

UCM Server Setup
Oracle FLEXCUBE Investor Servicing
Release 12.1.0.0.0
[October] [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

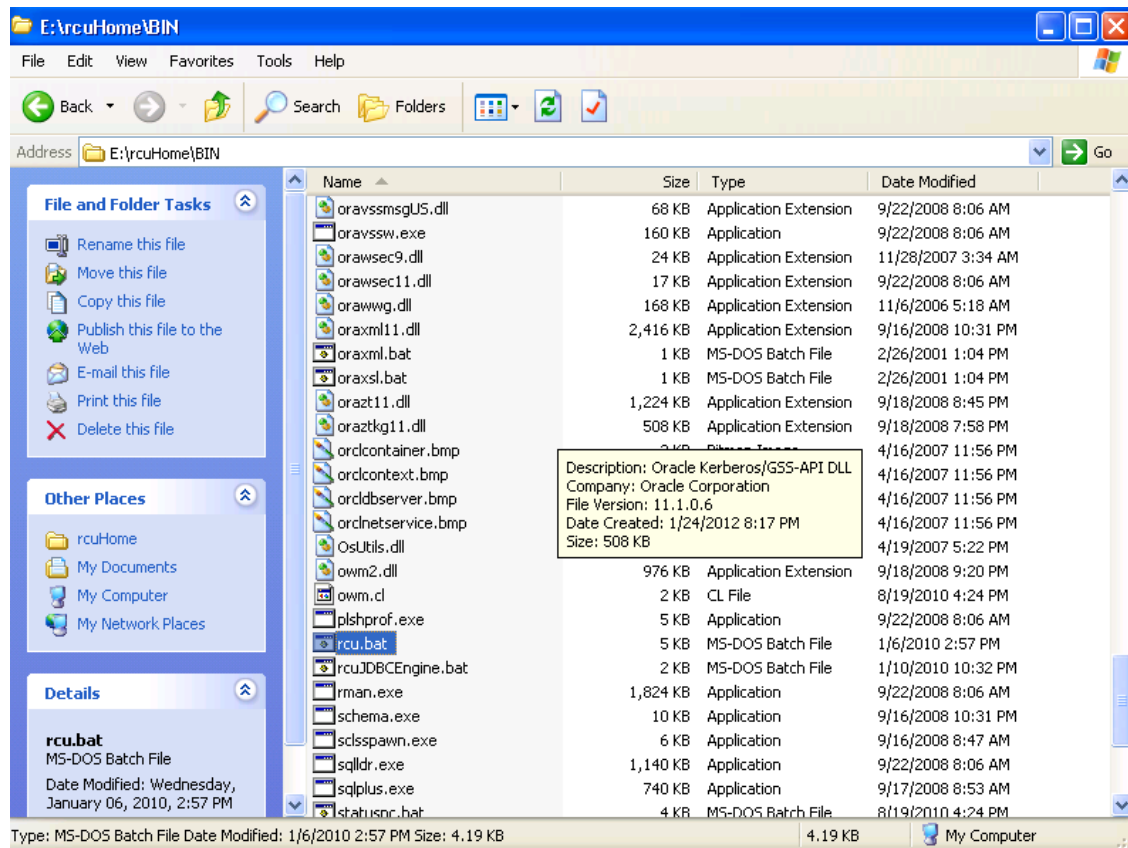
<http://www.oracle.com/technetwork/middleware/soasuite/downloads/index.html>

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

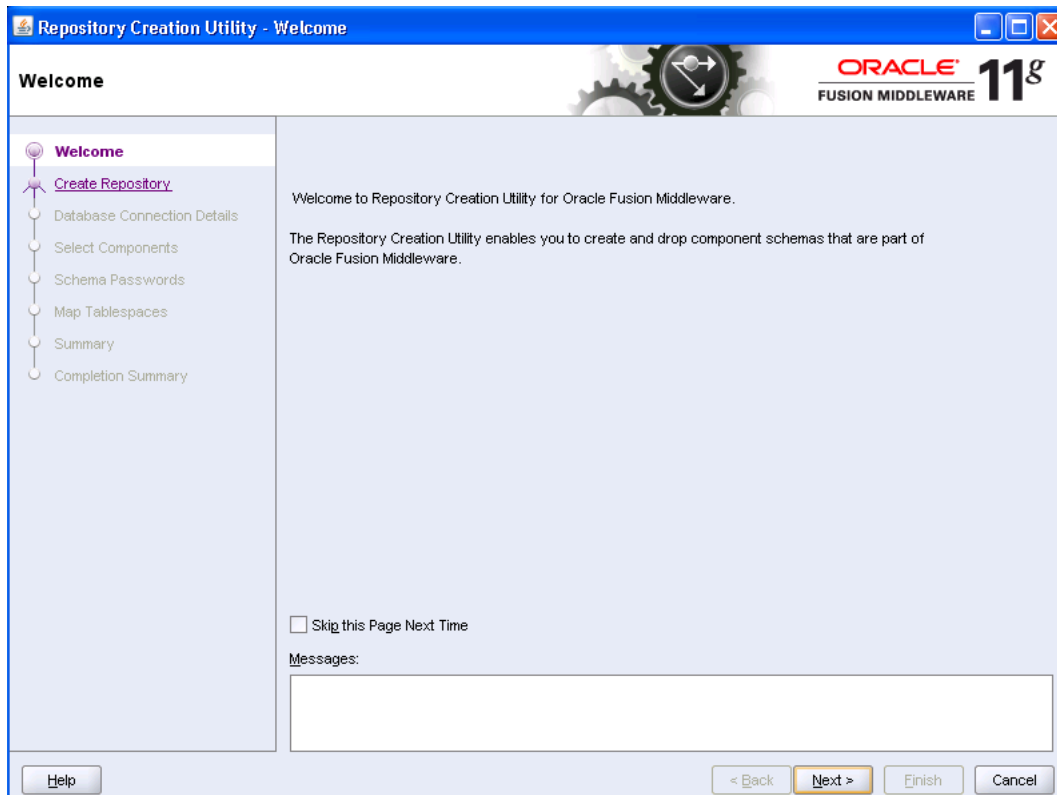
<rcu_home>\BIN

Where rcu_home is the directory in which RCU is installed.

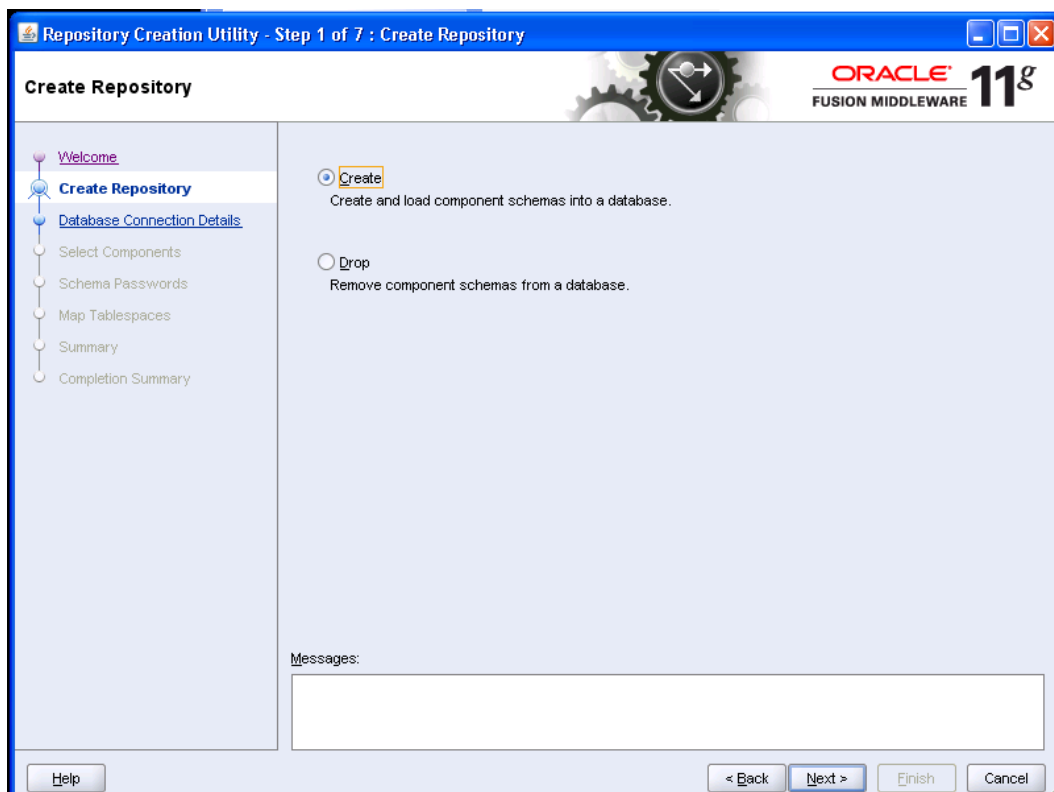
4. Click on rcu.bat file to create the repository.



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 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 11g
FUSION MIDDLEWARE

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

A Prefix groups the components associated with one deployment.

