

UCM Server Setup  
Oracle Banking Corporate Lending  
Release 14.7.0.0.0  
[Nov] [2022]



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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

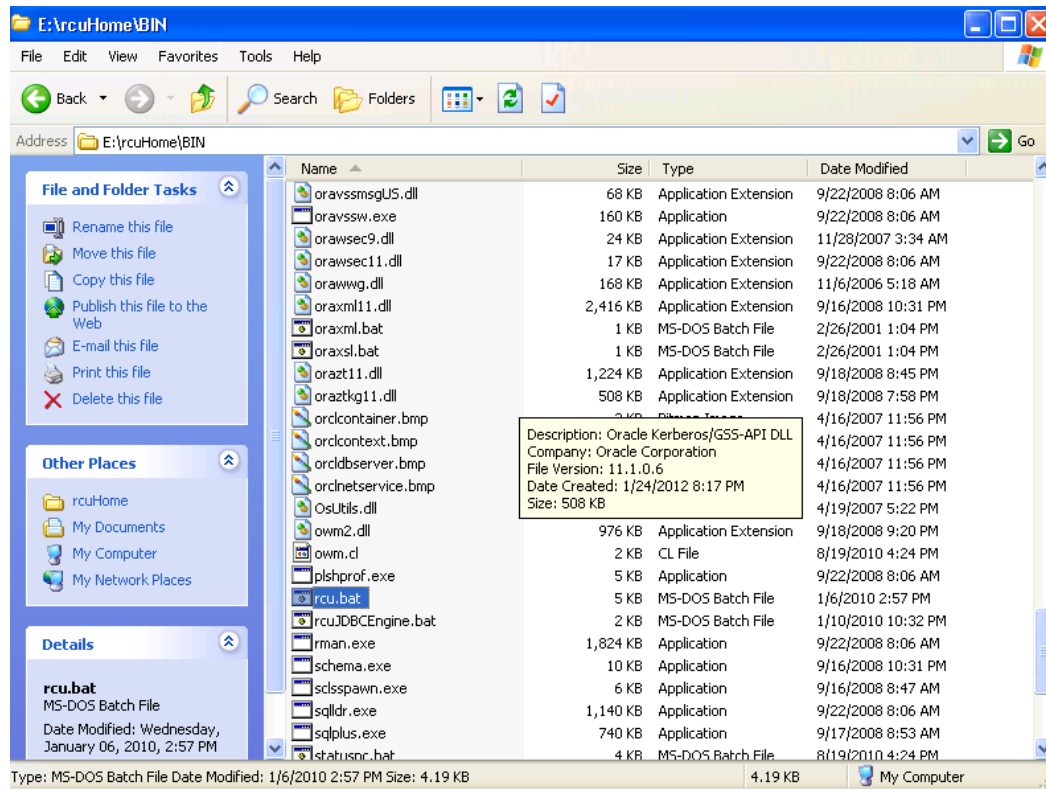
<http://www.oracle.com/technetwork/middleware/soasuite/downloads/index.html>

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

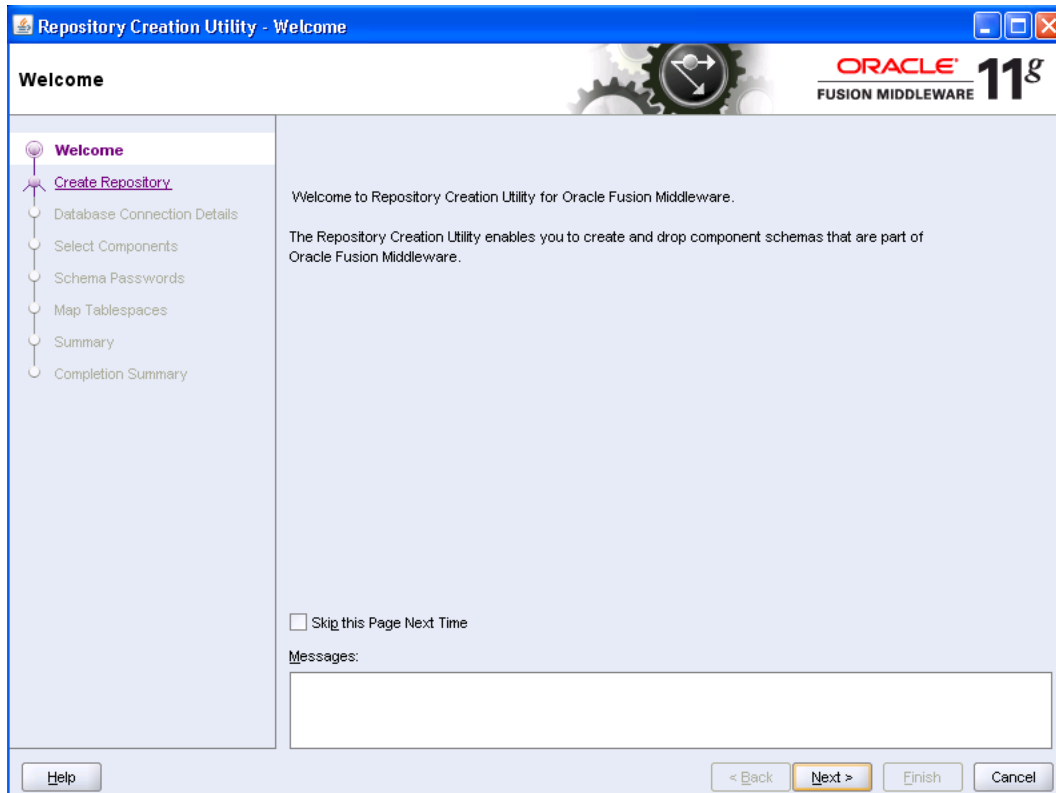
<rcu\_home>\BIN

Note: rcu\_home is the directory in which RCU is installed.

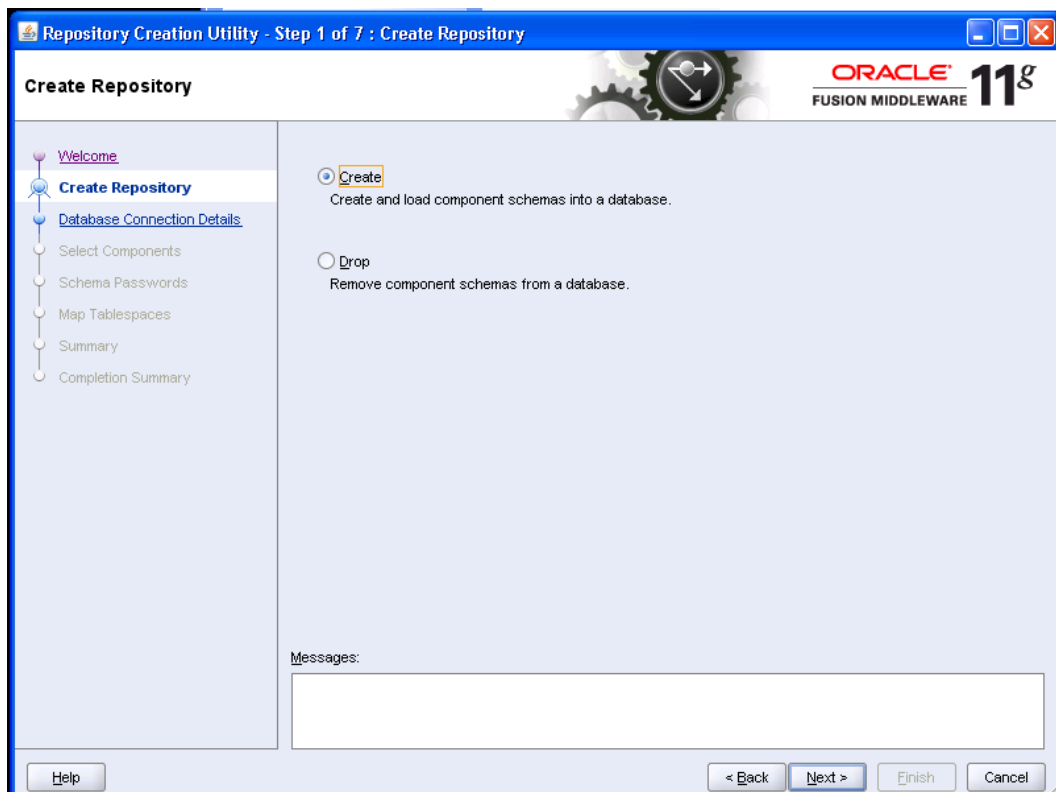
4. Click on rcu.bat file to create the repository.



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 11g  
FUSION MIDDLEWARE

[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:

Help < Back Next > Finish Cancel

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.

OK

Repository Creation Utility - Step 3 of 7 : Select Components

## Select Components

ORACLE FUSION MIDDLEWARE 11g

A Prefix groups the components associated with one deployment.

☐ Select an existing Prefix

☒ Create a new Prefix

DEV

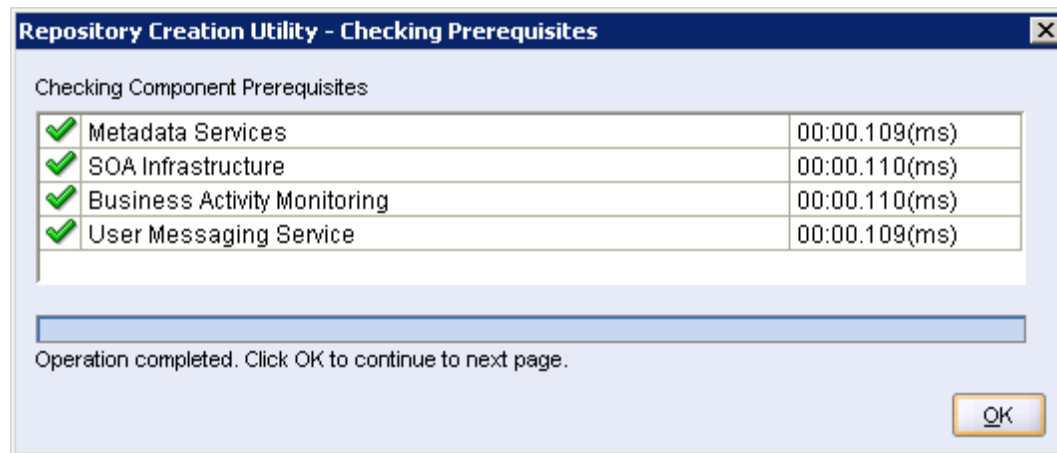
Prefix can contain only alpha-numeric characters. Prefix should not start with a number and should not contain any special characters.

| Component                                                        | Schema Owner |
|------------------------------------------------------------------|--------------|
| <input type="checkbox"/> Oracle AS Repository Components         |              |
| <input checked="" type="checkbox"/> AS Common Schemas            |              |
| <input checked="" type="checkbox"/> Metadata Services            | DEV_MDS      |
| <input type="checkbox"/> Audit Services                          | IAU          |
| <input type="checkbox"/> Enterprise Scheduler Service            | ORAESS       |
| <input type="checkbox"/> Identity Management                     |              |
| <input type="checkbox"/> WebLogic Communication Services         |              |
| <input checked="" type="checkbox"/> SOA and BPM Infrastructure   |              |
| <input checked="" type="checkbox"/> SOA Infrastructure           | DEV_SOAINFRA |
| <input checked="" type="checkbox"/> Business Activity Monitoring | DEV_ORABAM   |
| <input checked="" type="checkbox"/> User Messaging Service       | DEV_ORASDPM  |
| <input type="checkbox"/> Webcenter Suite                         |              |
| <input type="checkbox"/> Portal and BI                           |              |

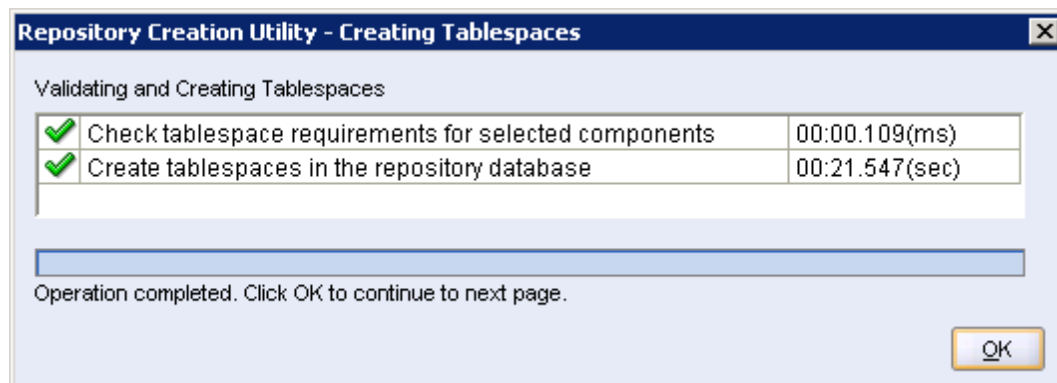
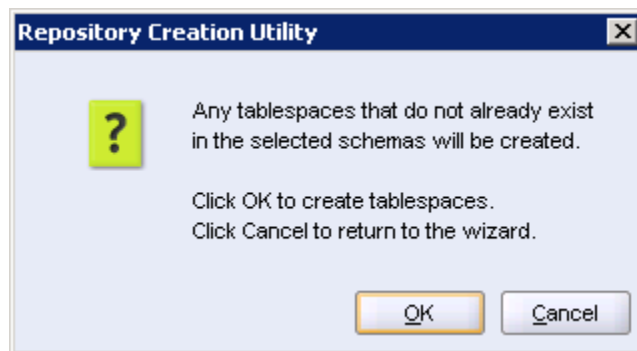
Messages:

Help < Back Next > Finish Cancel

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.

