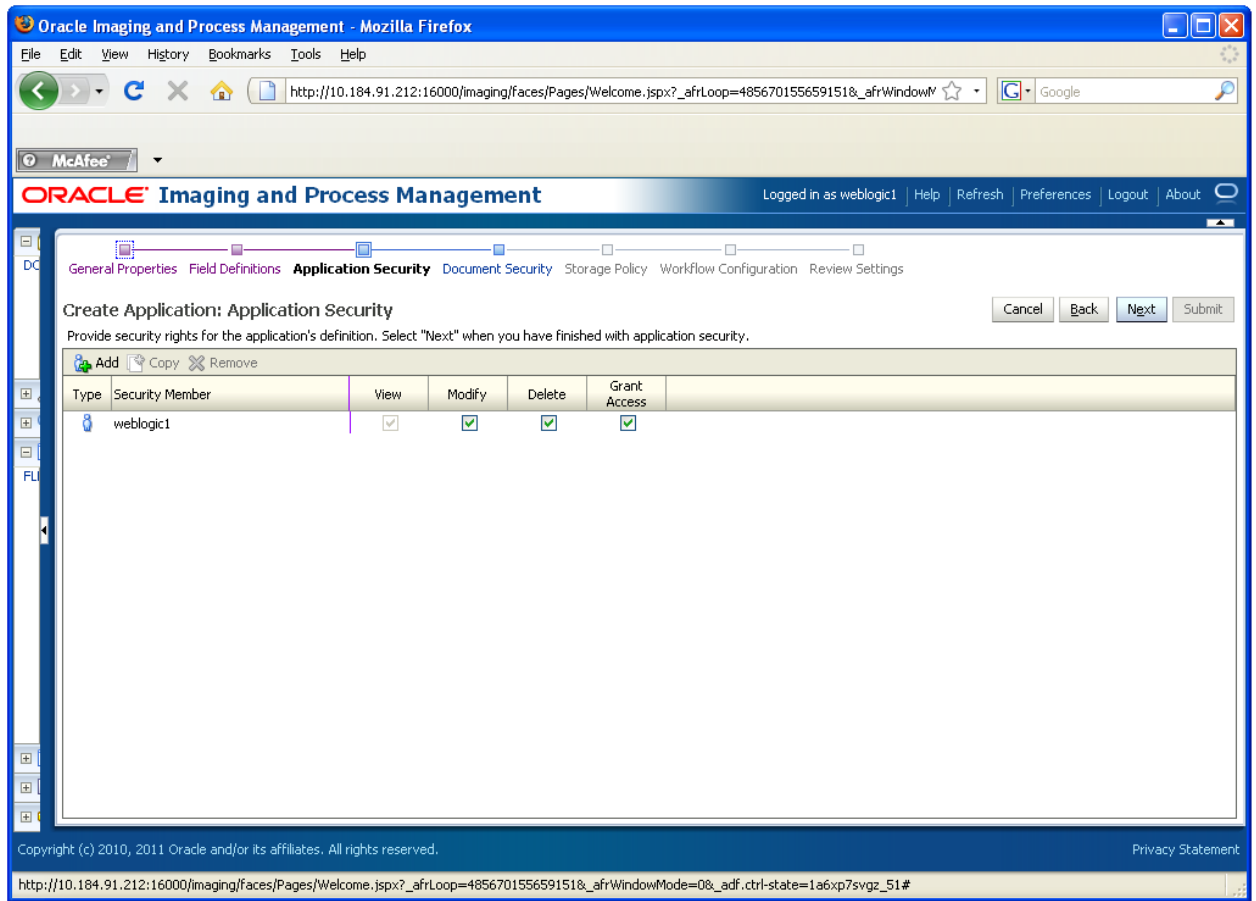


7. Click on Manage Applications
8. Click on add application

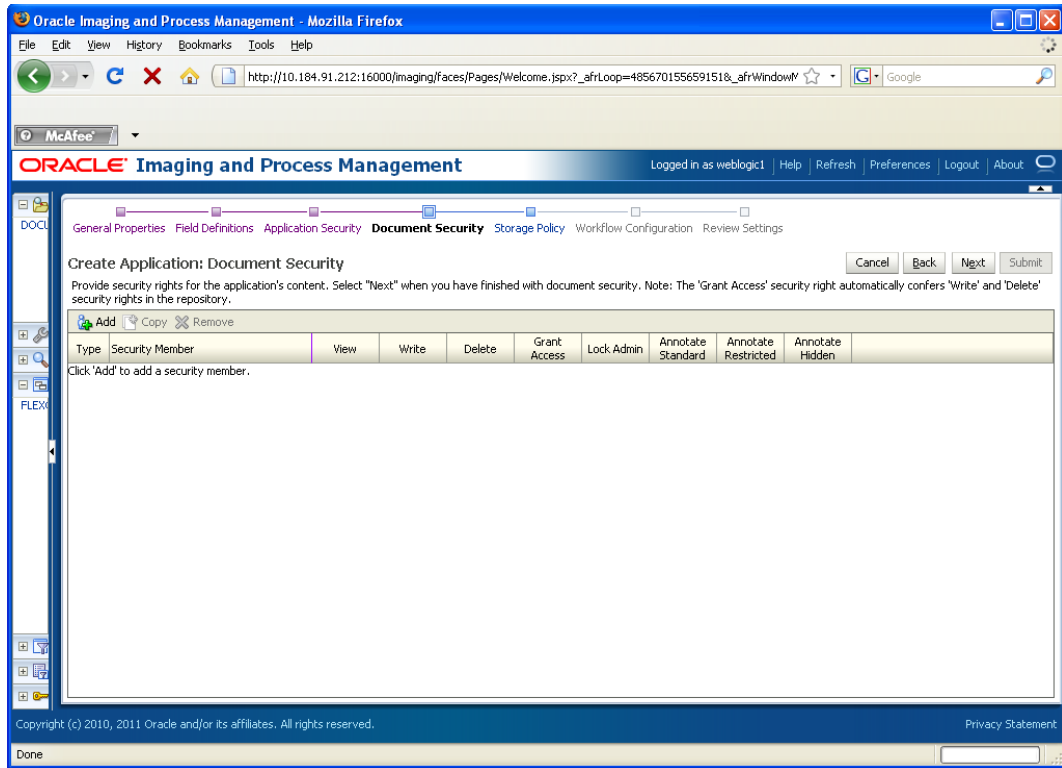


9. Click on next and add a field Name as Name

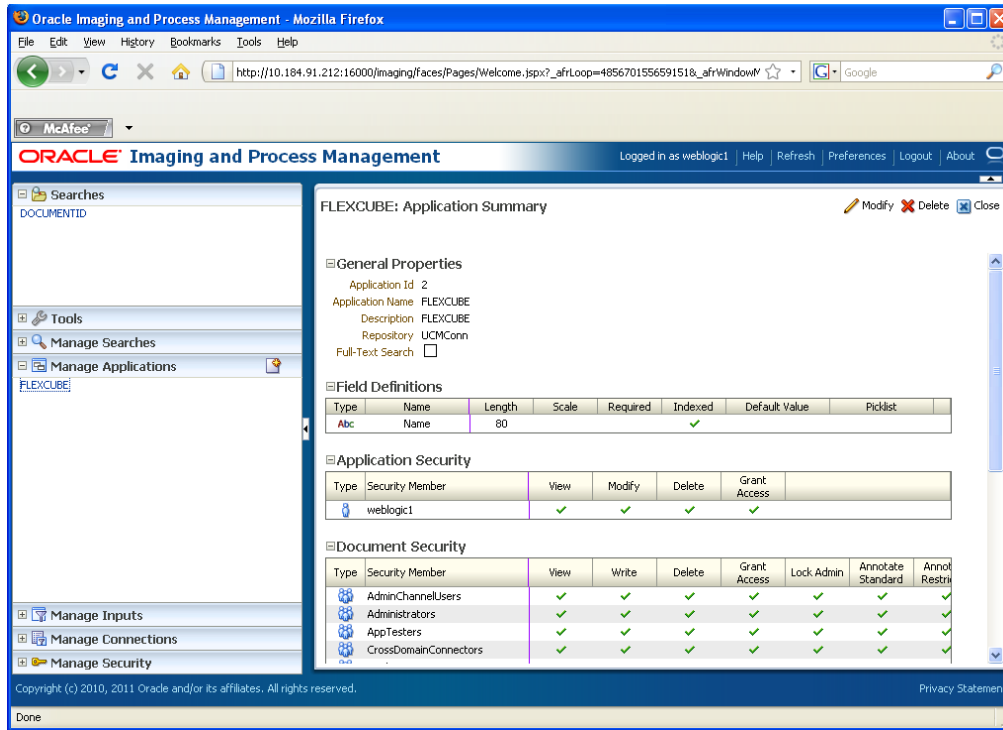