☐ Select an existing Prefix
☒ Create a new Prefix

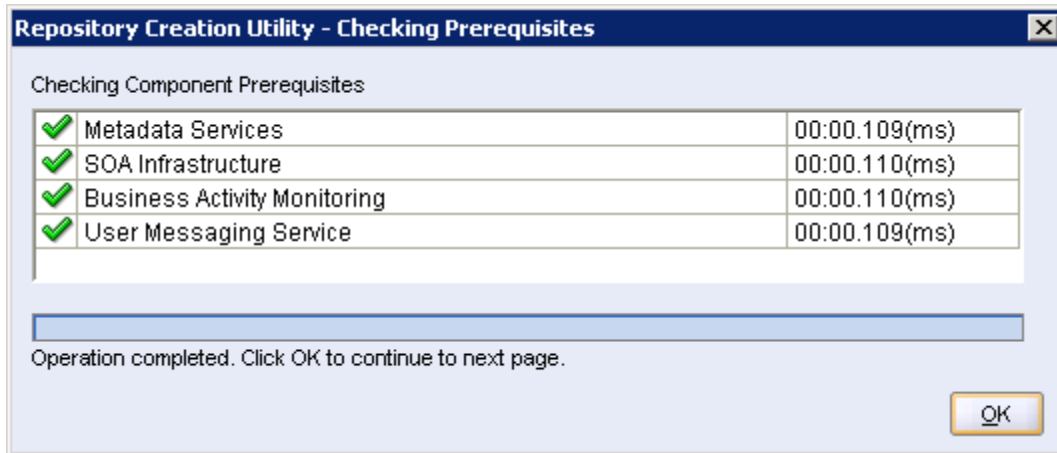
DEV

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

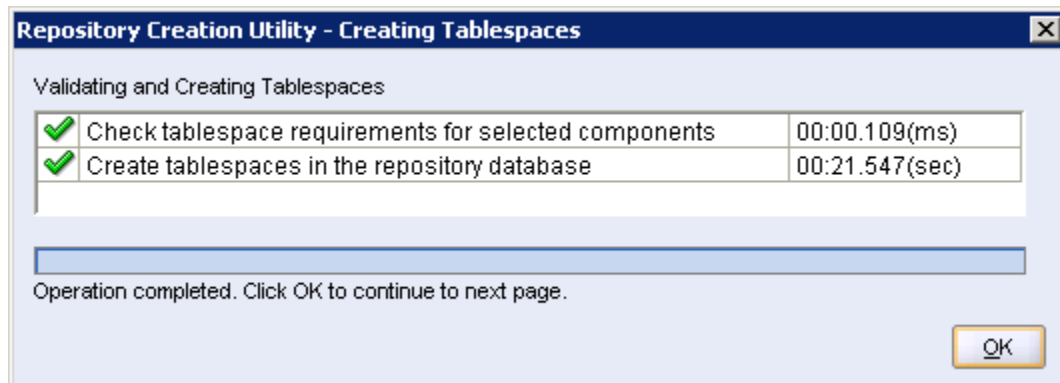
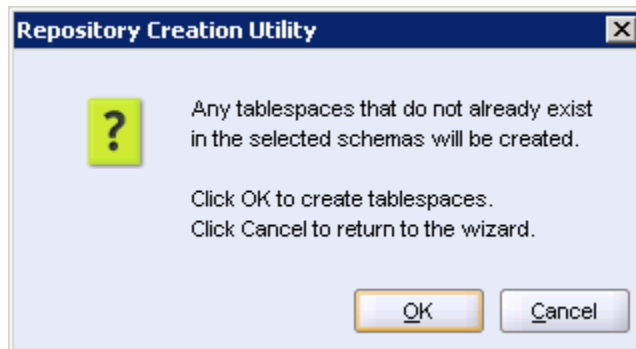
| Component | Schema Owner |
|--|--------------|
| <input type="checkbox"/> Oracle AS Repository Components | |
| <input checked="" type="checkbox"/> AS Common Schemas | |
| <input checked="" type="checkbox"/> Metadata Services | DEV_MDS |
| <input type="checkbox"/> Audit Services | IAU |
| <input type="checkbox"/> 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:

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

Database details:

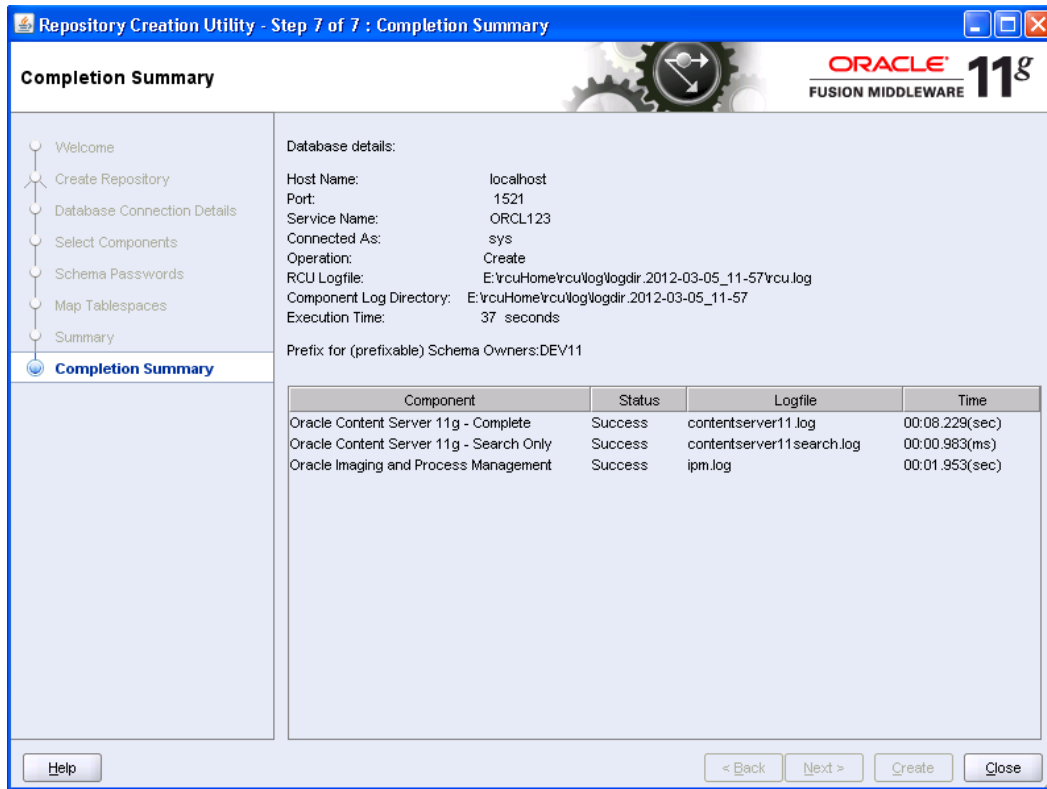
Host Name: ddhp0240.i-flex.com
 Port: 1521
 Service Name: ORCL.I-FLEX.COM
 Connected As: SYS
 Operation: Create

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>

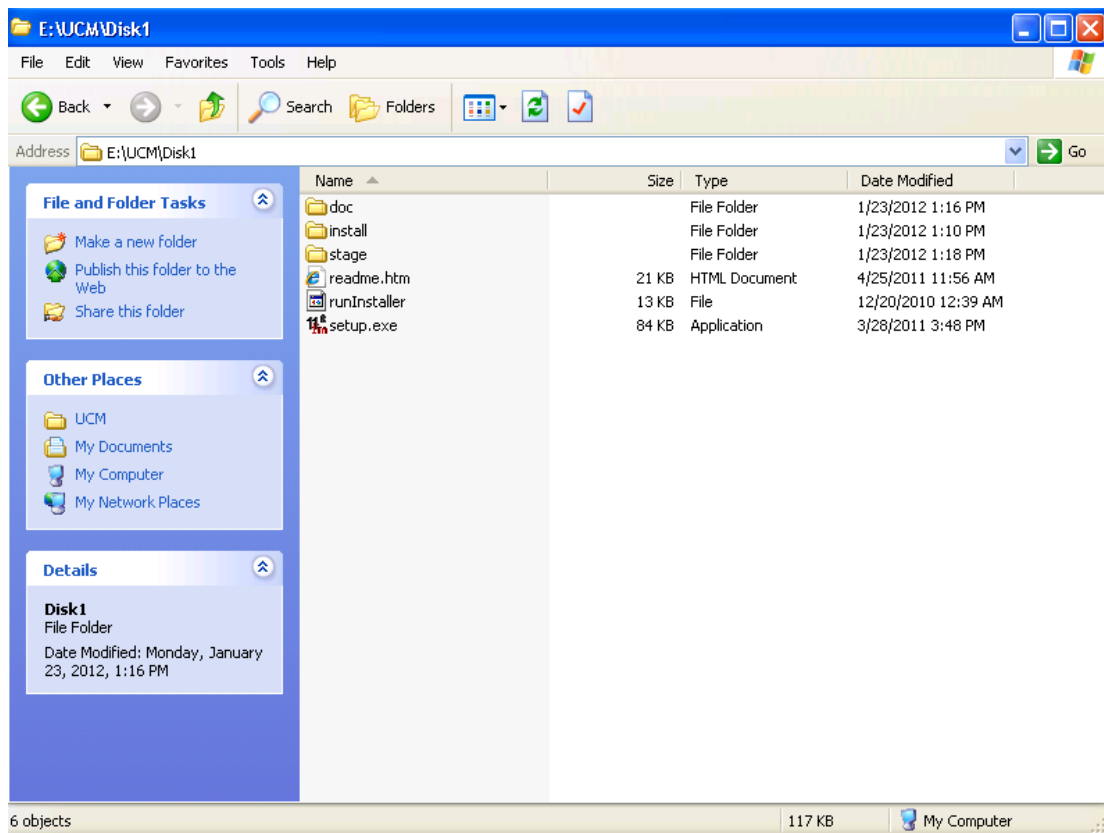
2. At the right top corner there is a search box, where searching for string <11.1.1.5>
3. Search for <Enterprise Content> in the result page and found a zip which is downloadable.
4. Download Enterprise Content Management