Repository Creation Utility - Step 6 of 7 : Summary

**Summary**

Oracle Fusion Middleware 11g

Database details:

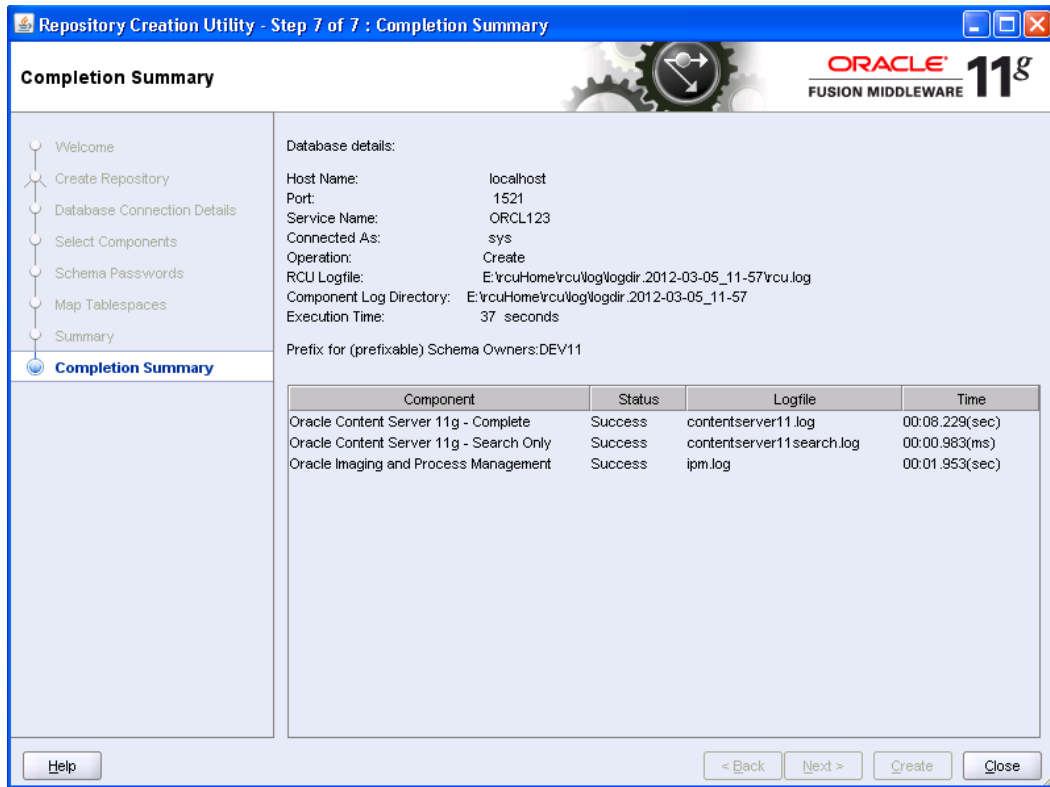
Host Name: ddhp0240.i-flex.com  
 Port: 1521  
 Service Name: ORCL.I-FLEX.COM  
 Connected As: SYS  
 Operation: Create

Prefix for (prefixable) Schema Owners:DEV

| Component                    | Schema Owner | Tablespace Type | Tablespace Name |
|------------------------------|--------------|-----------------|-----------------|
| Metadata Services            | DEV_MDS      | Default         | DEV_MDS         |
|                              |              | Temp            | DEV_IAS_TEMP    |
|                              |              | Additional      | None            |
| SOA Infrastructure           | DEV_SOAINFRA | Default         | DEV_SOAINFRA    |
|                              |              | Temp            | DEV_IAS_TEMP    |
|                              |              | Additional      | None            |
| Business Activity Monitoring | DEV_ORABAM   | Default         | DEV_ORABAM      |
|                              |              | Temp            | DEV_IAS_TEMP    |
|                              |              | Additional      | None            |
| User Messaging Service       | DEV_ORASDPM  | Default         | DEV_IAS_ORASDPM |
|                              |              | Temp            | DEV_IAS_TEMP    |
|                              |              | Additional      | None            |

Help < Back Next > Create Cancel

12. Summary.



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>

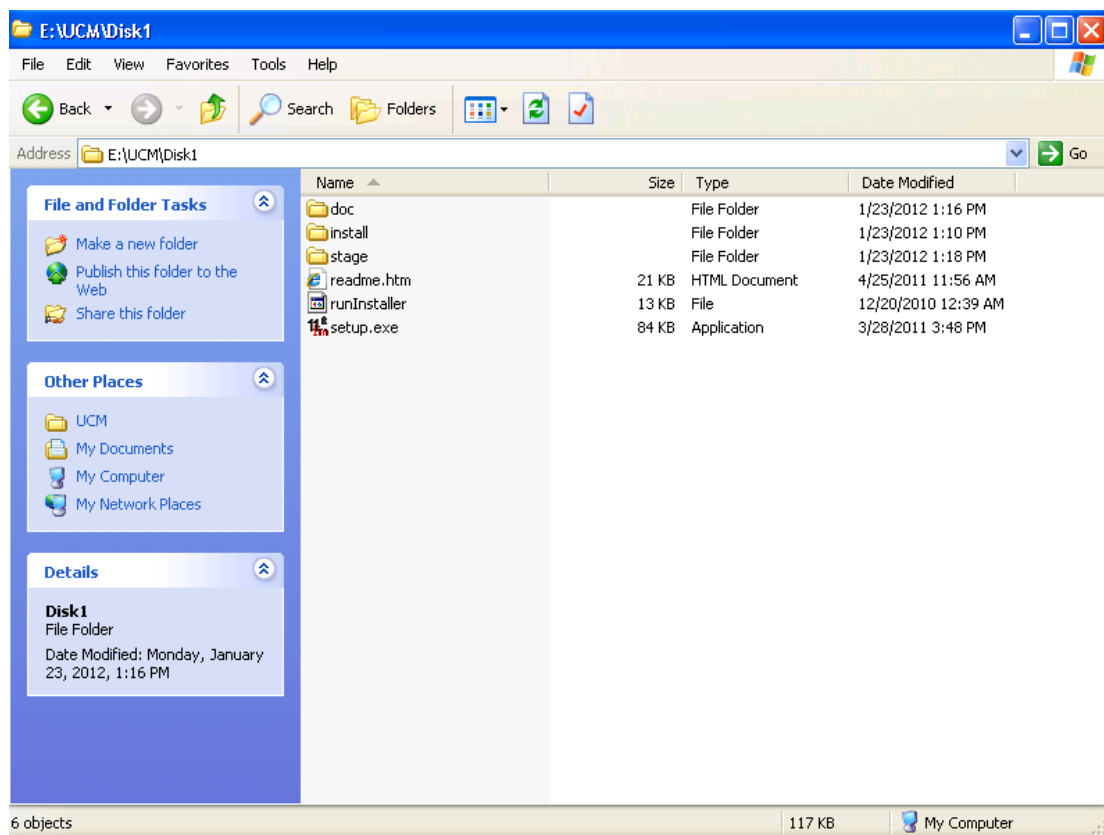
2. At the right top corner there is a search box, search for string <11.1.1.5>
3. Search for <Enterprise Content> in the result page and found a zip which is downloadable.
4. Download Enterprise Content Management.

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

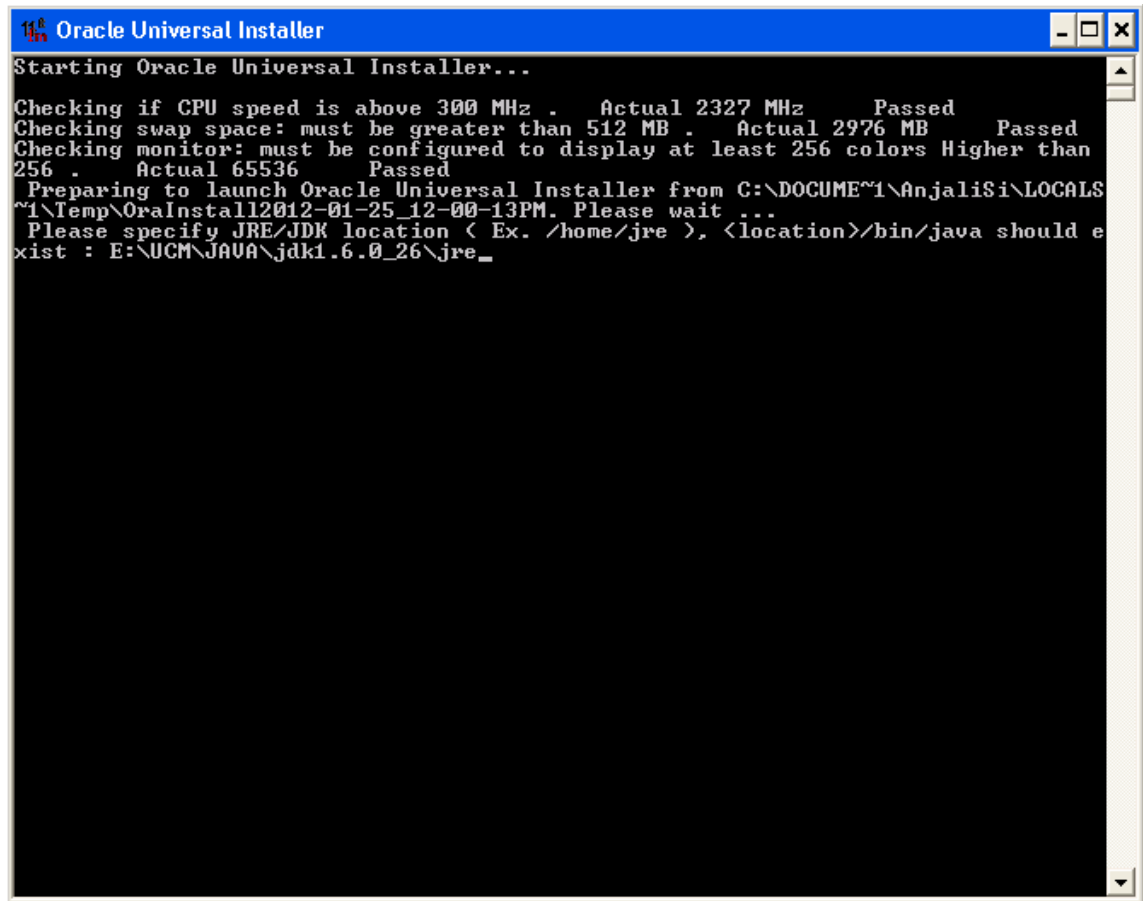
[Oracle Enterprise Content Management 11g \(11.1.1.5.0\) \(zip file 2 of 2\)](#)

It provides a FTP download. Select FTP server to download.

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

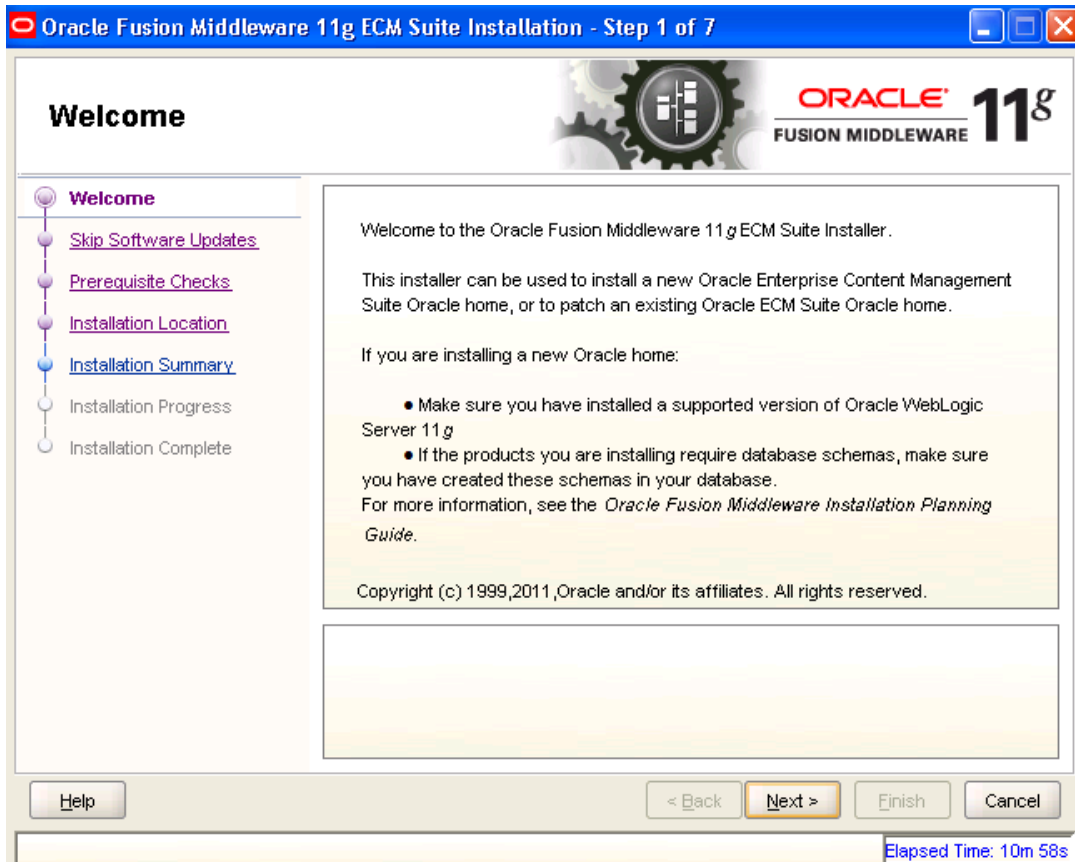


6. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.6.0.26\jre.