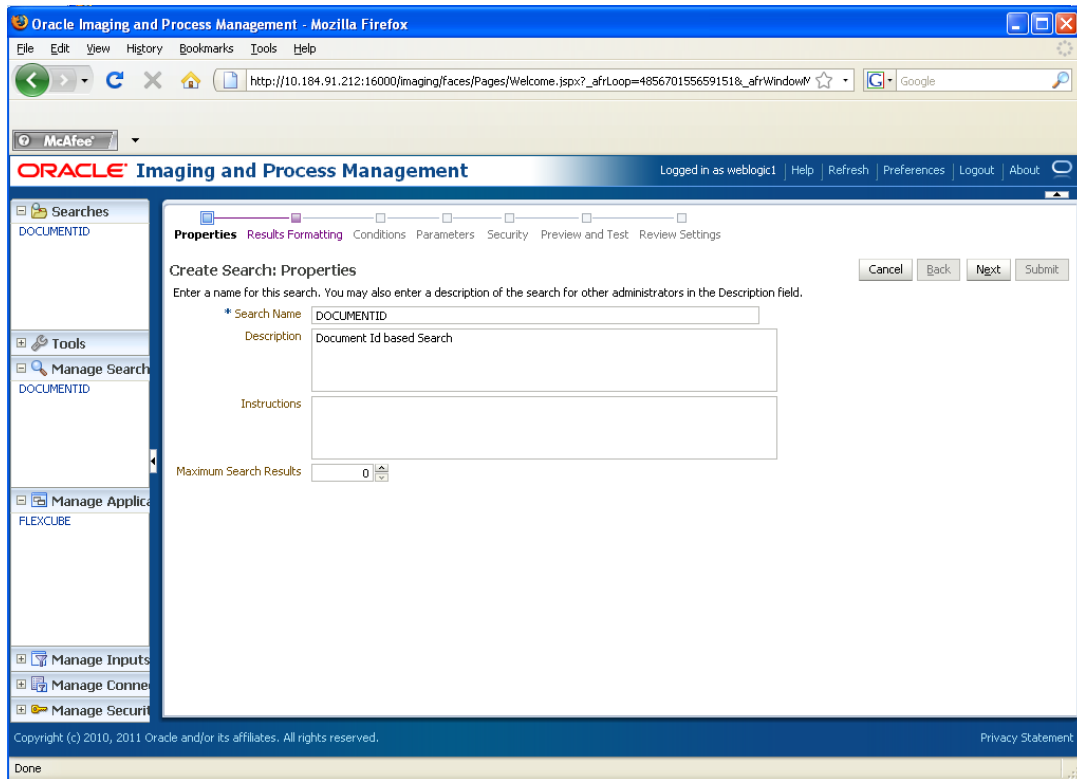
10. Click on next



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

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 Mozilla Firefox. The browser address bar shows the URL: `http://10.184.91.212:16000/imaging/faces/Pages/Welcome.jspx?_afWindowMode=0&_afLoop=486077691`. The application title is "ORACLE Imaging and Process Management" and the user is logged in as "weblogic1".