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

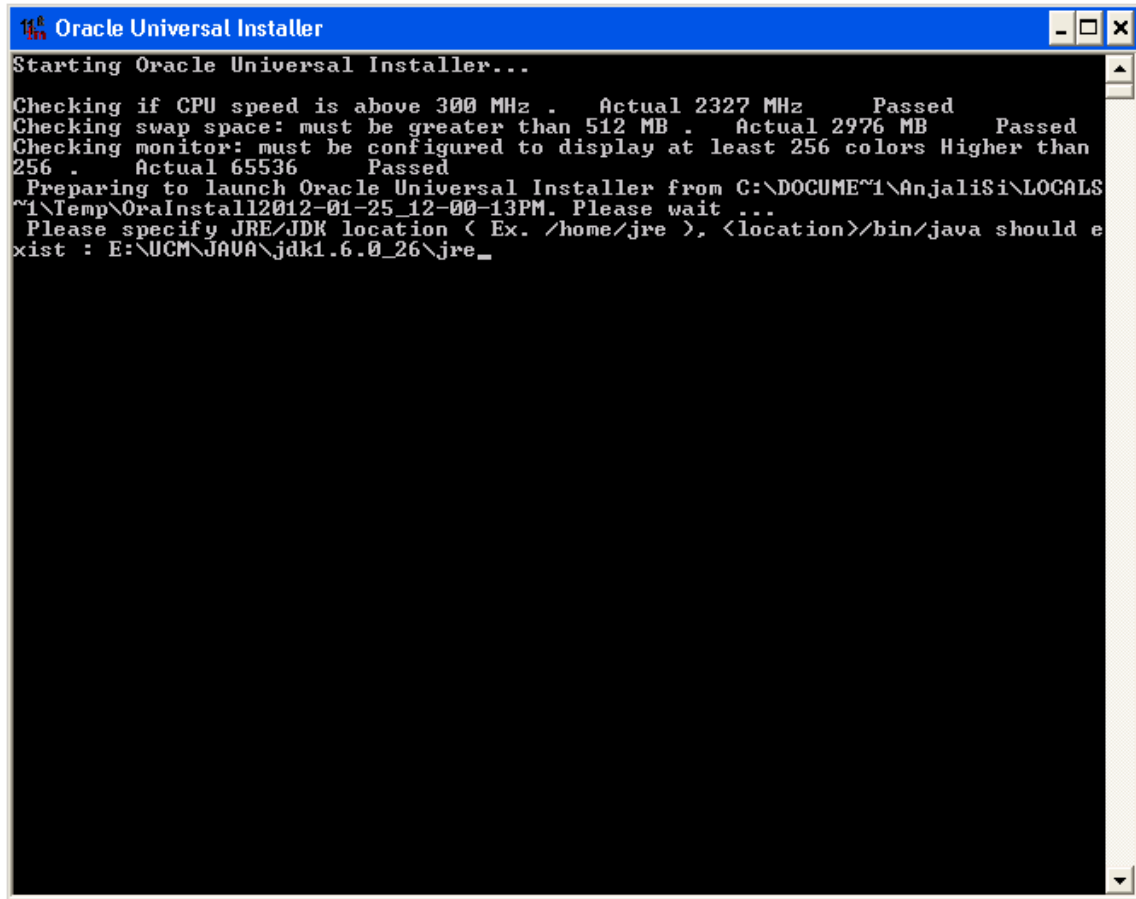
[Oracle Enterprise Content Management 11g \(11.1.1.5.0\) \(zip file 2 of 2\)](#)

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

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

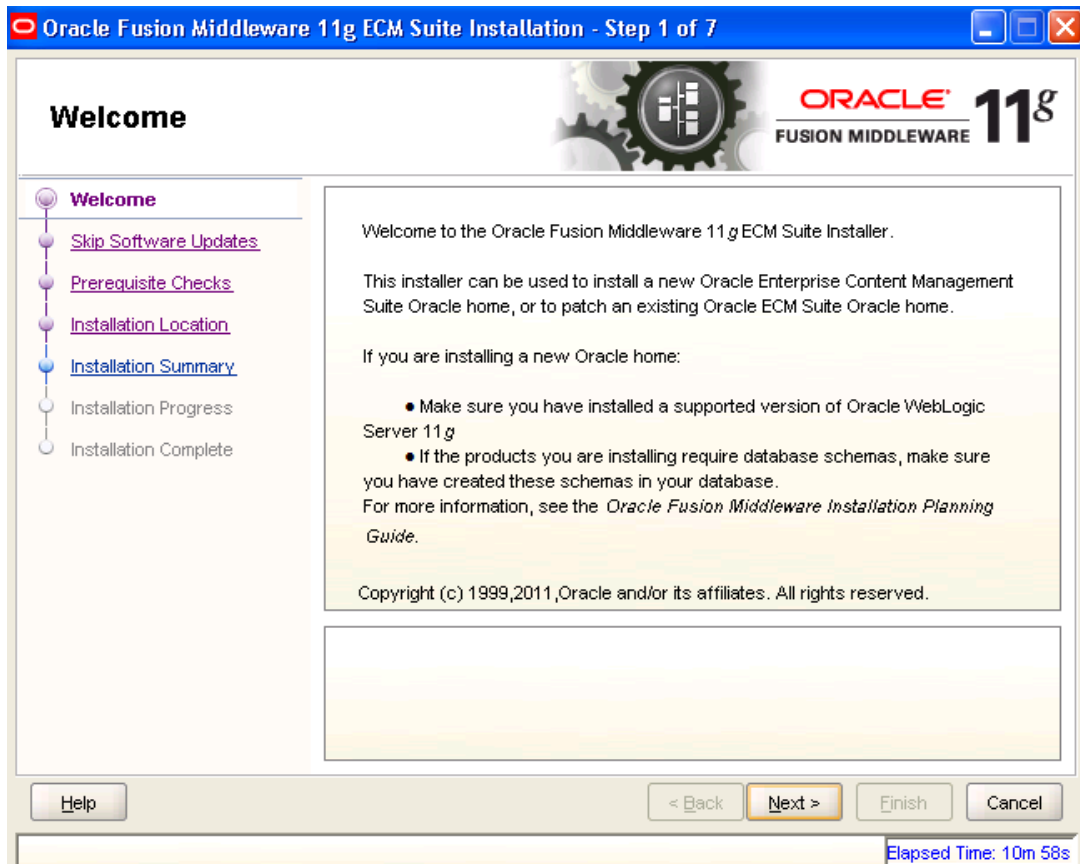


6. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.6.0.26\jre.