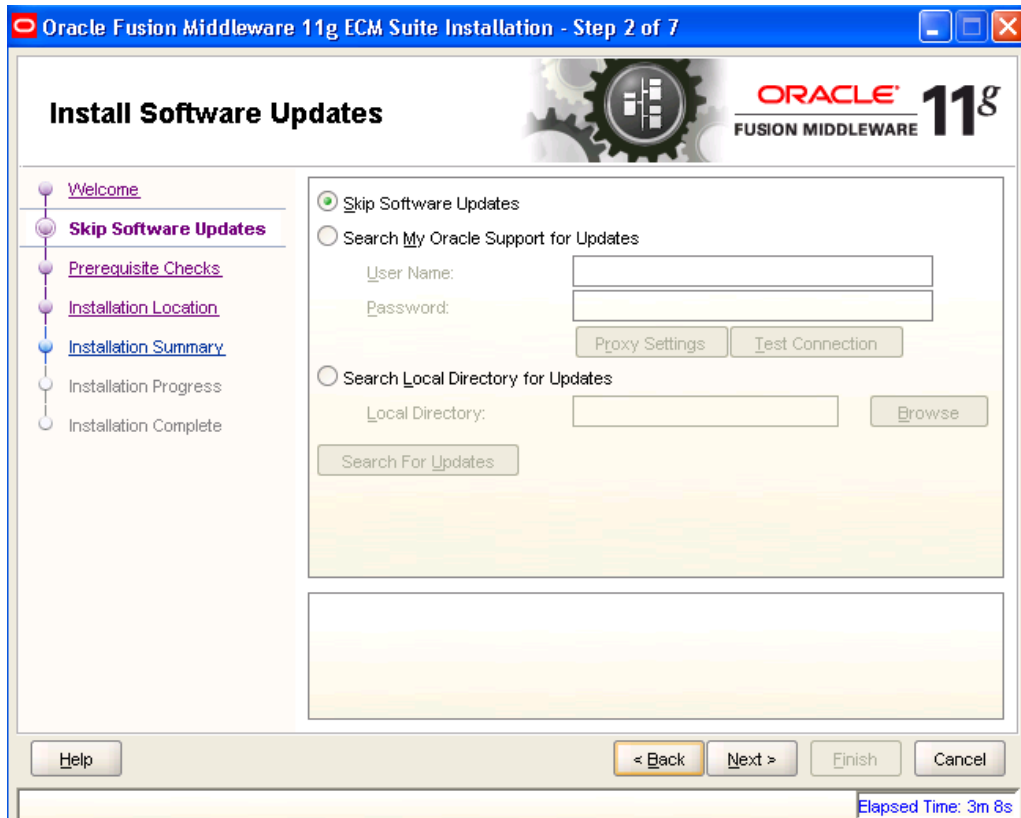


```
Oracle Universal Installer
Starting Oracle Universal Installer...

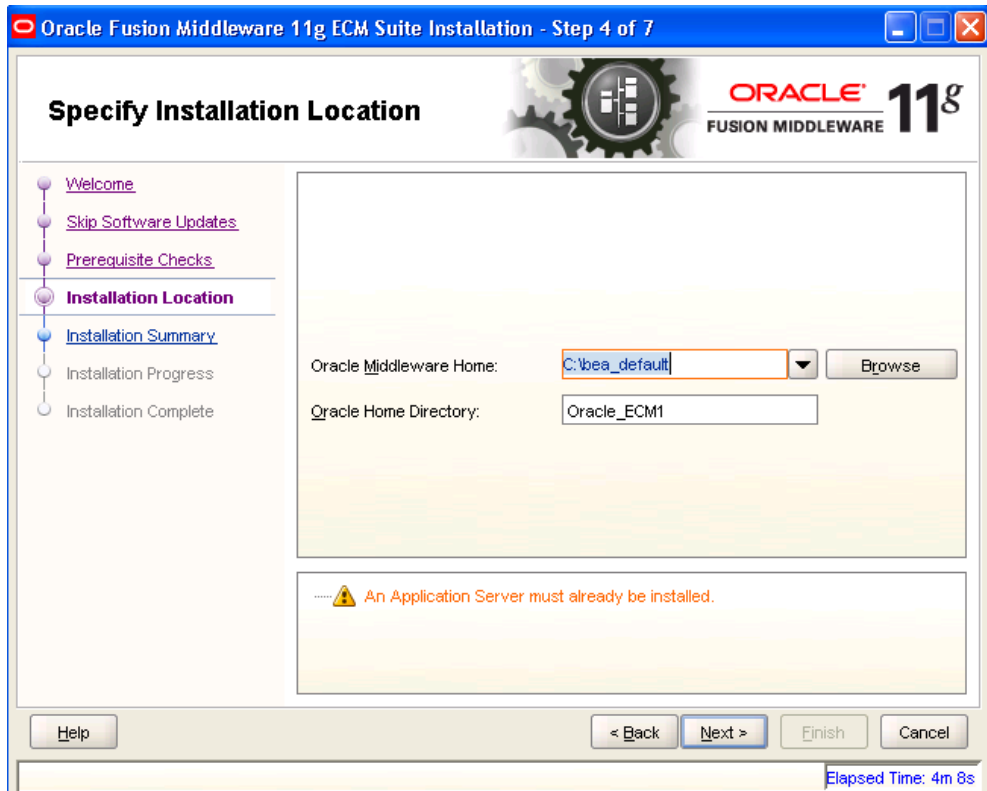
Checking if CPU speed is above 300 MHz .   Actual 2327 MHz       Passed
Checking swap space: must be greater than 512 MB .   Actual 2976 MB       Passed
Checking monitor: must be configured to display at least 256 colors Higher than
256 .   Actual 65536       Passed
Preparing to launch Oracle Universal Installer from C:\DOCUME~1\AnjaliSi\LOCALS
~1\Temp\OraInstall2012-01-25_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_
```



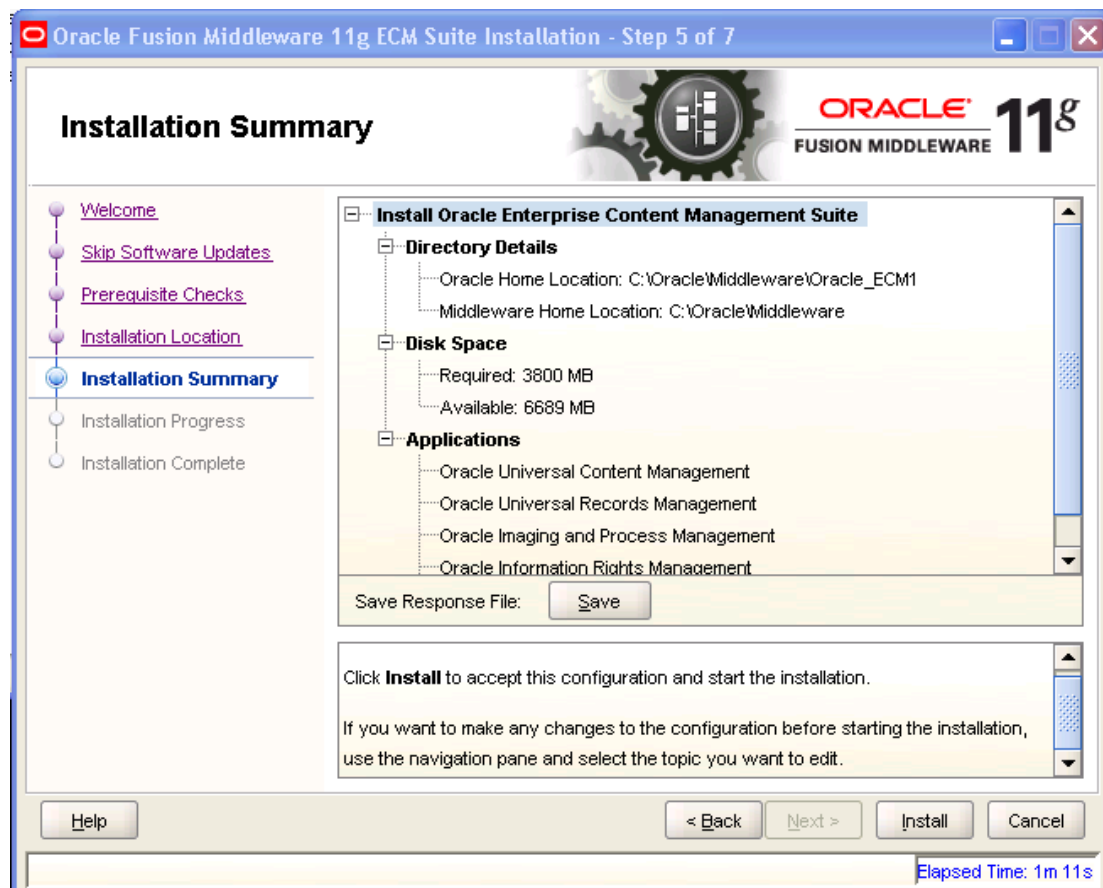
7. Click 'Next' to navigate to skip software updates.



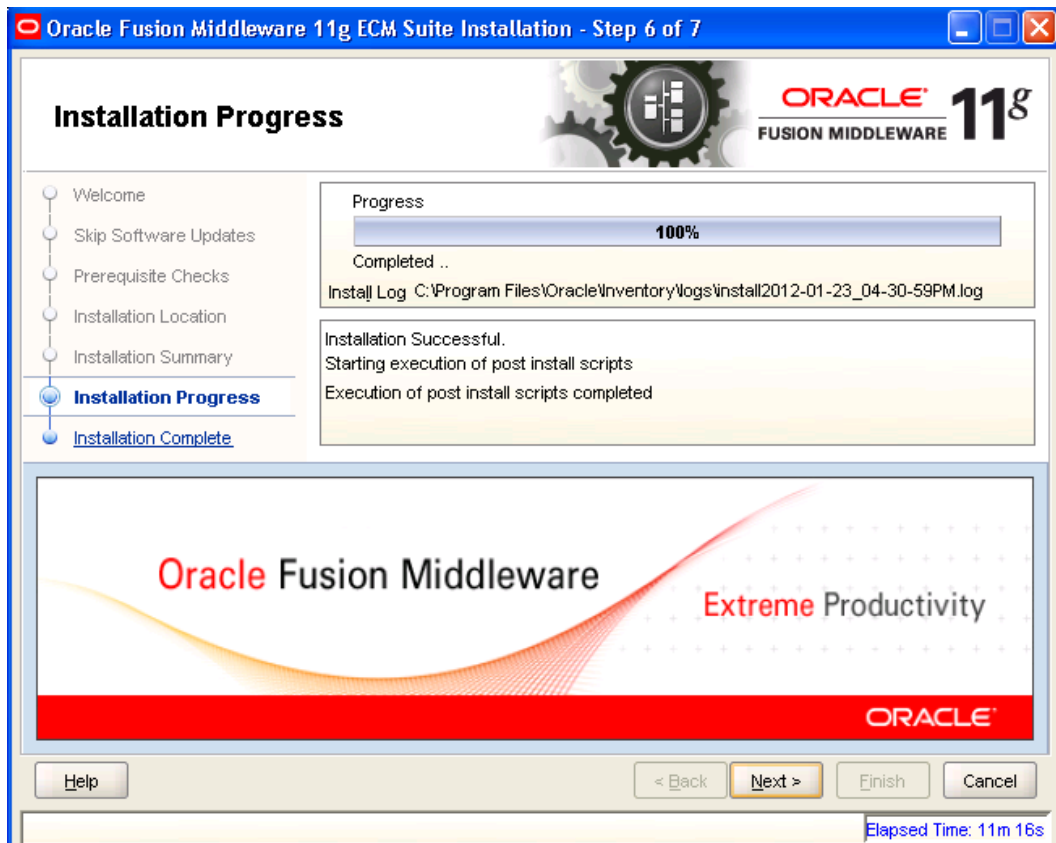
8. Click 'Next' to navigate to specify Installation Location.

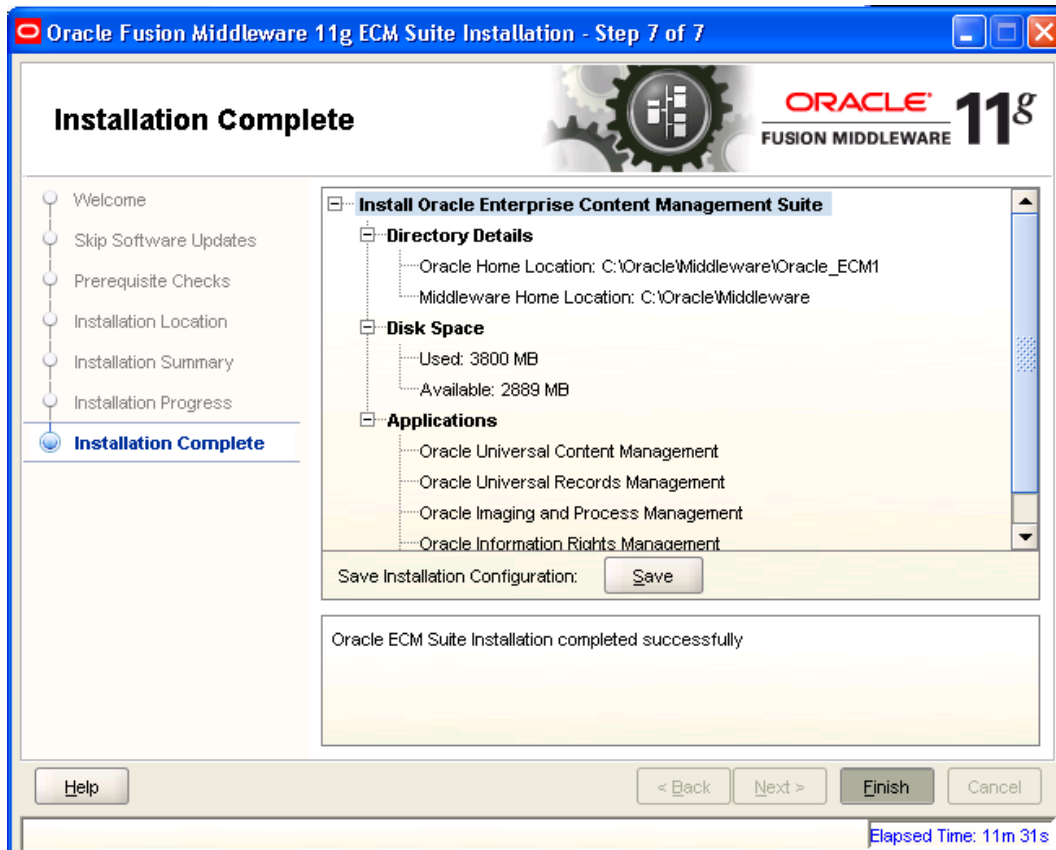


9. Specify your Oracle Middleware home directory path and click next. Oracle Middleware version should be 10.3.5.



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





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

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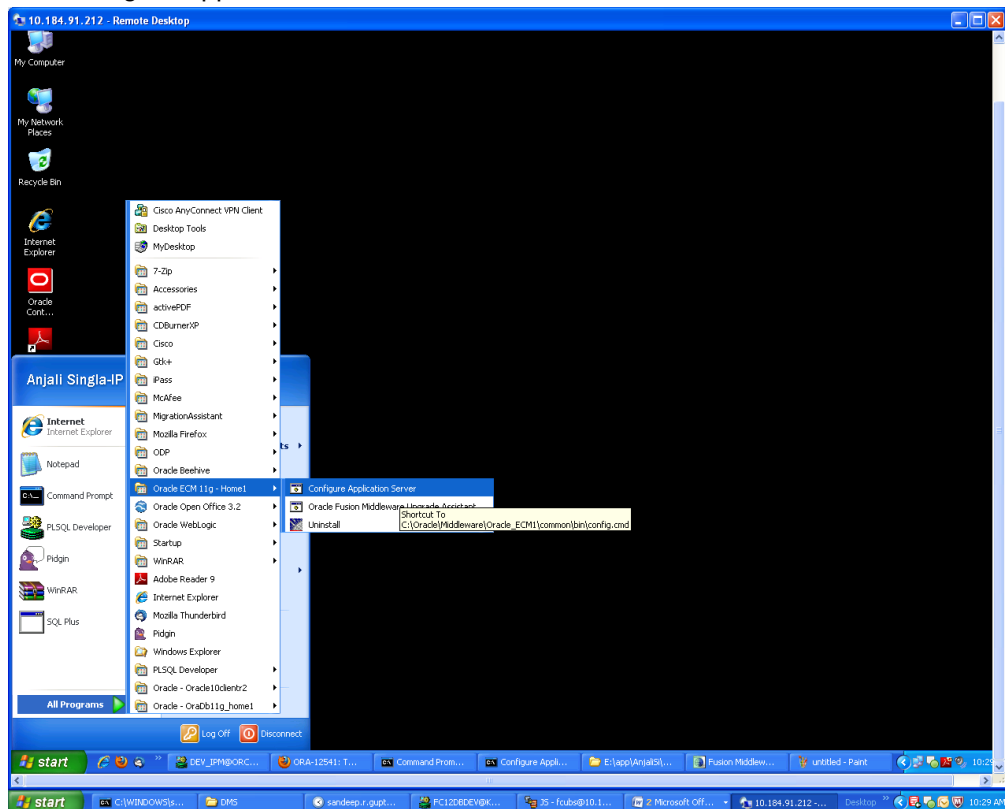
## 4. Configuring the ECM application server:

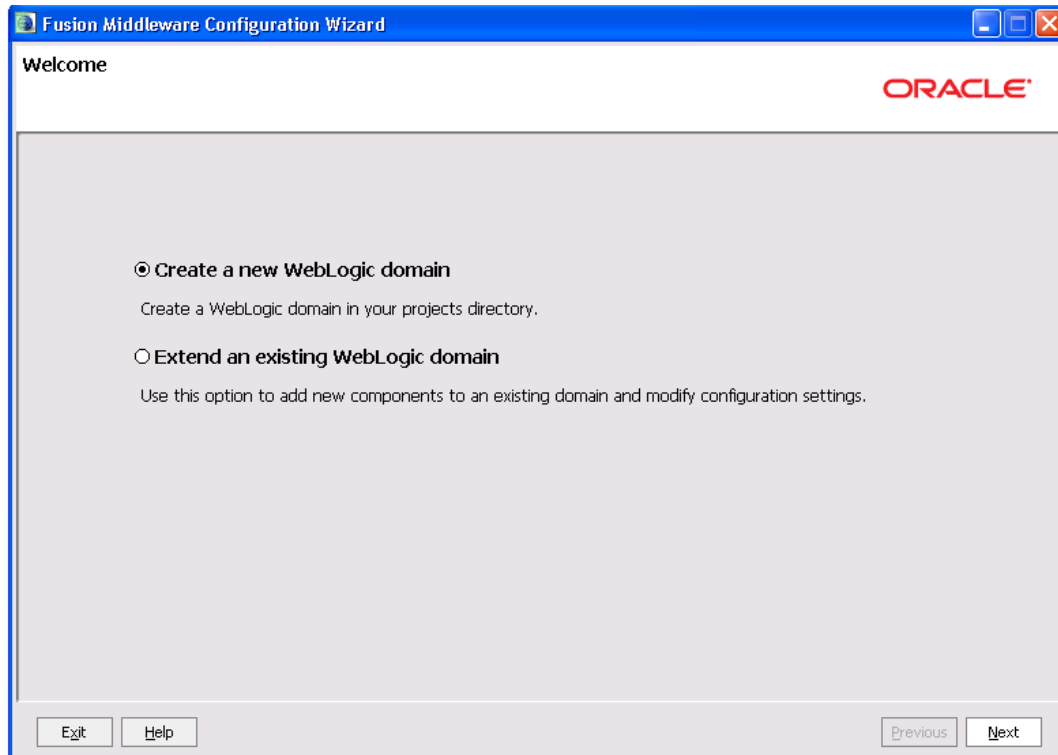
### 4.1 Introduction

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

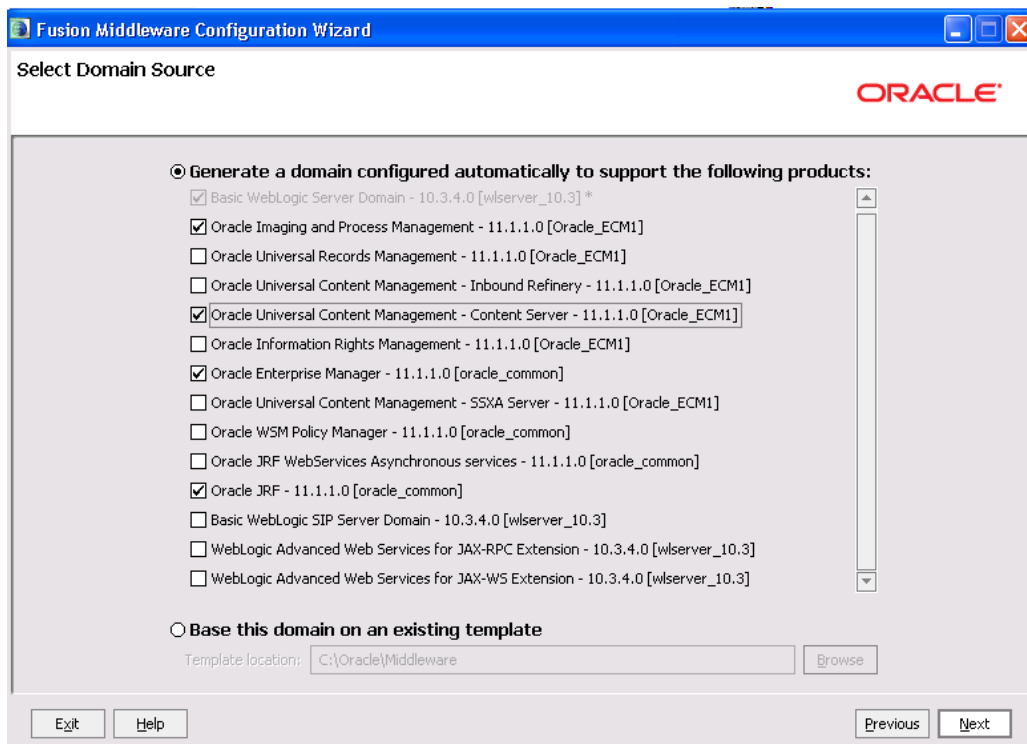
### 4.2 New Domain Configuration

1. Run Configure Application server.

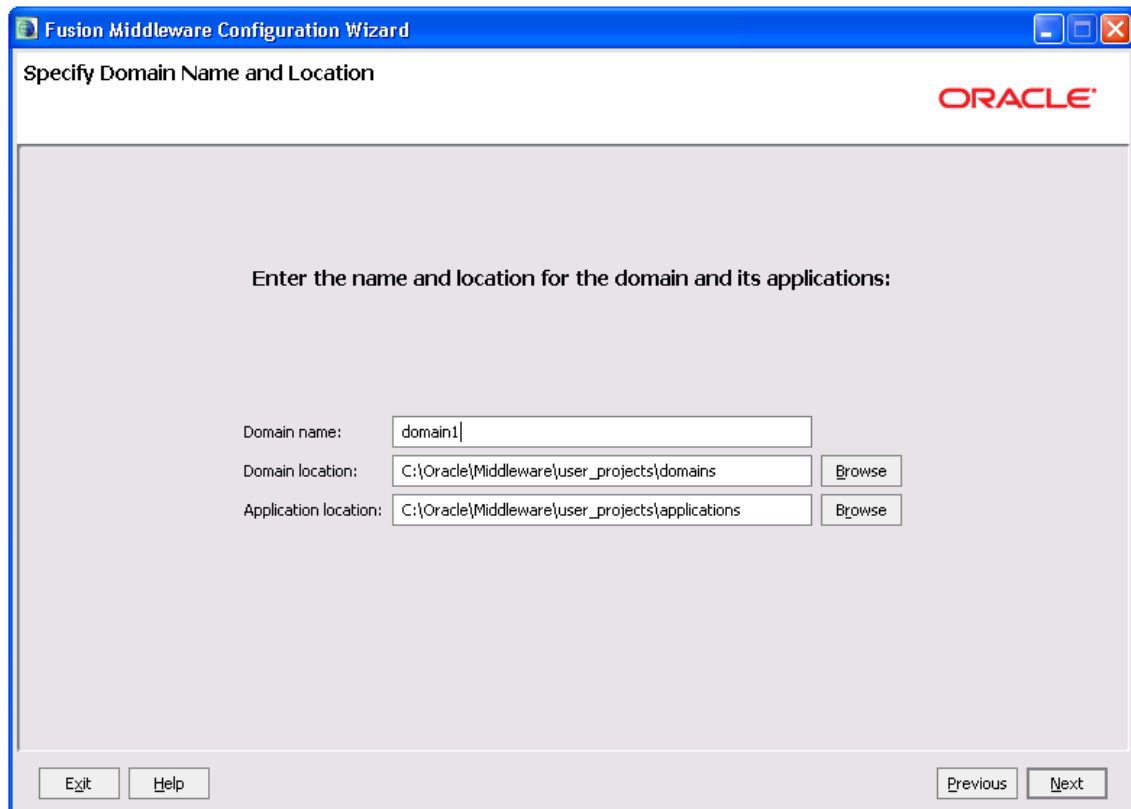




2. Create a new domain / extend an existing domain to include ECM suite components.



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' window of the Fusion Middleware Configuration Wizard. The window has a blue title bar with the text 'Fusion Middleware Configuration Wizard' and standard Windows window controls. The main area is light gray with the Oracle logo in the top right corner. The title 'Specify Domain Name and Location' is at the top. Below it, a message says 'Enter the name and location for the domain and its applications:'. There are three input fields: 'Domain name:' with the text 'domain1', 'Domain location:' with the path 'C:\Oracle\Middleware\user\_projects\domains', and 'Application location:' with the path 'C:\Oracle\Middleware\user\_projects\applications'. Each path field has a 'Browse' button to its right. At the bottom, there are 'Exit', 'Help', 'Previous', and 'Next' buttons.

**Fusion Middleware Configuration Wizard**

**Specify Domain Name and Location**

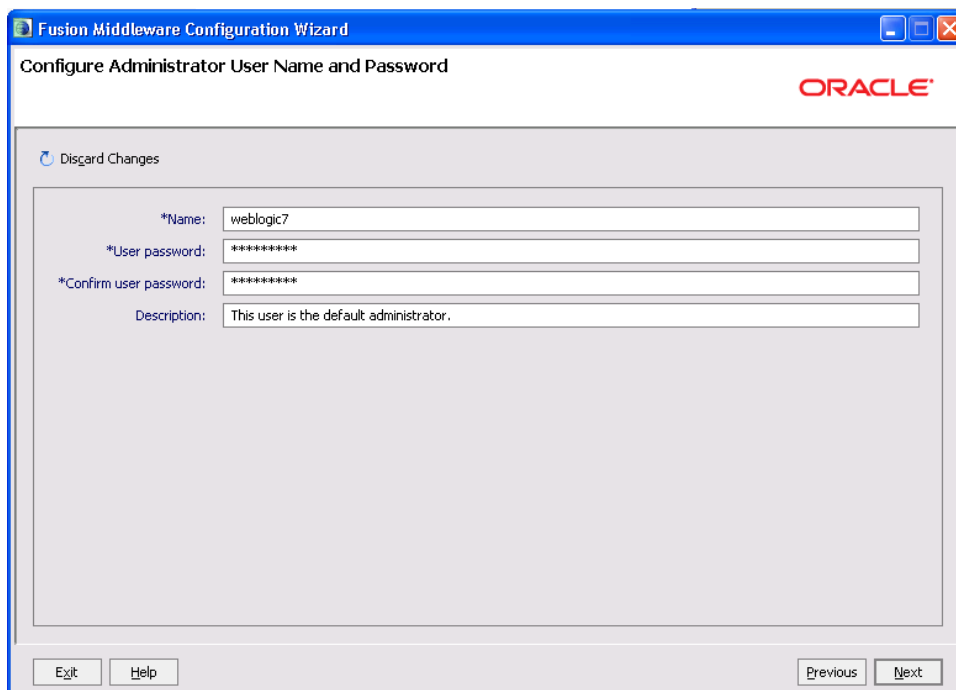
ORACLE

Enter the name and location for the domain and its applications:

Domain name:

Domain location:

Application location:



The screenshot shows the 'Configure Administrator User Name and Password' window of the Fusion Middleware Configuration Wizard. The window has a blue title bar with the text 'Fusion Middleware Configuration Wizard' and standard Windows window controls. The main area is light gray with the Oracle logo in the top right corner. The title 'Configure Administrator User Name and Password' is at the top. Below it, there is a 'Discard Changes' link. There are four input fields: '\*Name:' with the text 'weblogic7', '\*User password:' with masked text '\*\*\*\*\*', '\*Confirm user password:' with masked text '\*\*\*\*\*', and 'Description:' with the text 'This user is the default administrator.'. At the bottom, there are 'Exit', 'Help', 'Previous', and 'Next' buttons.

**Fusion Middleware Configuration Wizard**

**Configure Administrator User Name and Password**

ORACLE

[Discard Changes](#)

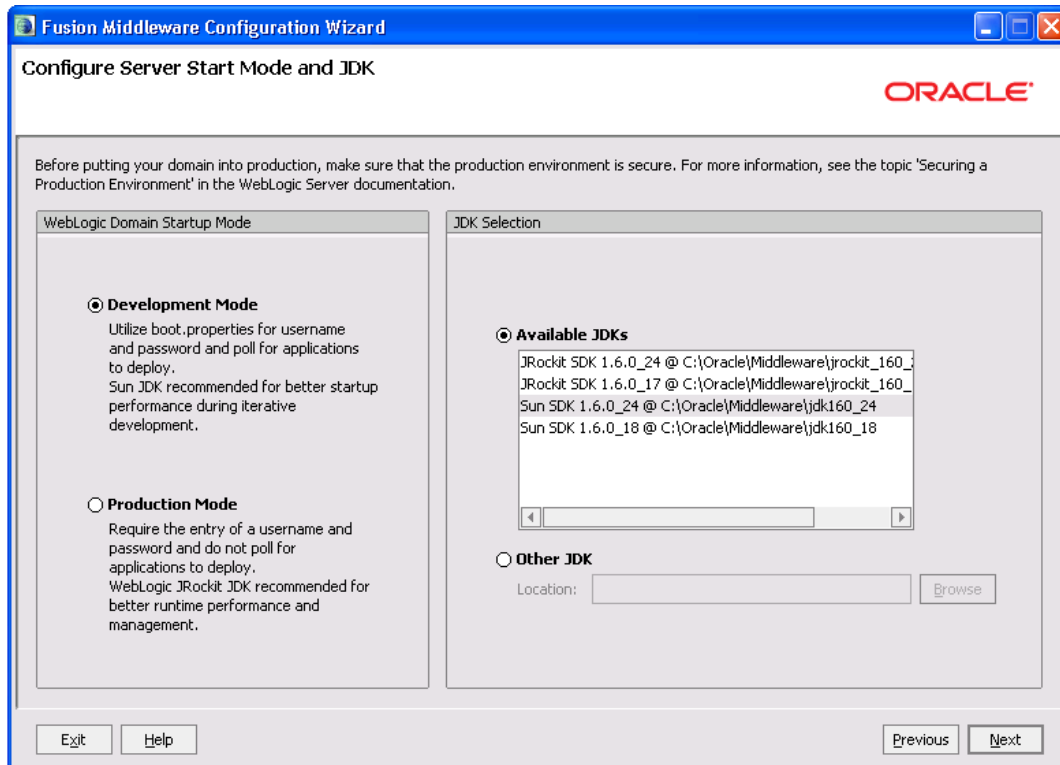
\*Name:

\*User password:

\*Confirm user password:

Description:

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:  DBMS/Service:

Driver:  Host Name:

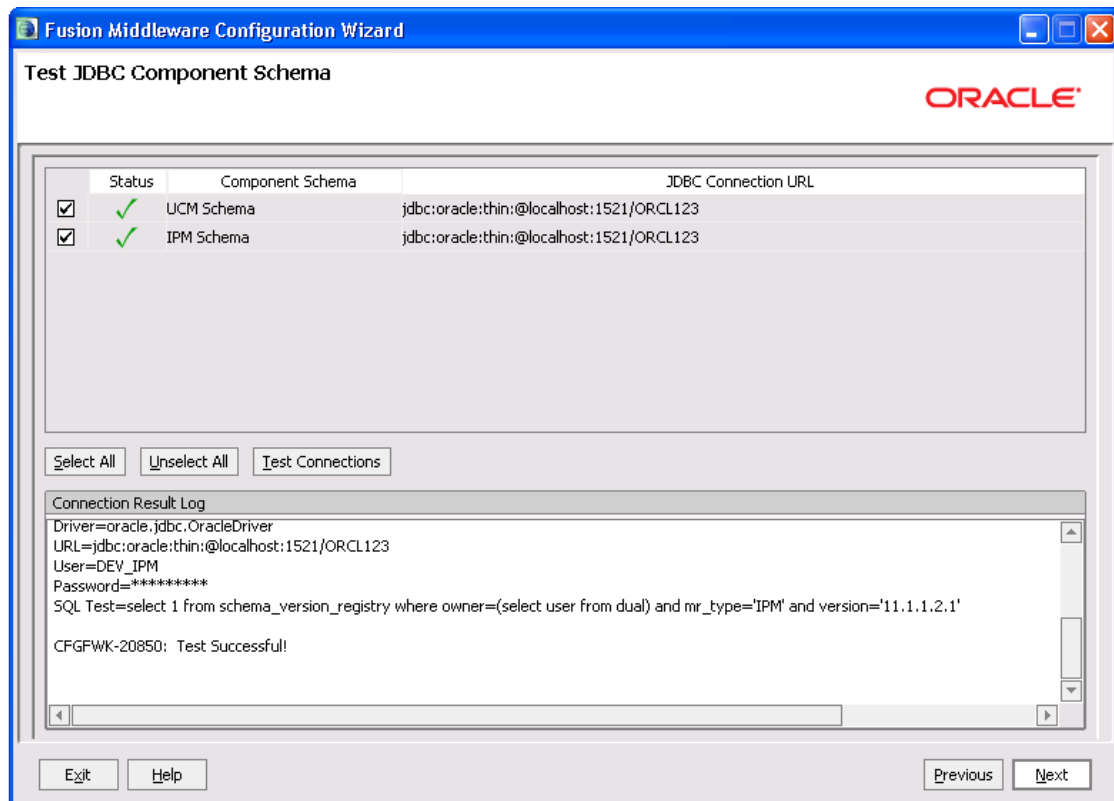
Schema Owner:  Port:

Schema Password:

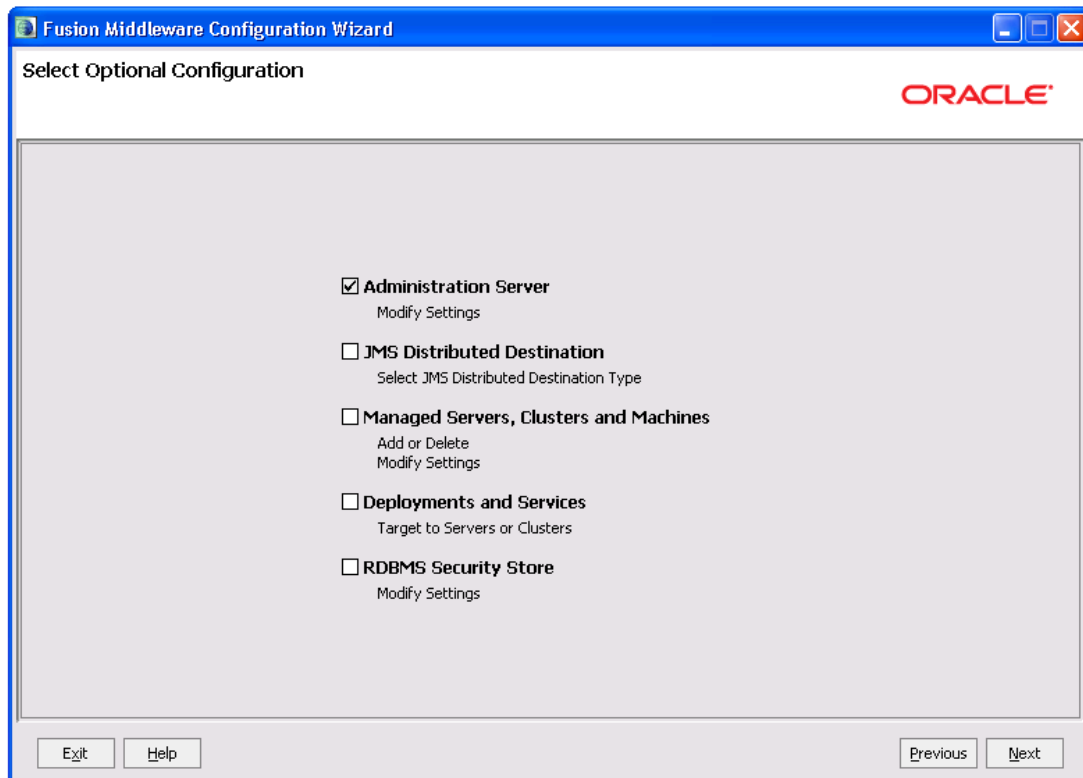
☐ Configure selected component schemas as RAC multi data source schemas in the next panel.

|                                     | 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      | *****           |

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

Fusion Middleware Configuration Wizard

Configure the Administration Server

ORACLE

⌂ Discard Changes

\*Name: AdminServer

\*Listen address: All Local Addresses

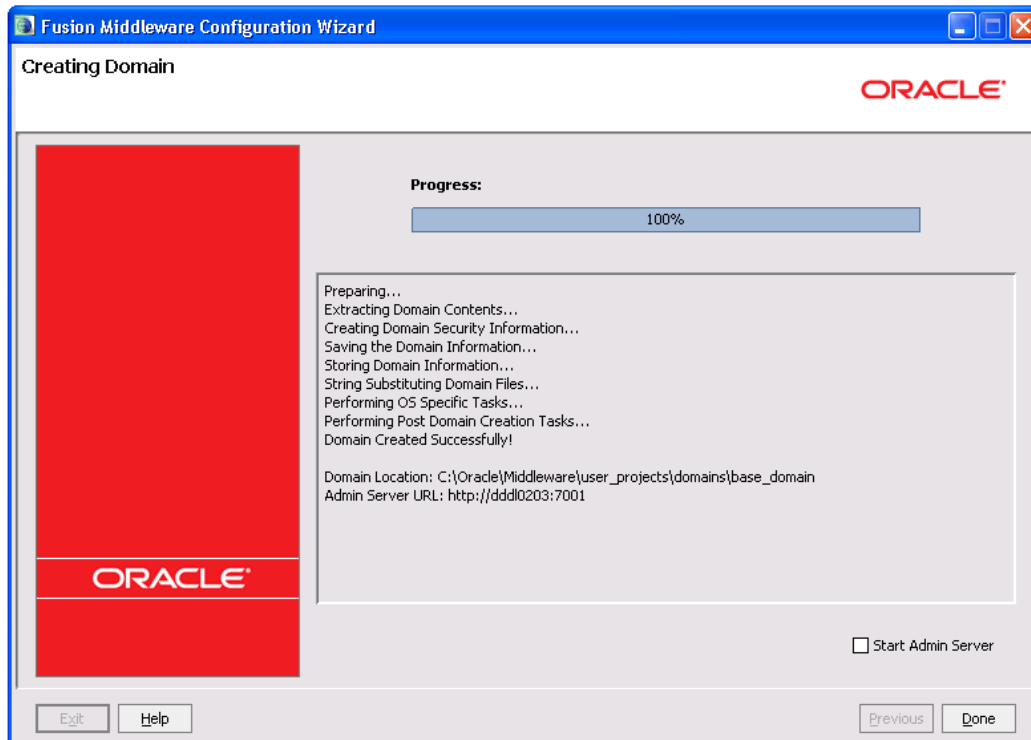
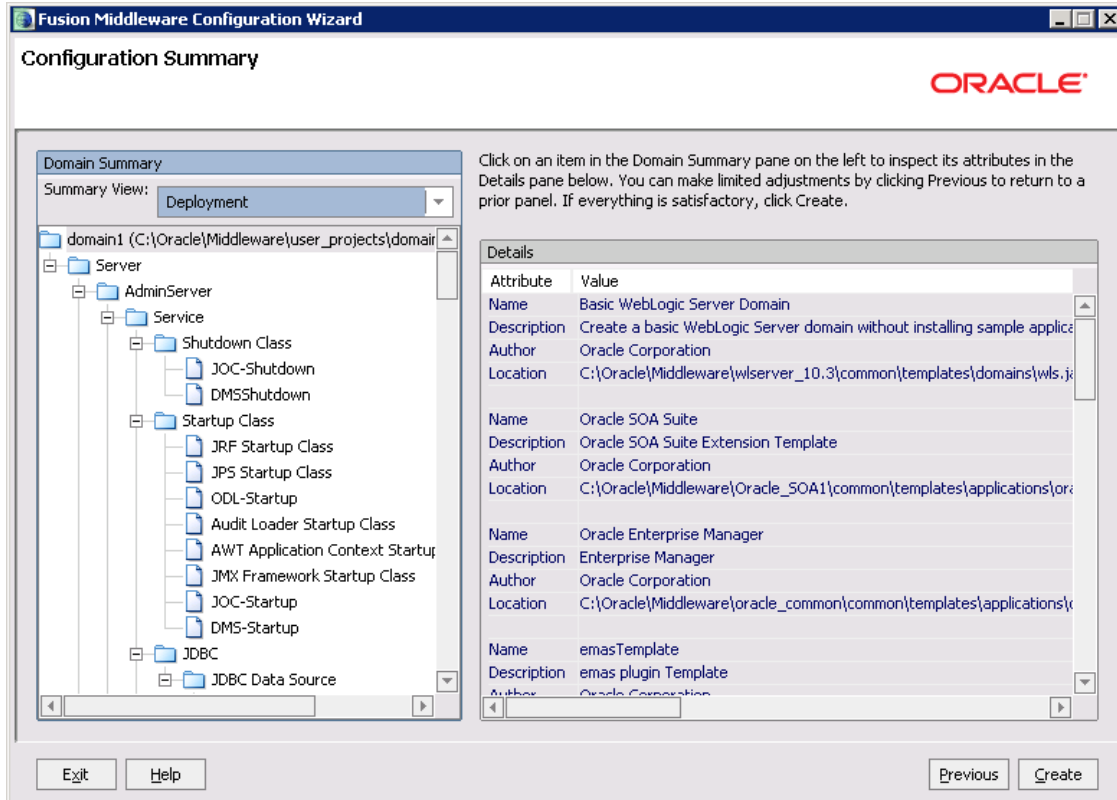
Listen port: 7001