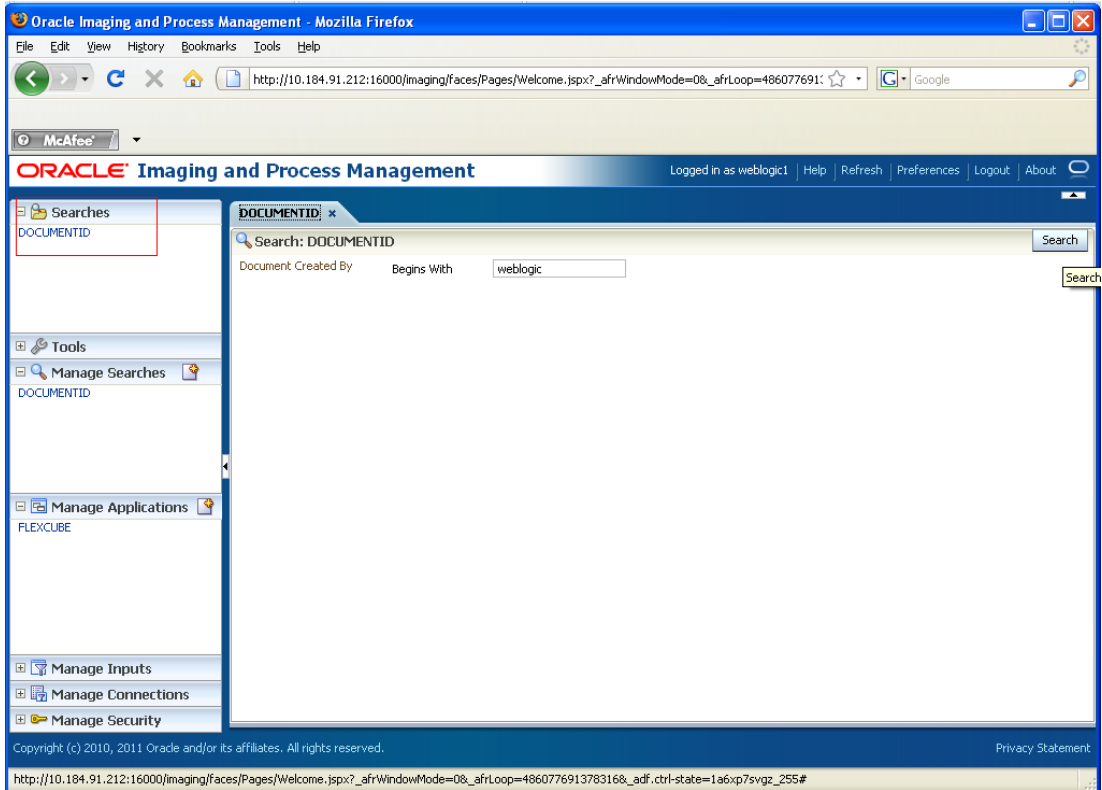
The main content area displays the configuration for a search named "DOCUMENTID". The configuration is organized into several sections:

- Properties:**
  - Search Name: DOCUMENTID
  - Description: Document Id based Search
  - Instructions:
  - Maximum Search Results: 0
- Results Formatting:** A table with columns: Source Application, Name, Document Id, Document Creation Date, Document Created By, Document Batch Id. The row for "FLEXCUBE" shows "Name" as the search name and "Document Id" as the document ID.
- Conditions:**
  - Application: FLEXCUBE
  - Condition: ( Document Created By Begins With Parameter - Document Created By )
- Parameters:** A table with columns: Parameter Name, Prompt Text, Operator Text, Default Value, Picklist, Required, Read Only. The row shows "Document Created By" as the parameter name and "Document Created By Begins With" as the operator text.
- Security:** A table with columns: Type, Security Member, View, Modify, Delete, Grant. The row shows "Security Member" as the security member.

The left sidebar contains navigation options: Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, Manage Connections, and Manage Security.

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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 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](http://10.184.91.212:16000/imaging/Faces/Pages/Welcome.jsp?_afWindowMode=0&_afLoop=486077691). The page is titled "ORACLE Imaging and Process Management" and shows the user is logged in as "weblogic1".

The main content area displays a search results page for "DOCUMENTID". The search criteria are "Document Created By" and "Begins With" with the value "weblogic". The results are shown in a table with the following columns: Name, Document Id, Document Creation D, Document Created By, and Document Batch. The table contains 96 rows of data, with the first 10 rows visible in the screenshot.

Name	Document Id	Document Creation D	Document Created By	Document Batch
	2.IPM_000325	2/23/2012	weblogic1	0
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