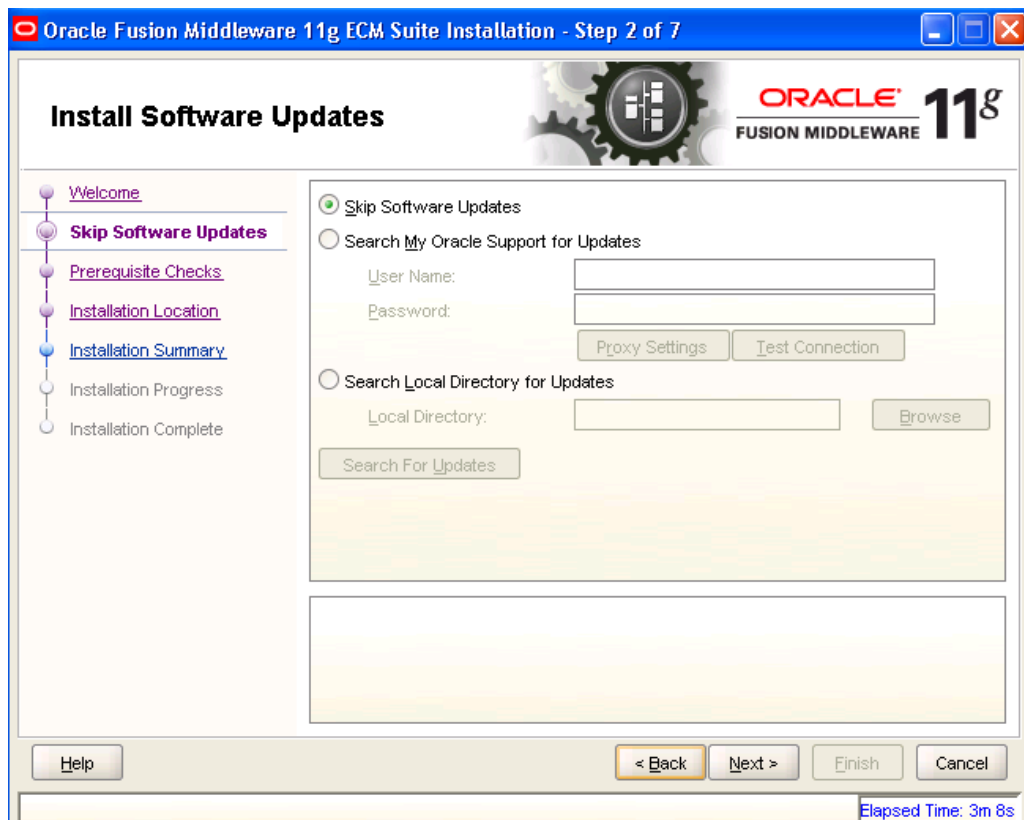


```
Oracle Universal Installer
Starting Oracle Universal Installer...

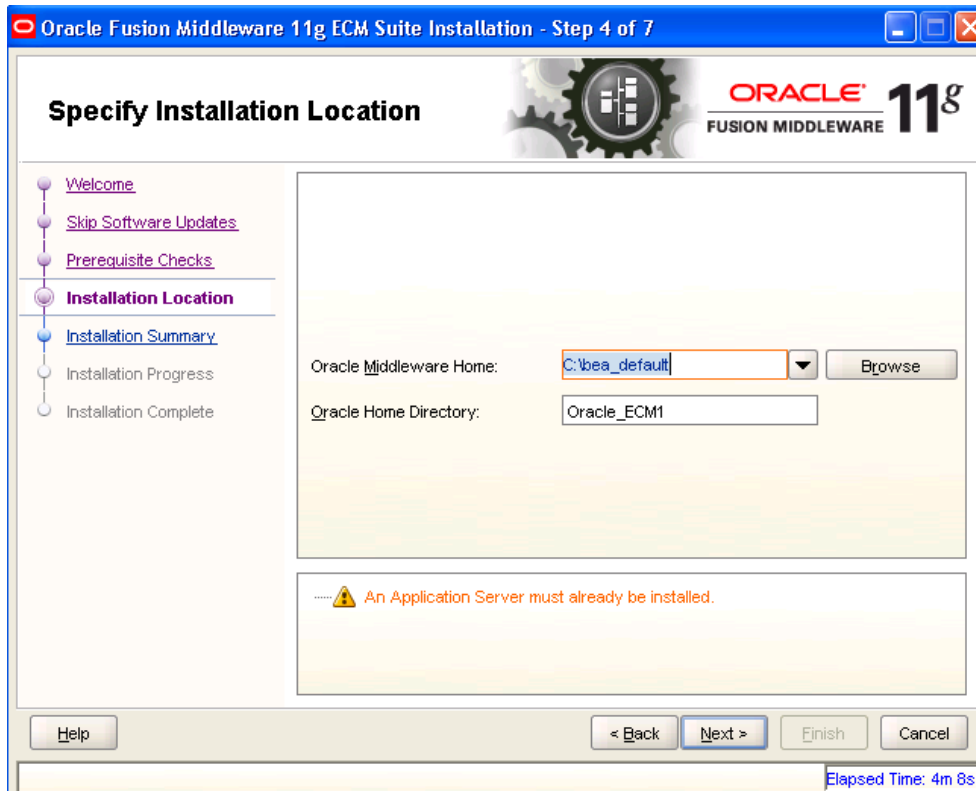
Checking if CPU speed is above 300 MHz .    Actual 2327 MHz    Passed
Checking swap space: must be greater than 512 MB .    Actual 2976 MB    Passed
Checking monitor: must be configured to display at least 256 colors Higher than
256 .    Actual 65536    Passed
Preparing to launch Oracle Universal Installer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



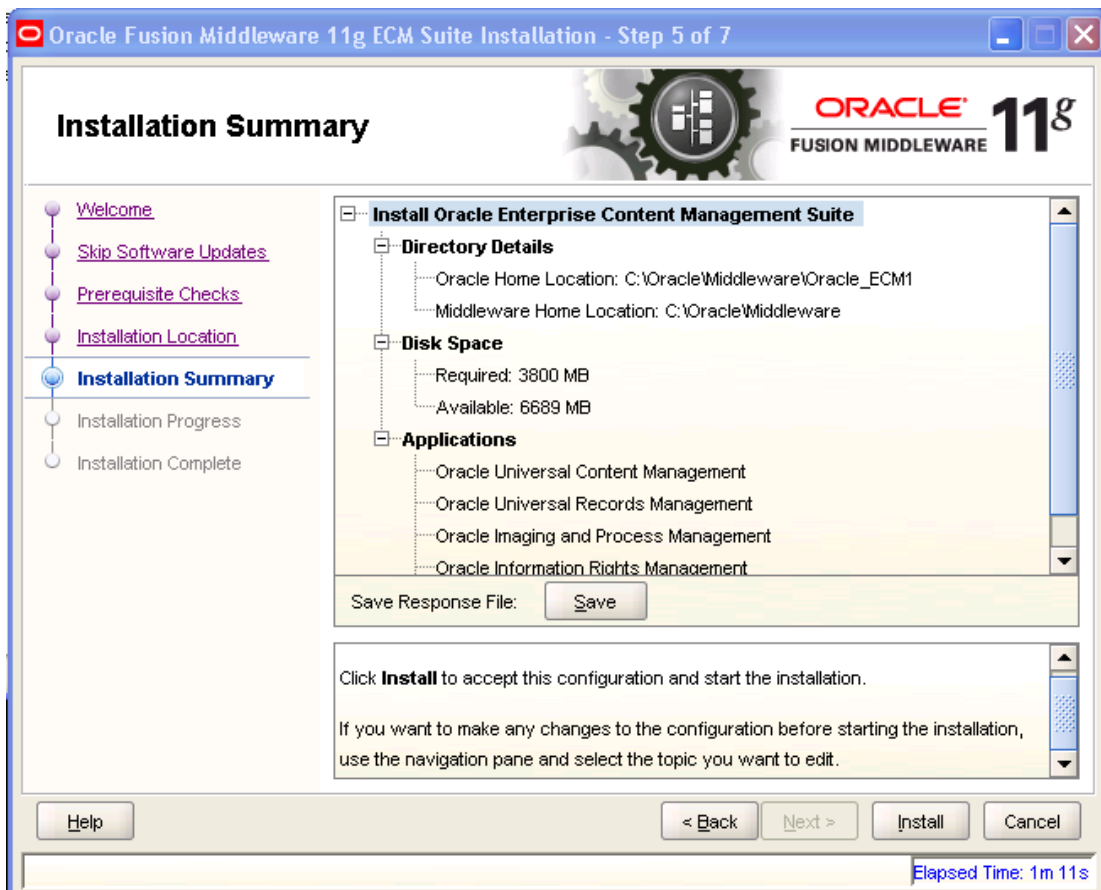
7. Click 'Next' to navigate to skip software updates



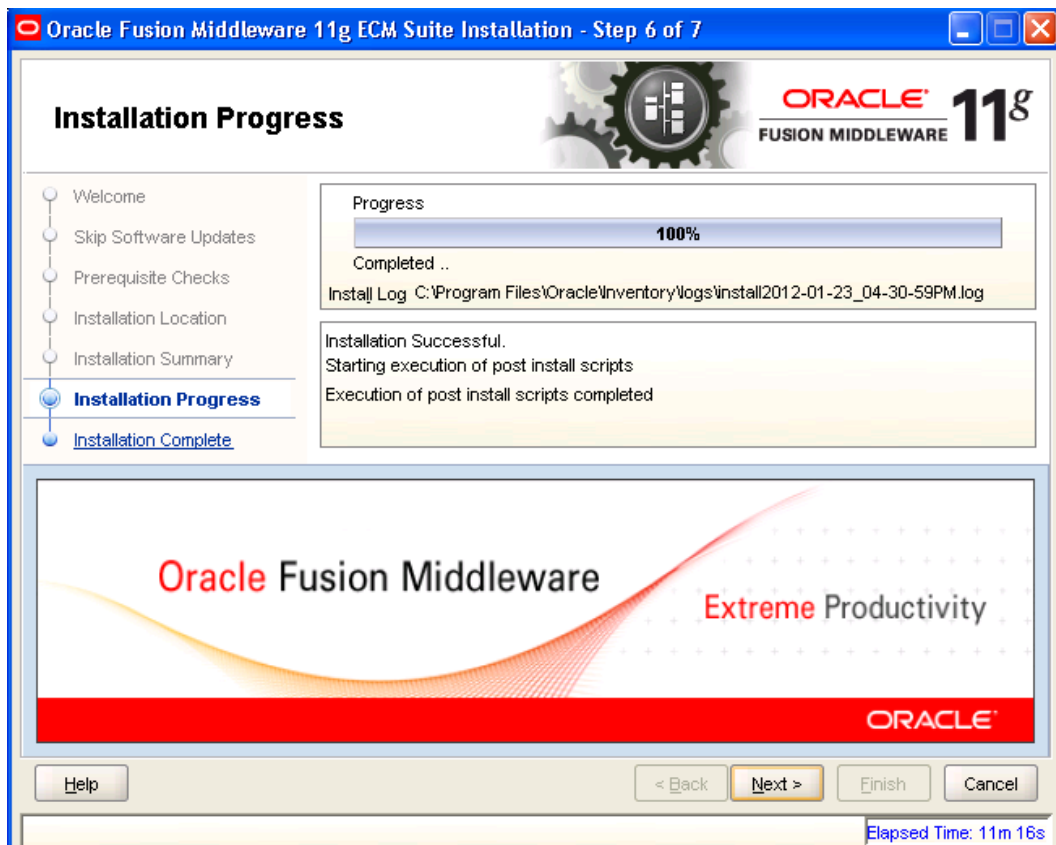
8. Click 'Next' to navigate to specify Installation Location.

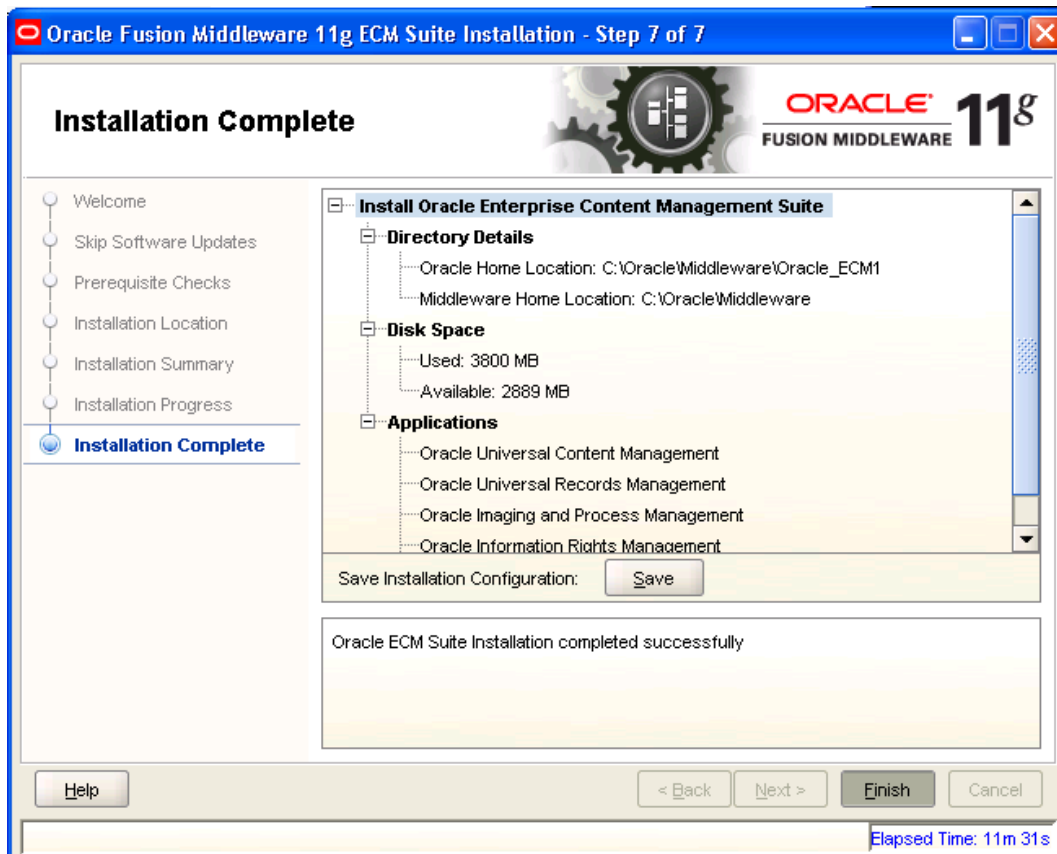


9. Specify your Oracle Middleware home directory path and click next. Oracle Middleware version should be 10.3.5.



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





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

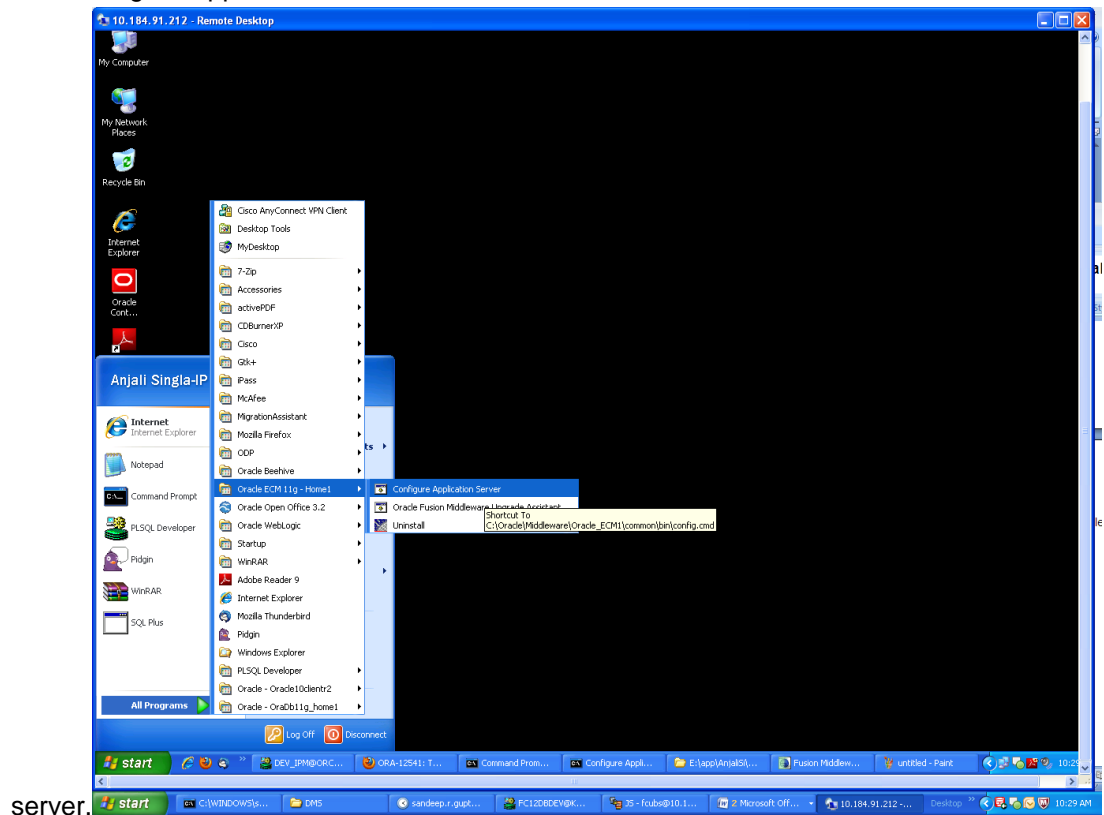
4. Configuring the ECM application server:

4.1 Introduction

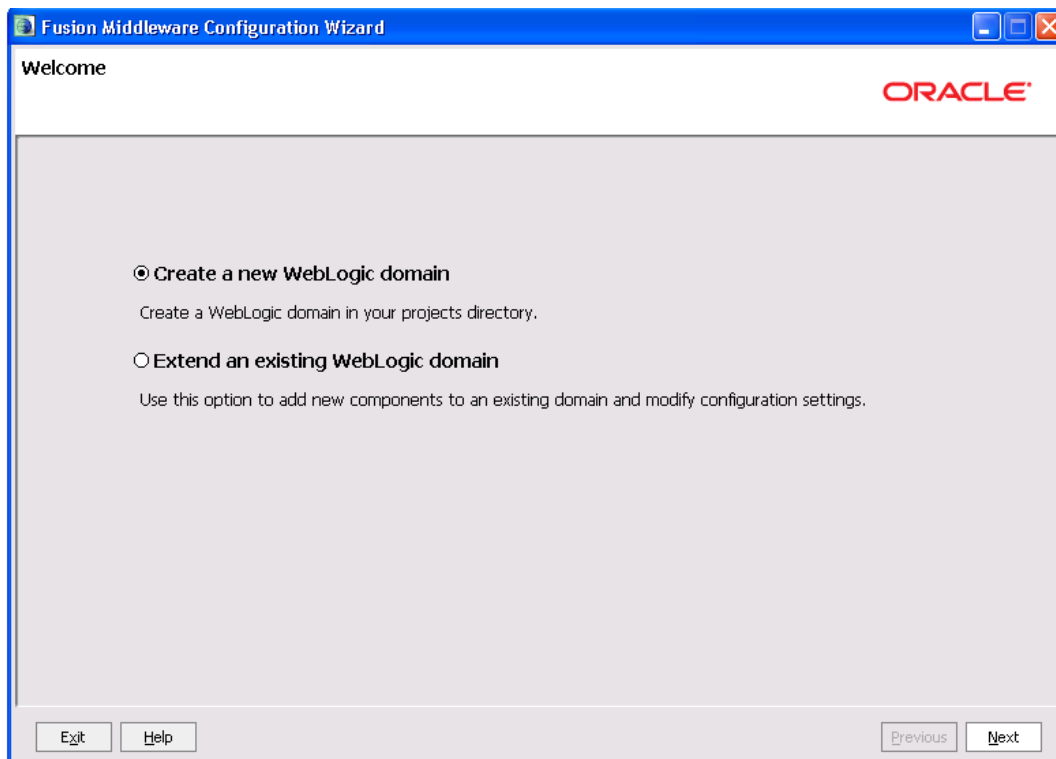