SSL listen port: N/A

SSL enabled: ☐

Exit Help Previous Next

10. Configure the admin server.

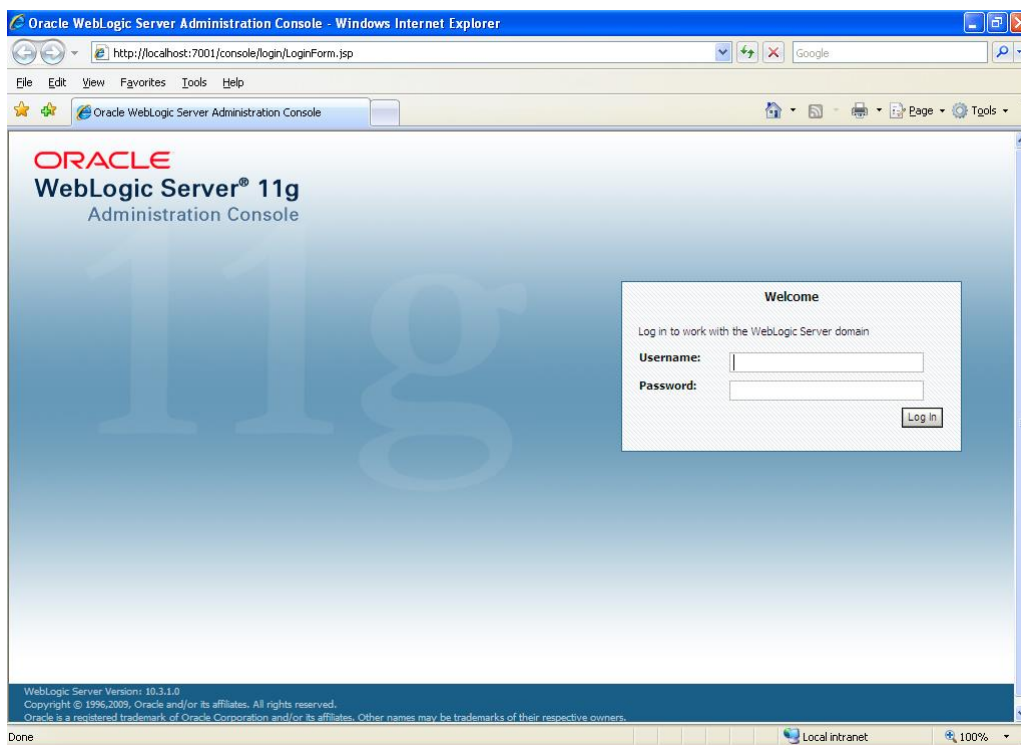


## 5. Checking the Deployment Summary

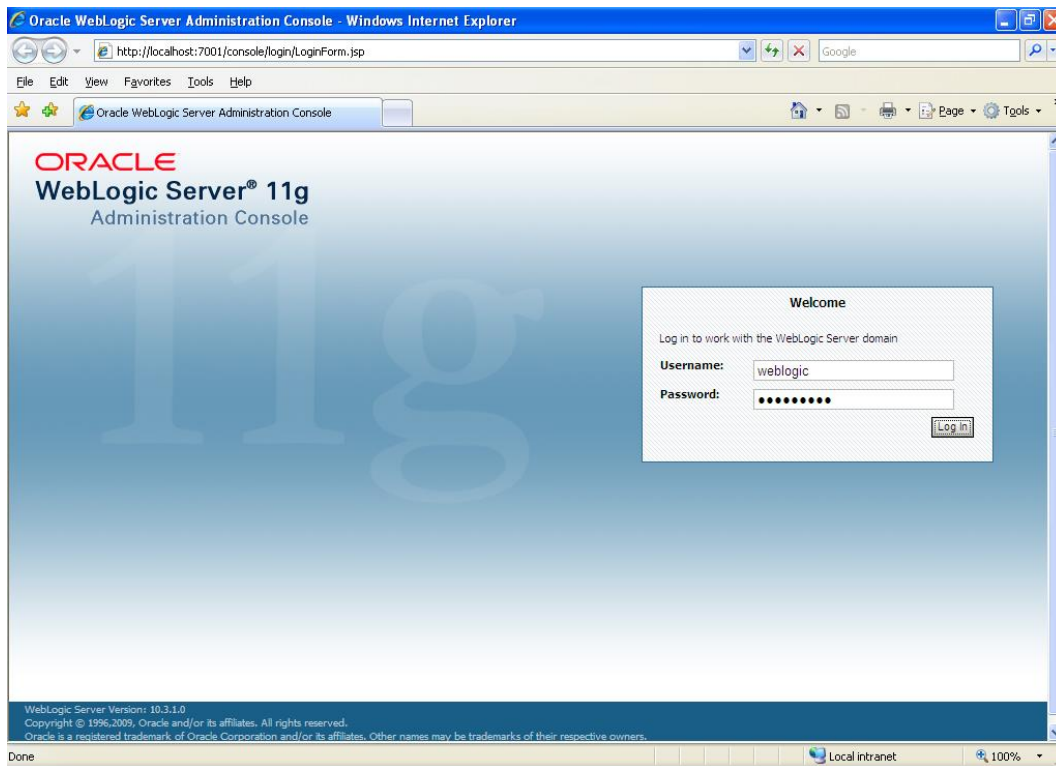
1. Open the Administrative Console of WEBLOGIC SERVER:
2. Open an internet browser and type the WEBLOGIC Admin Console URL Address of the server.

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

The following screen is displayed:



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



5. Click on deployments.
6. 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 displays the 'Summary of Deployments' page, which lists various applications and modules installed on the domain. The 'imaging' application is highlighted, showing it is 'Active' and 'OK'.

| Name                                        | State  | Health | Type                   | Deployment Order |
|---------------------------------------------|--------|--------|------------------------|------------------|
| adf.oracle.businesseditor(1.0,11.1.1.1.2.0) | Active |        | Library                | 100              |
| adf.oracle.domain(1.0,11.1.1.1.2.0)         | Active |        | Library                | 100              |
| adf.oracle.domain.webapp(1.0,11.1.1.1.2.0)  | Active |        | Library                | 100              |
| DMS Application (11.1.1.1.0)                | Active | OK     | Web Application        | 5                |
| em                                          | Active | OK     | Enterprise Application | 400              |
| email                                       | Active |        | Library                | 100              |
| emas                                        | Active |        | Library                | 100              |
| emcncore                                    | Active |        | Library                | 100              |
| FMW 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              |
| jst(1.2,1.2.0.1)                            | Active |        | Library                | 100              |
| ohw-rd(S,5.0)                               | Active |        | Library                | 100              |
| ohw-un(S,5.0)                               | Active |        | Library                | 100              |
| Oracle UCM Help                             | Active | OK     | Web Application        | 225              |

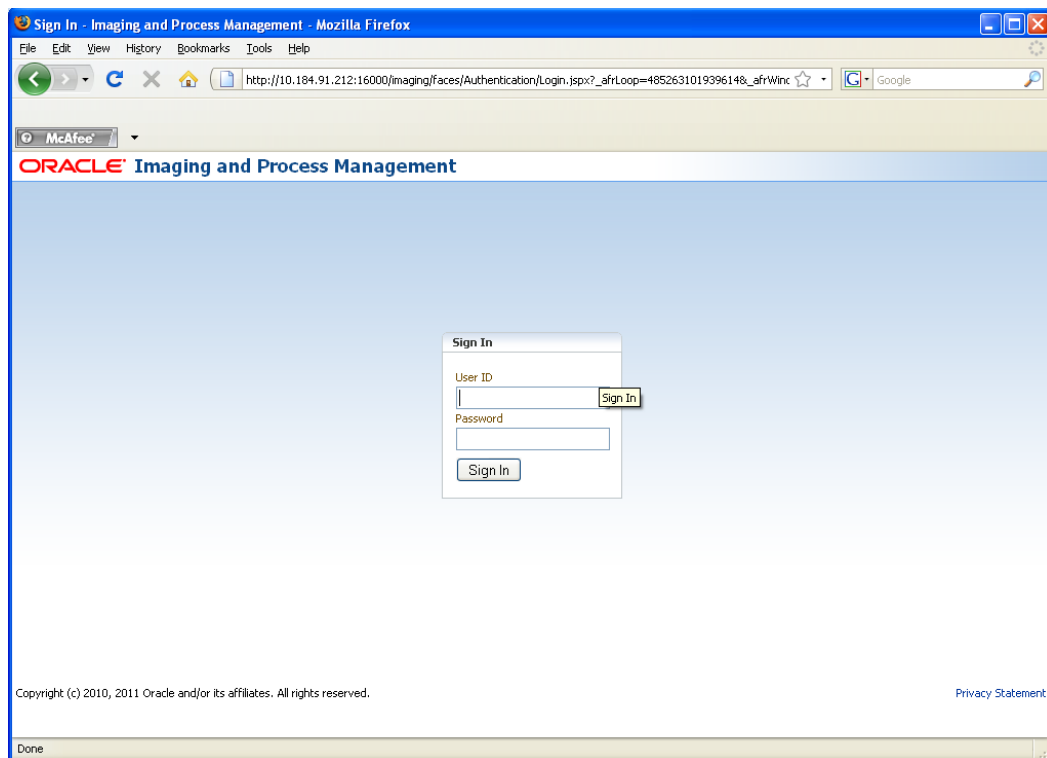
7. Imaging application should be up and running.

## 6. Creating FLEXCUBE Application

1. Open the Imaging application:

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

The following screen is displayed:



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

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

The screenshot shows a web browser window titled "Oracle Imaging and Process Management - Windows Internet Explorer provided by Softpedia". The address bar shows the URL "http://10.184.91.212:16000/imaging/faces/Pages/Welcome.jsp". The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The Favorites bar shows several links, including "Oracle FLEXCUB...", "Simple Query", and "Oracle Imagi...". The main content area displays the "ORACLE Imaging and Process Management" application. The application has a navigation pane on the left with links like "Search", "Tools", "Manage", and "FLEXCUBE". The main pane shows a "Create Connection: Basic Information" form. The form has tabs for "Basic Information", "Content Server Settings", "Security", and "Review Settings". The "Basic Information" tab is active. The form contains the following fields: "Name" (with value "Conn"), "Description" (with value "Conn"), and "Connection Type" (with value "Content Server Repository"). There are "Cancel", "Back", "Next", and "Submit" buttons at the top right of the form. The footer of the application shows "Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved." and "Privacy Policy".

Oracle Imaging and Process Management - Windows Internet Explorer provided by Softpedia

http://10.184.91.212:16000/imaging/faces/Pages/Welcome.jsp

File Edit View Favorites Tools Help

Search Tools Manage FLEXCUBE

Oracle FLEXCUB... Simple Query Oracle Imagi...

ORACLE Imaging and Process Management

Basic Information Content Server Settings Security Review Settings

Create Connection: Basic Information

Provide the basic information about the Connection.