New domain can be configured or an existing domain can be extended with Oracle ECM suite components.

4.2 New Domain Configuration

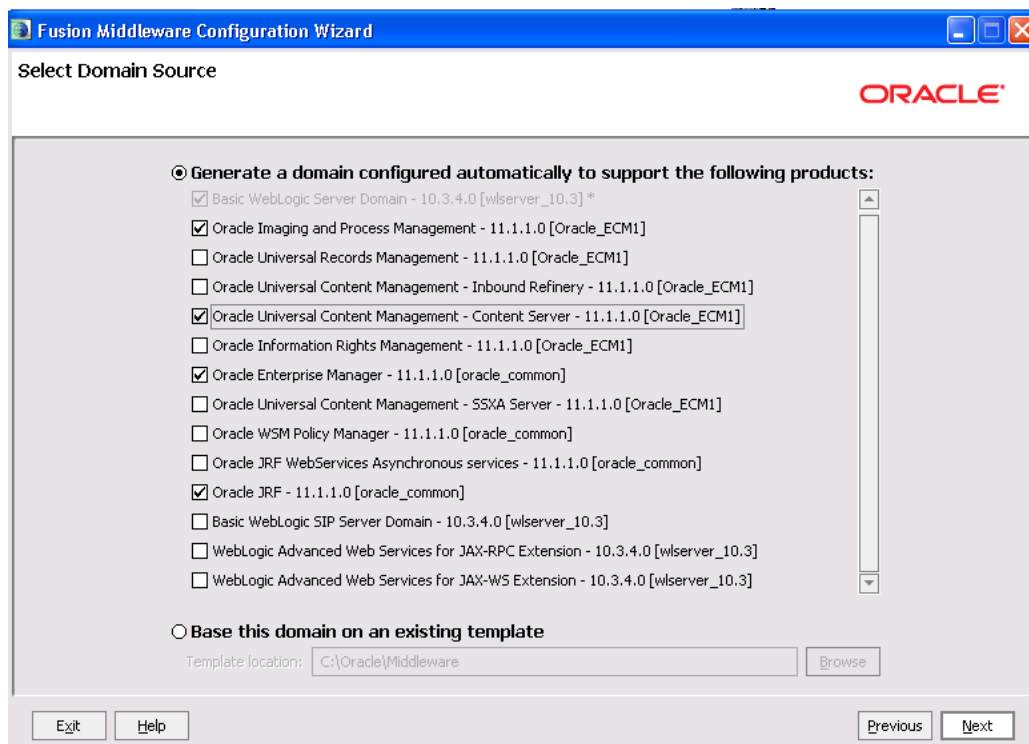
1. Run Configure Application



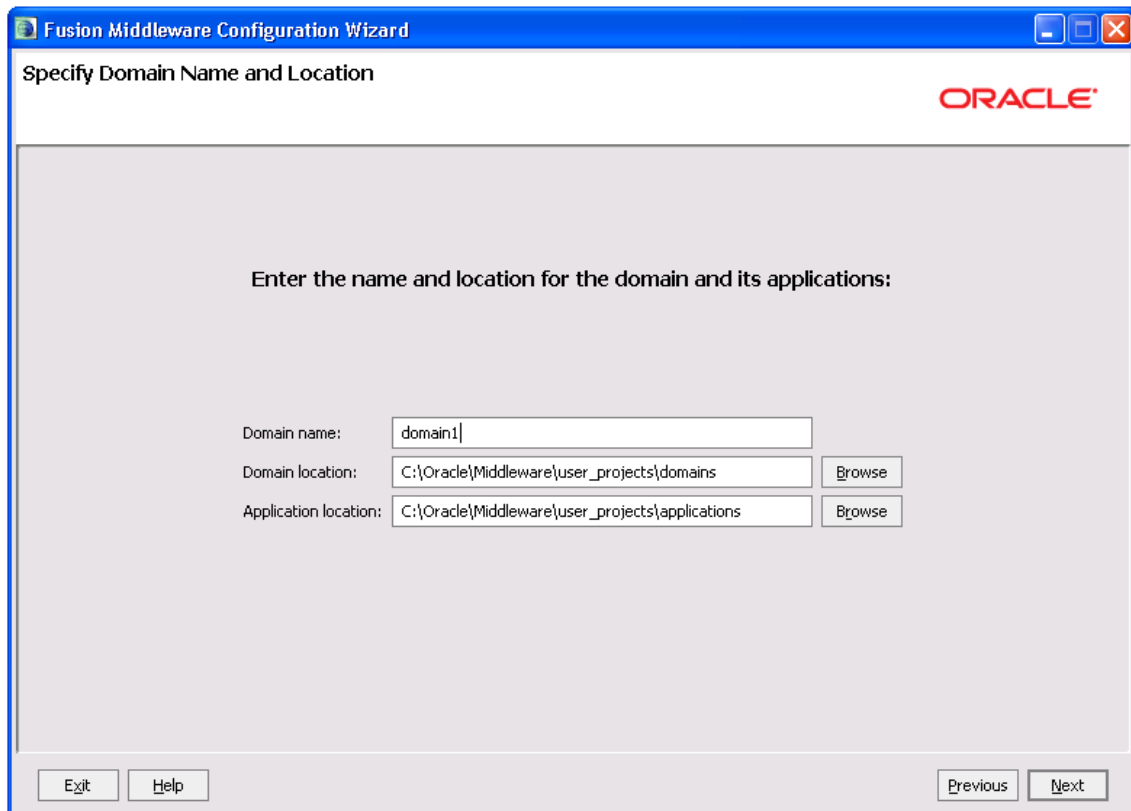
server.



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' window of the Fusion Middleware Configuration Wizard. The window has a blue title bar with the text 'Fusion Middleware Configuration Wizard' and standard window controls. The main area is light gray with the Oracle logo in the top right. The title 'Specify Domain Name and Location' is at the top. Below it, the instruction 'Enter the name and location for the domain and its applications:' is centered. 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

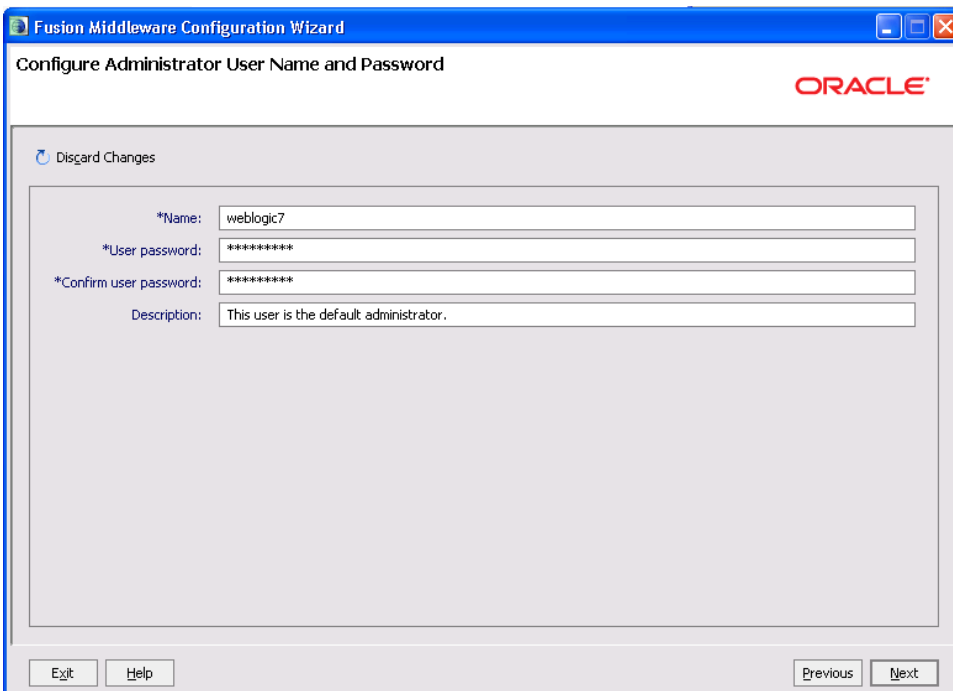
ORACLE

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 window controls. The main area is light gray with the Oracle logo in the top right. 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](#)

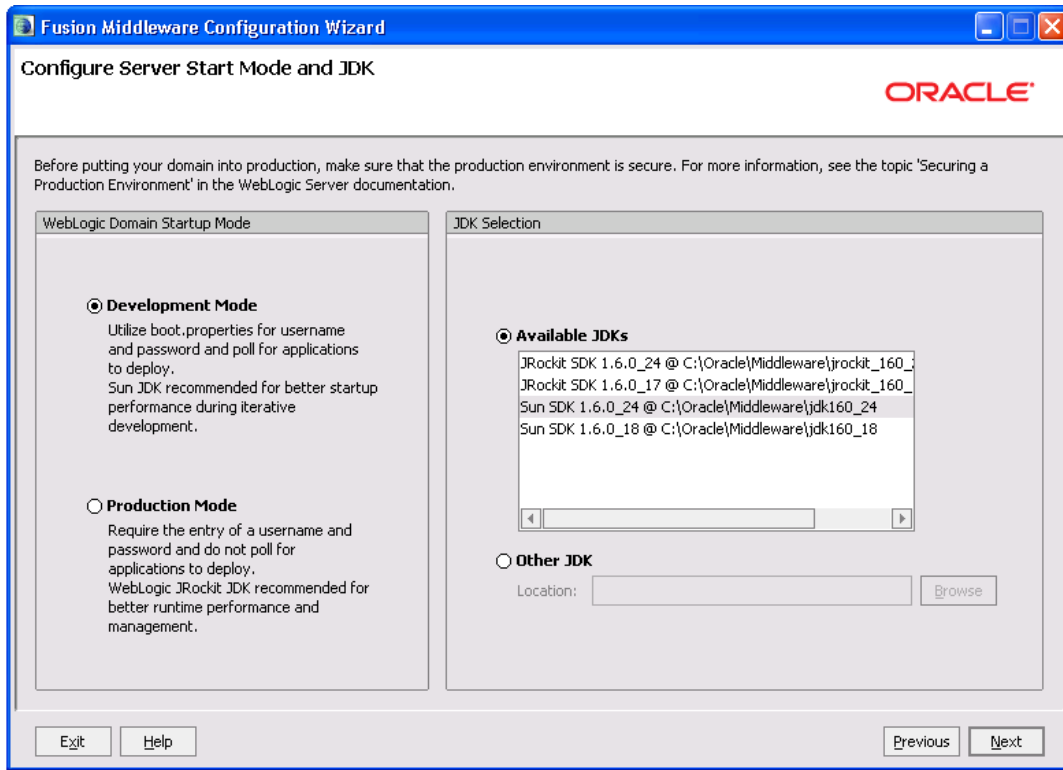
*Name:

*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

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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:

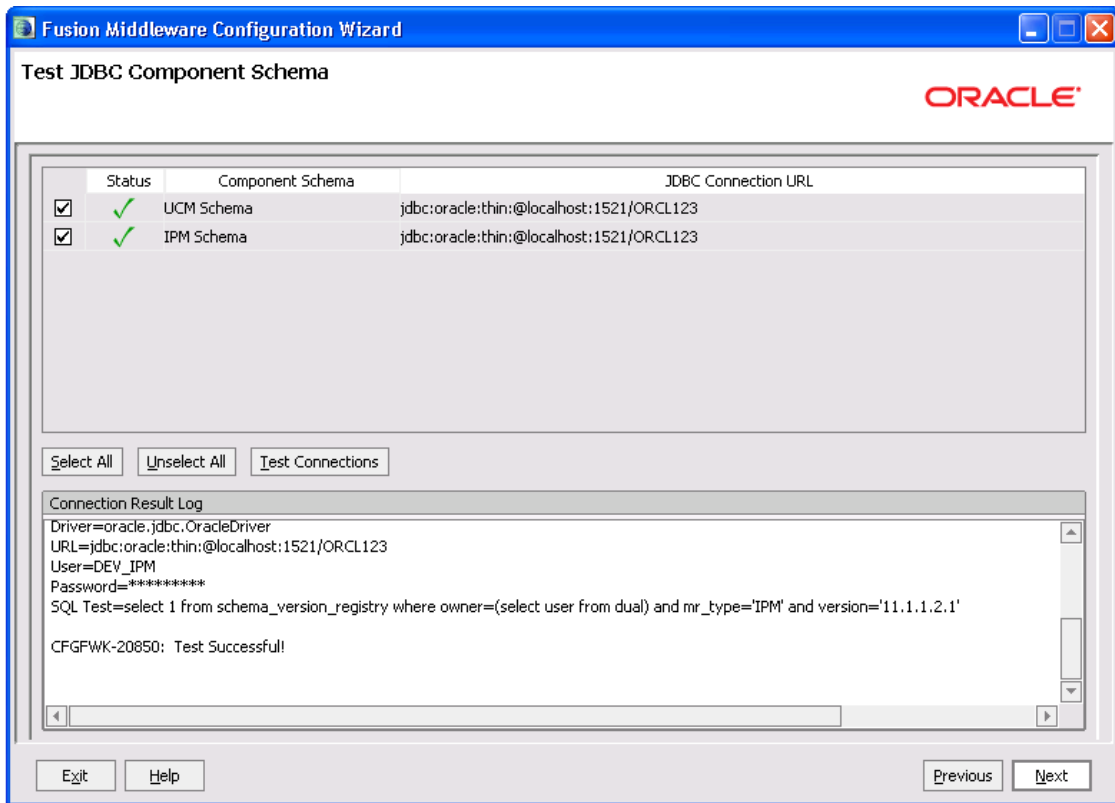
Schema Owner: Port:

Schema Password:

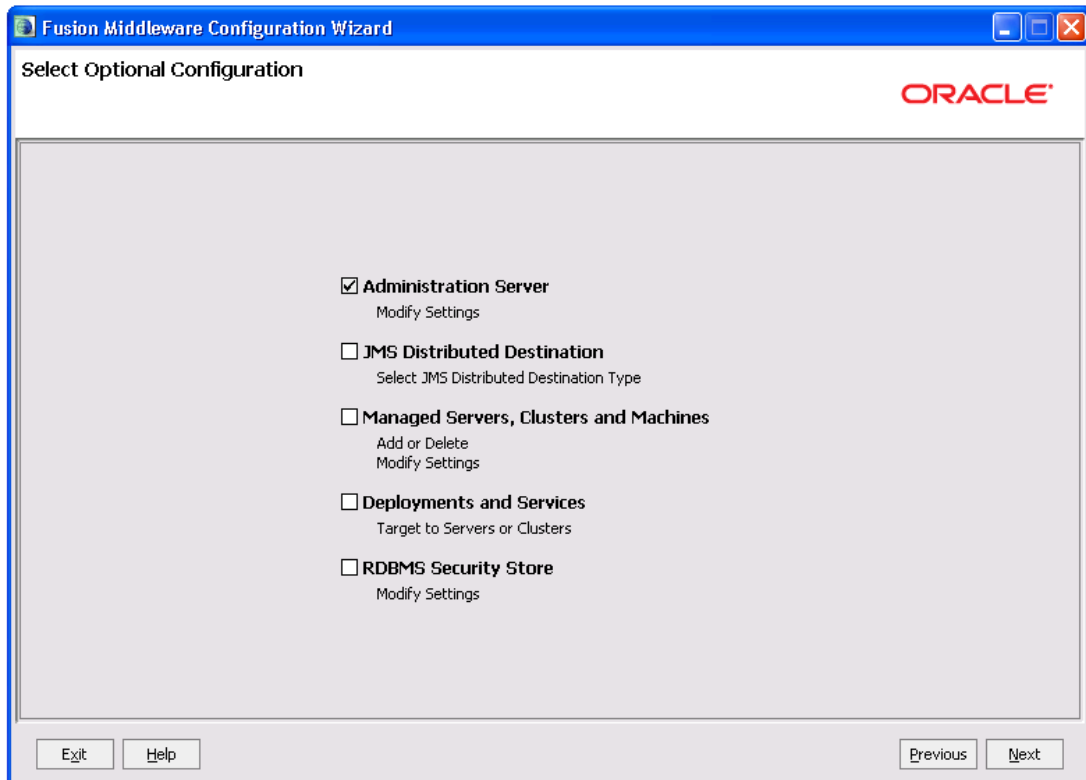
☐ Configure selected component schemas as RAC multi data source schemas in the next panel.

| | 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

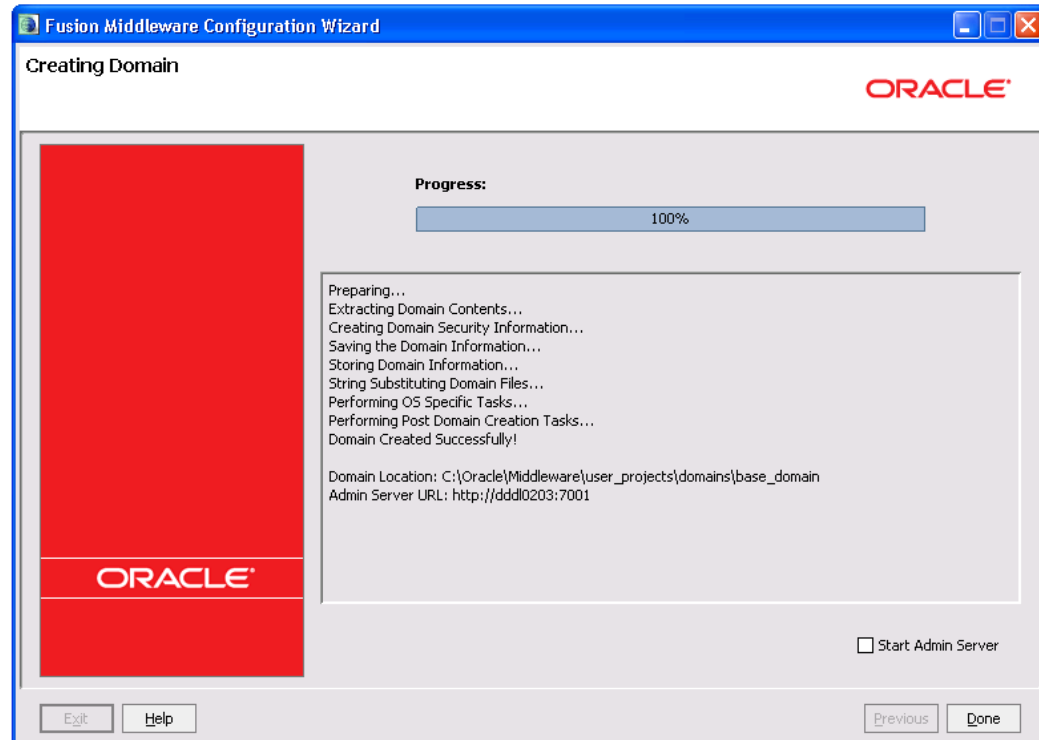
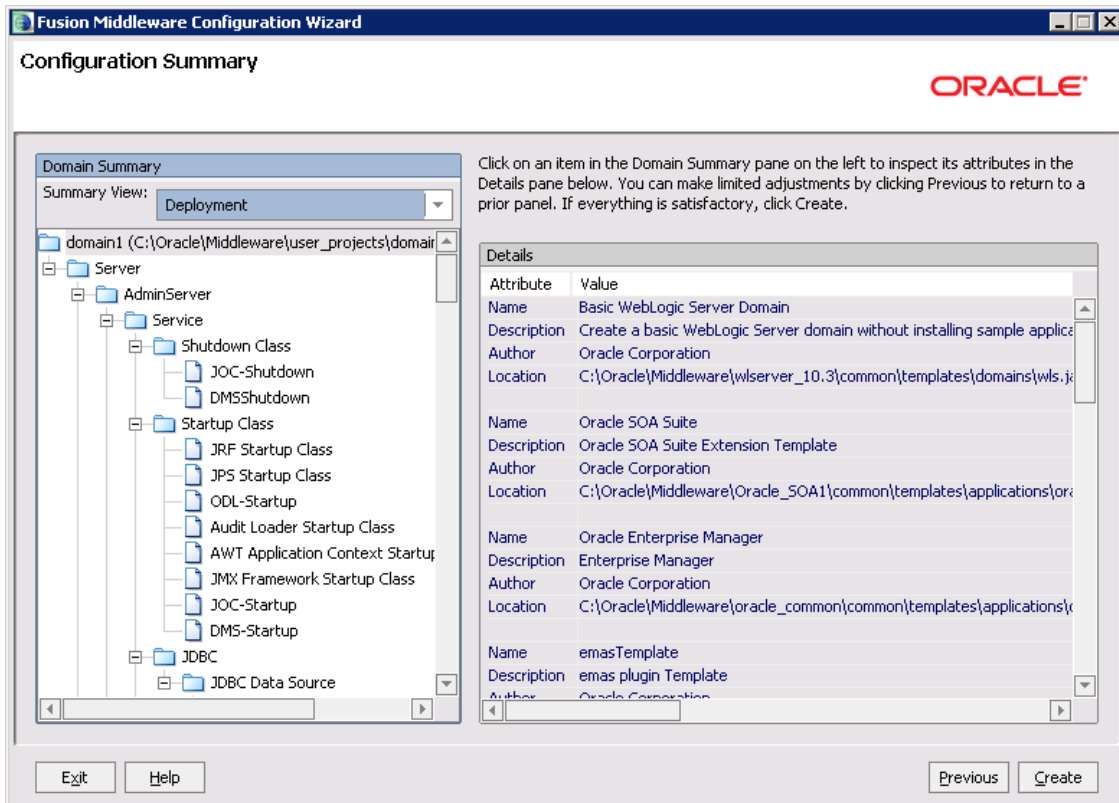
Listen port: 7001

SSL listen port: N/A

SSL enabled: ☐

Exit Help Previous Next

10. Configure the admin server.

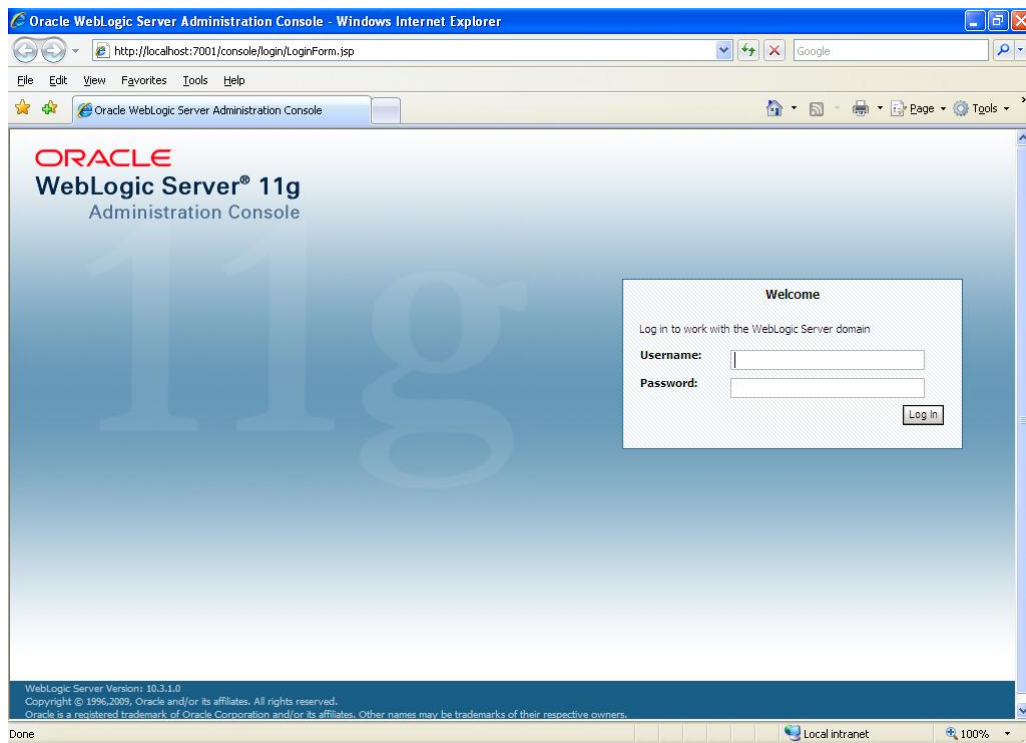


5. Checking the Deployment Summary

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>.

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>

Summary of Deployments - domain2 - WLS Console - Mozilla Firefox

http://localhost:7001/console/console.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage

ORACLE WebLogic Server® Administration Console

Welcome, weblogic1 Connected to: domain2

Home > Summary of Deployments > > Summary of Deployments > Summary of Servers > Summary of Deployments

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