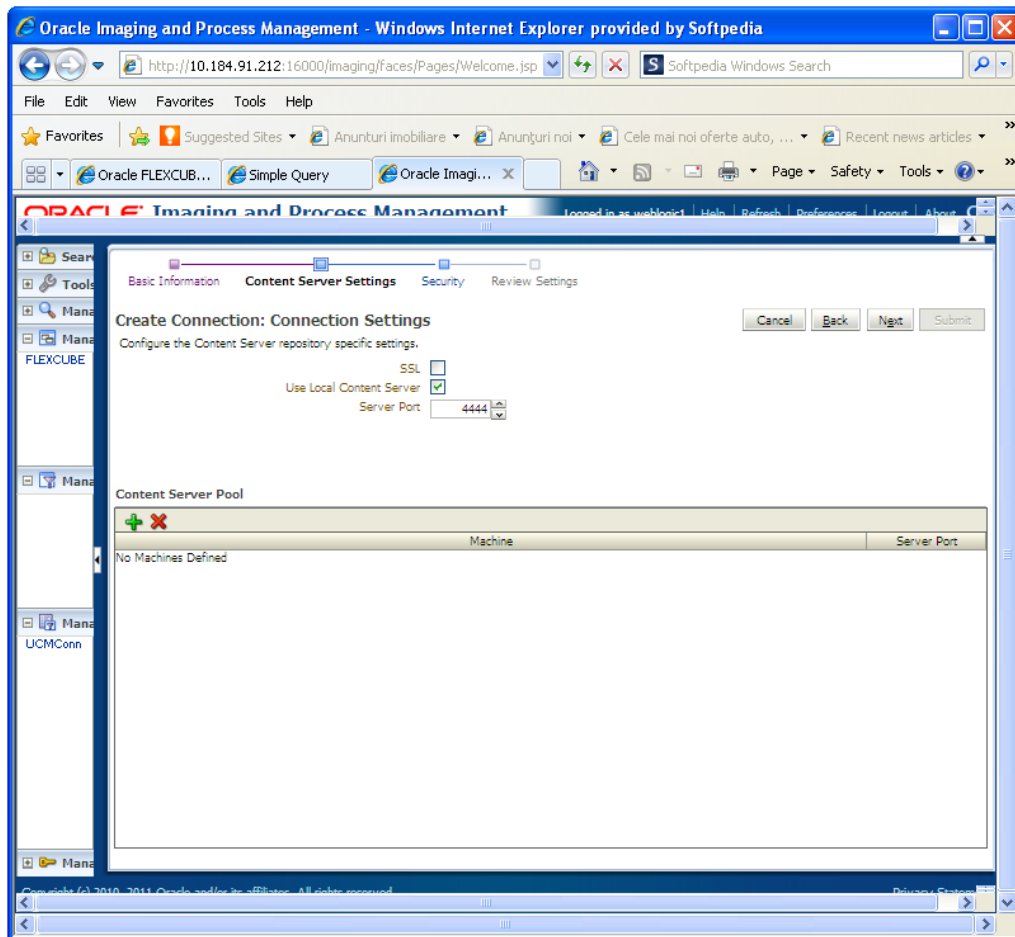
Name Conn

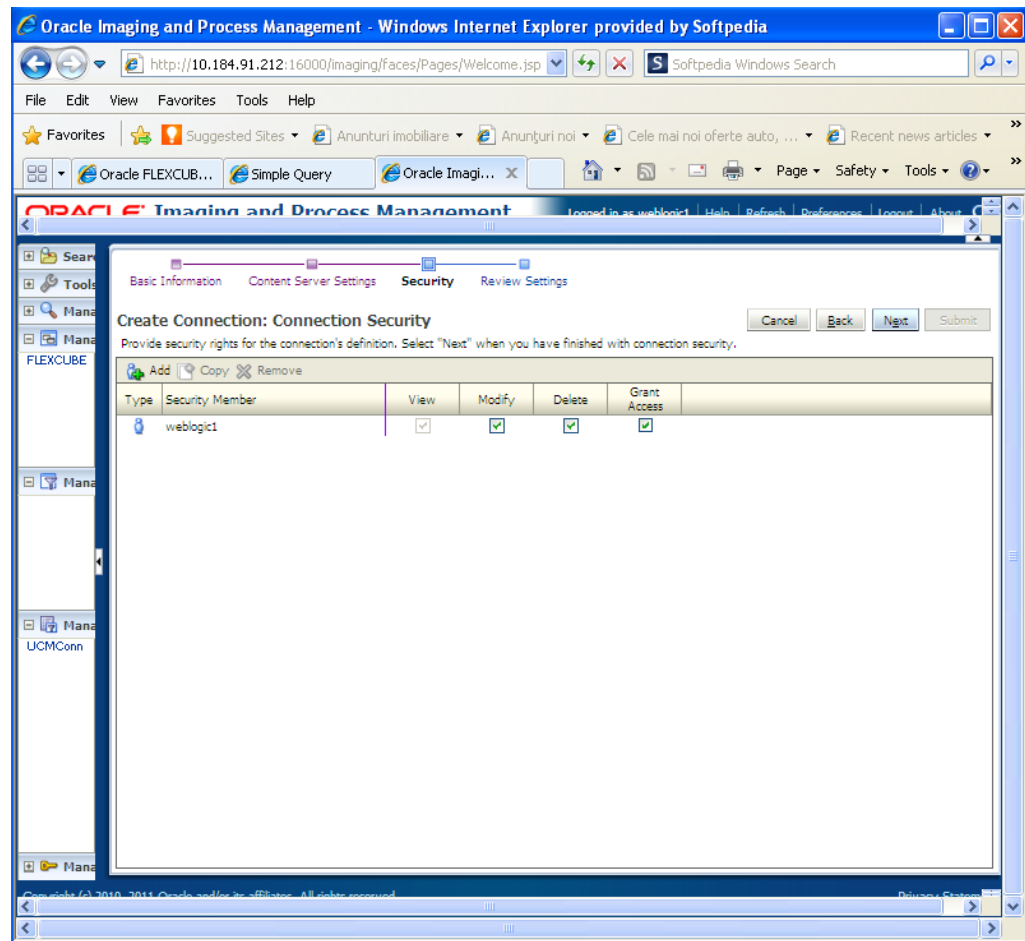
Description Conn

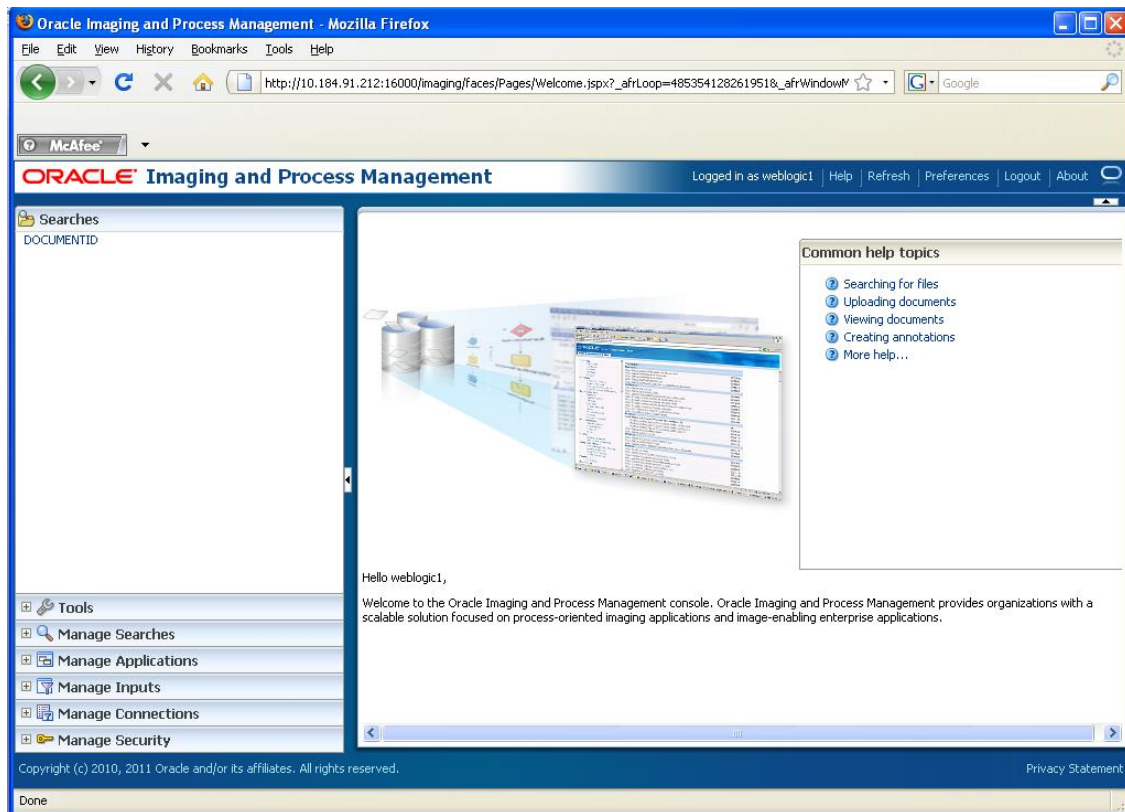
Connection Type Content Server Repository

Cancel Back Next Submit

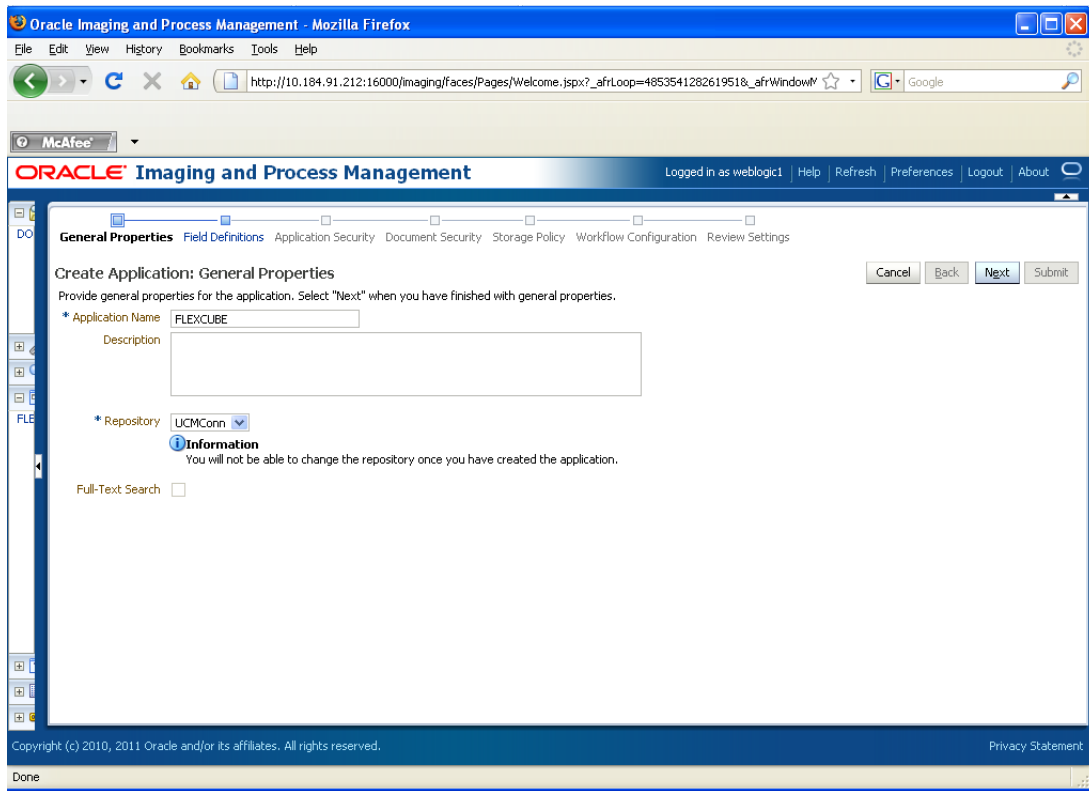
Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved. Privacy Policy







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



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?\_afrcLoop=4853541282619518&\_afrcWindowW

McAfee

ORACLE Imaging and Process Management

Logged in as weblogic1 | Help | Refresh | Preferences | Logout | About

General Properties Field Definitions Application Security Document Security Storage Policy Workflow Configuration Review Settings

Create Application: General Properties

Provide general properties for the application. Select "Next" when you have finished with general properties.

\* Application Name

Description

\* Repository  **Information**  
You will not be able to change the repository once you have created the application.

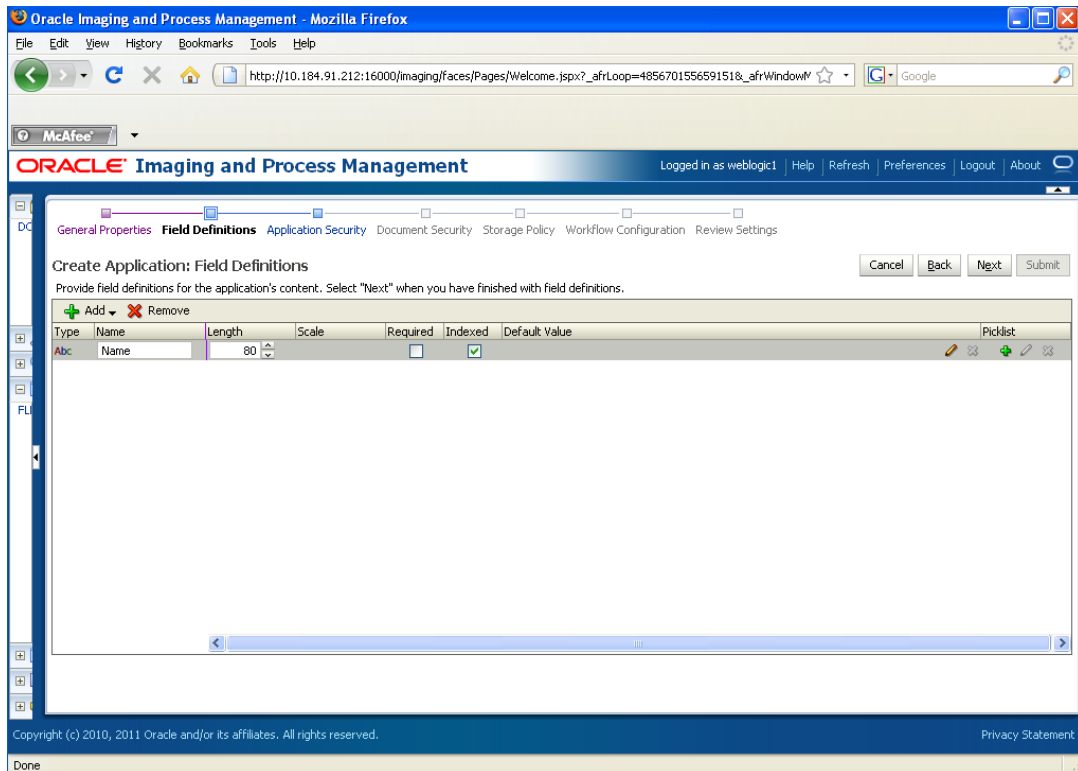
Full-Text Search ☐

Cancel Back Next Submit

Copyright (c) 2010, 2011 Oracle and/or its affiliates. All rights reserved. Privacy Statement

Done

8. Click on 'Next' and add a field name 'Name'.



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?\_afrcLoop=4856701556591518&\_afrcWindowW

McAfee

ORACLE Imaging and Process Management

Logged in as weblogic1 | Help | Refresh | Preferences | Logout | About

General Properties Field Definitions Application Security Document Security Storage Policy Workflow Configuration Review Settings

Create Application: Field Definitions

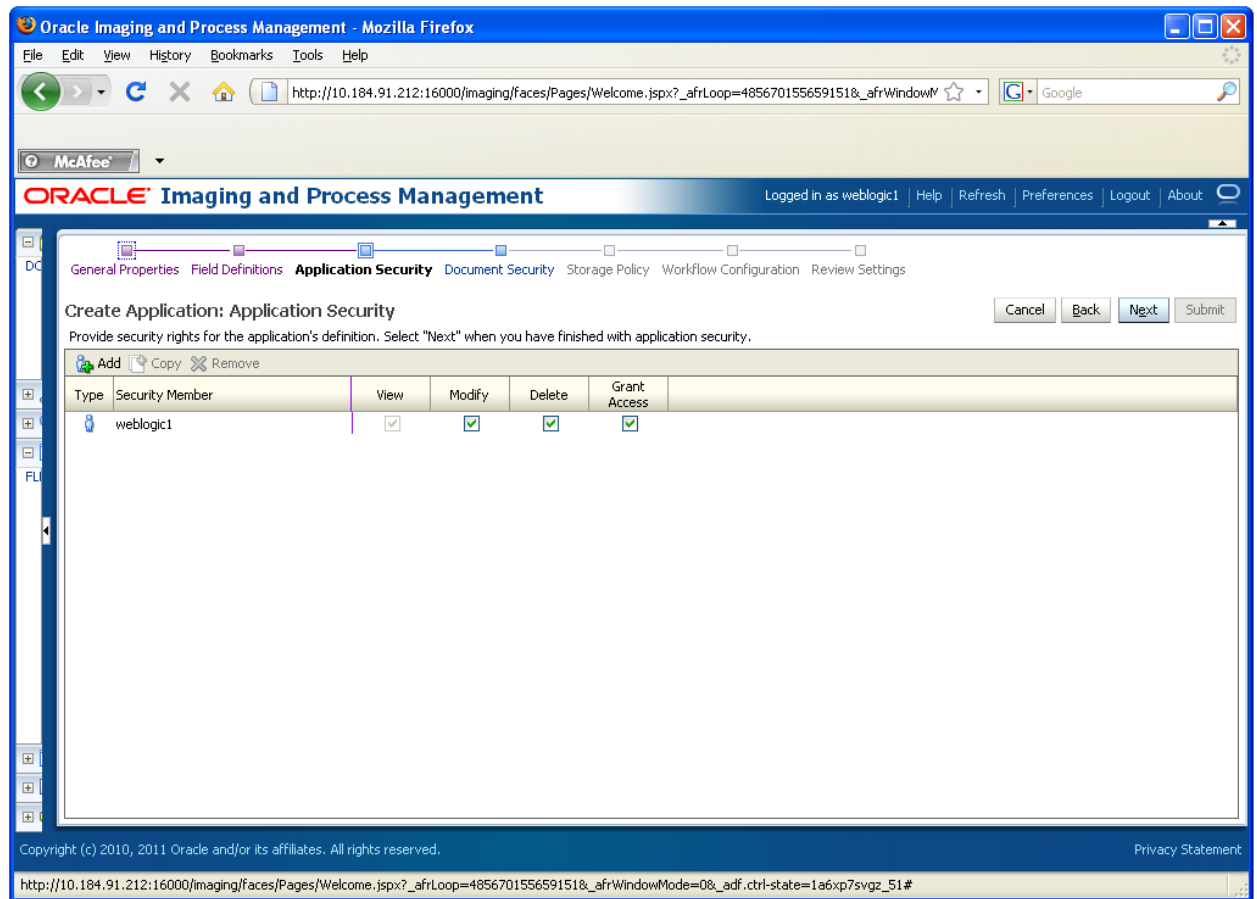
Provide field definitions for the application's content. Select "Next" when you have finished with field definitions.

+ Add - Remove

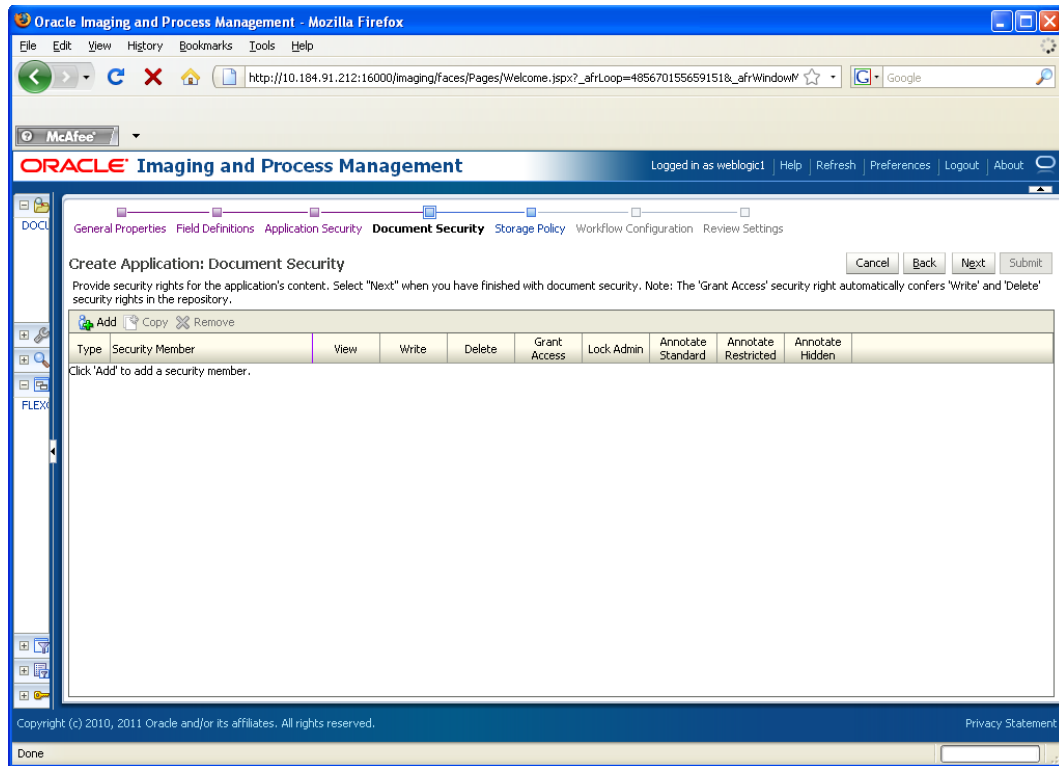
| Type | Name | Length | Scale | Required                 | Indexed                             | Default Value | Picklist                 |
|------|------|--------|-------|--------------------------|-------------------------------------|---------------|--------------------------|
| Abc  | Name | 80     |       | <input type="checkbox"/> | <input checked="" type="checkbox"/> |               | <input type="checkbox"/> |

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Done



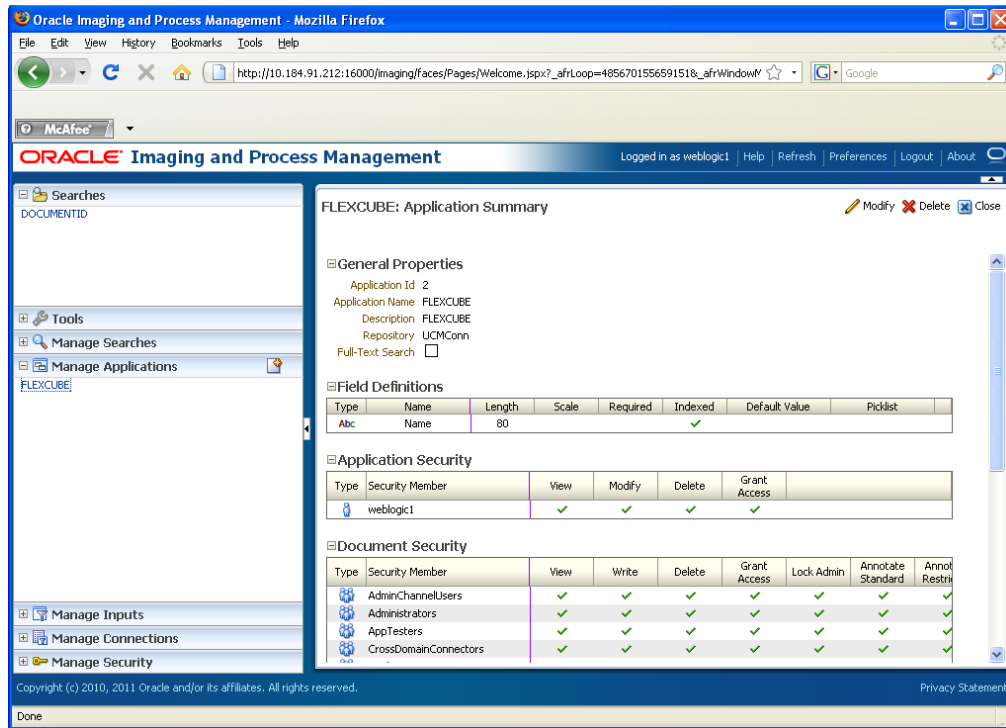
9. Click on 'Next'.



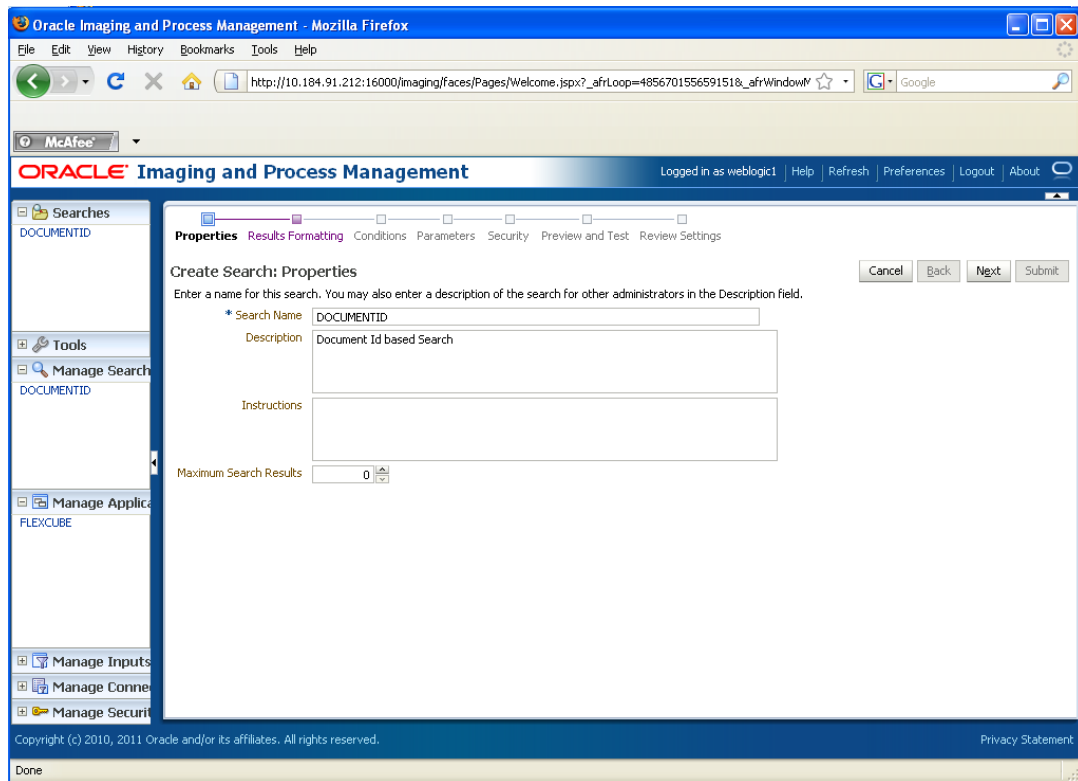
10. Add security member giving all rights.

11. Click on 'Next'.

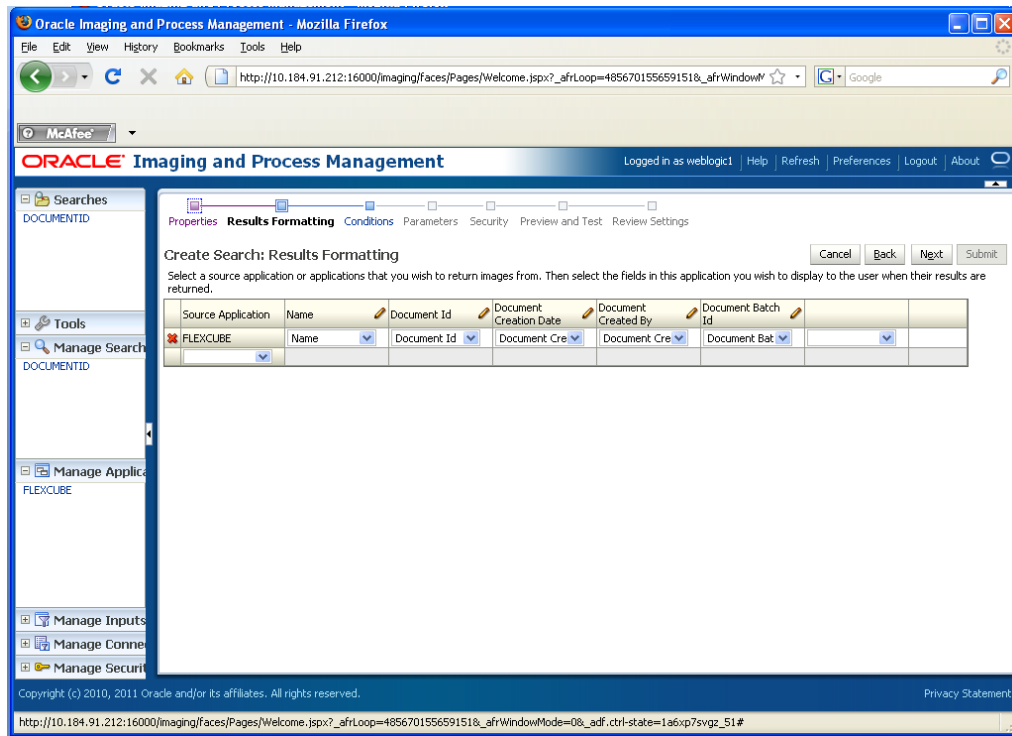
Application Summary appears as:



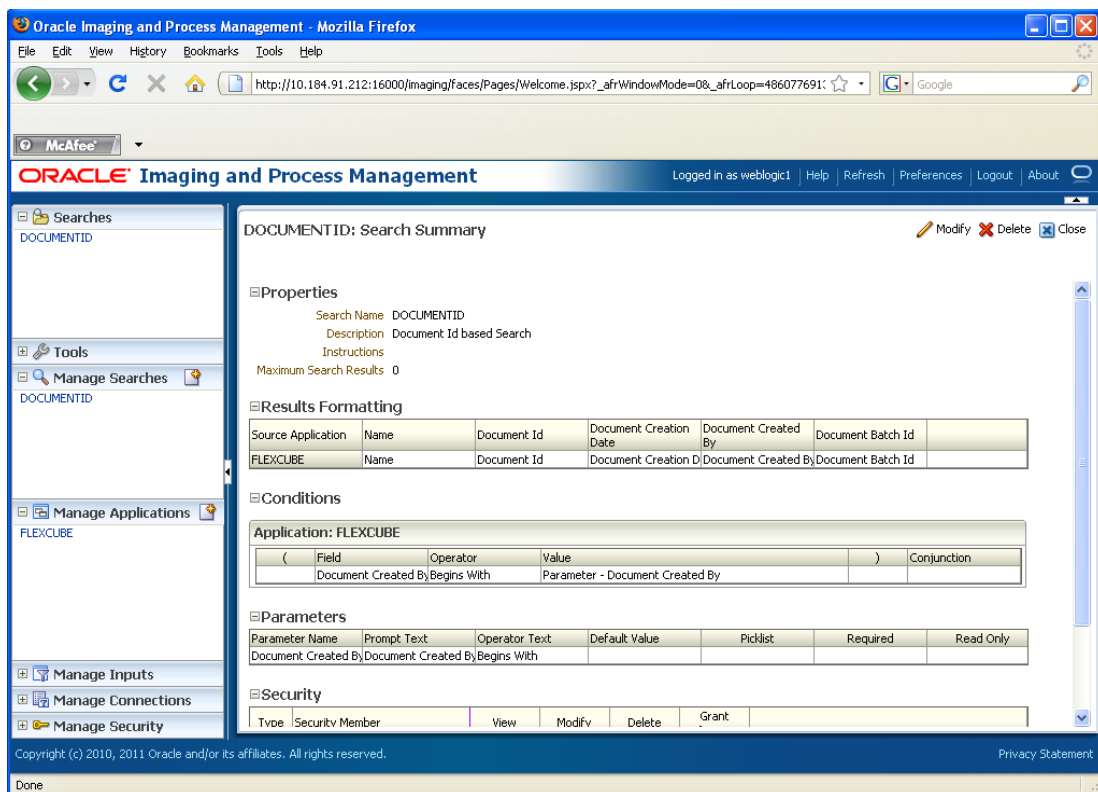
12. Click on 'Manage Searches' to add a search for DocumentID.



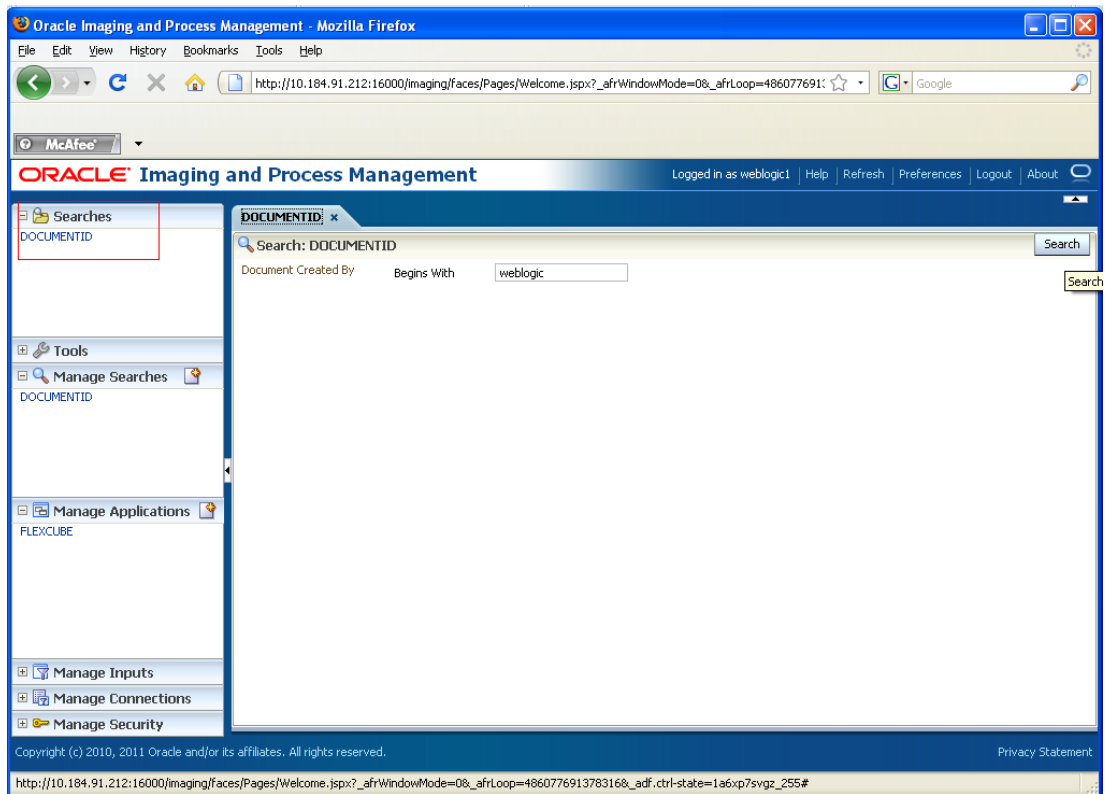
13. Click on 'Next' and add all the details as shown:



The following screen appears after creation:



14. 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.

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?\_afWindowMode=0&\_afLoop=486077691: Google

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**

**DOCUMENTID**

Search: DOCUMENTID

Document Created By Begins With weblogic

View Email Open Lock Unlock Update Download Copy Move Delete Detach

| 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              |

Search: DOCUMENTID

Rows returned: 96

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Done



UCM Server Setup  
[Nov] [2022]  
Version 14.7.0.0.0

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