To install a new application or module for deployment to targets in this domain, click the Install button.

Customize this table

Deployments

Install Update Delete Start Stop Showing 1 to 45 of 45 Previous Next

| 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 |
| email | Active | | Library | 100 |
| emas | Active | | Library | 100 |
| encore | Active | | Library | 100 |
| PPMW 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 |
| ghw-cf(5,5.0) | Active | | Library | 100 |
| ghw-uis(5,5.0) | Active | | Library | 100 |
| Oracle UCM Help | Active | OK | Web Application | 225 |

System Status

Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (3)

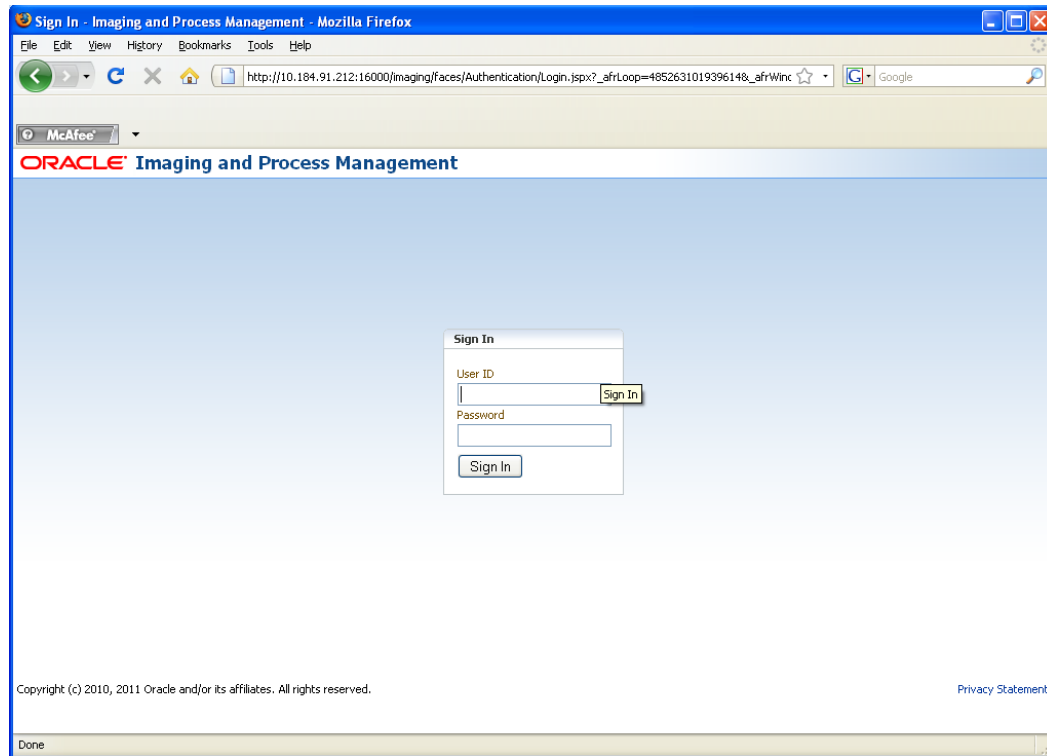
8. Imaging application should be up and running.

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

The screenshot shows a web browser window titled "Oracle Imaging and Process Management - Windows Internet Explorer provided by Softpedia". The address bar displays 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 toolbar shows various icons for navigation and actions. The main content area displays the "Oracle Imaging and Process Management" application interface. The left sidebar contains a tree view with items like "FLEXCUBE" and "UCMConn". The main panel shows the "Create Connection: Basic Information" form, which is part of a wizard with tabs for "Basic Information", "Content Server Settings", "Security", and "Review Settings". The form includes fields for "Name" (containing "Conn"), "Description" (containing "Conn"), and "Connection Type" (set to "Content Server Repository"). Navigation buttons "Cancel", "Back", "Next", and "Submit" are located at the top right of the form. The footer of the application window displays the copyright notice "Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved." and a "Privacy Statement" link.

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

Favorites Suggested Sites Anunturi imobiliare Anunturi noi Cele mai noi oferte auto, ... Recent news articles

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

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

Basic Information Content Server Settings Security Review Settings

Create Connection: Basic Information

Provide the basic information about the Connection.

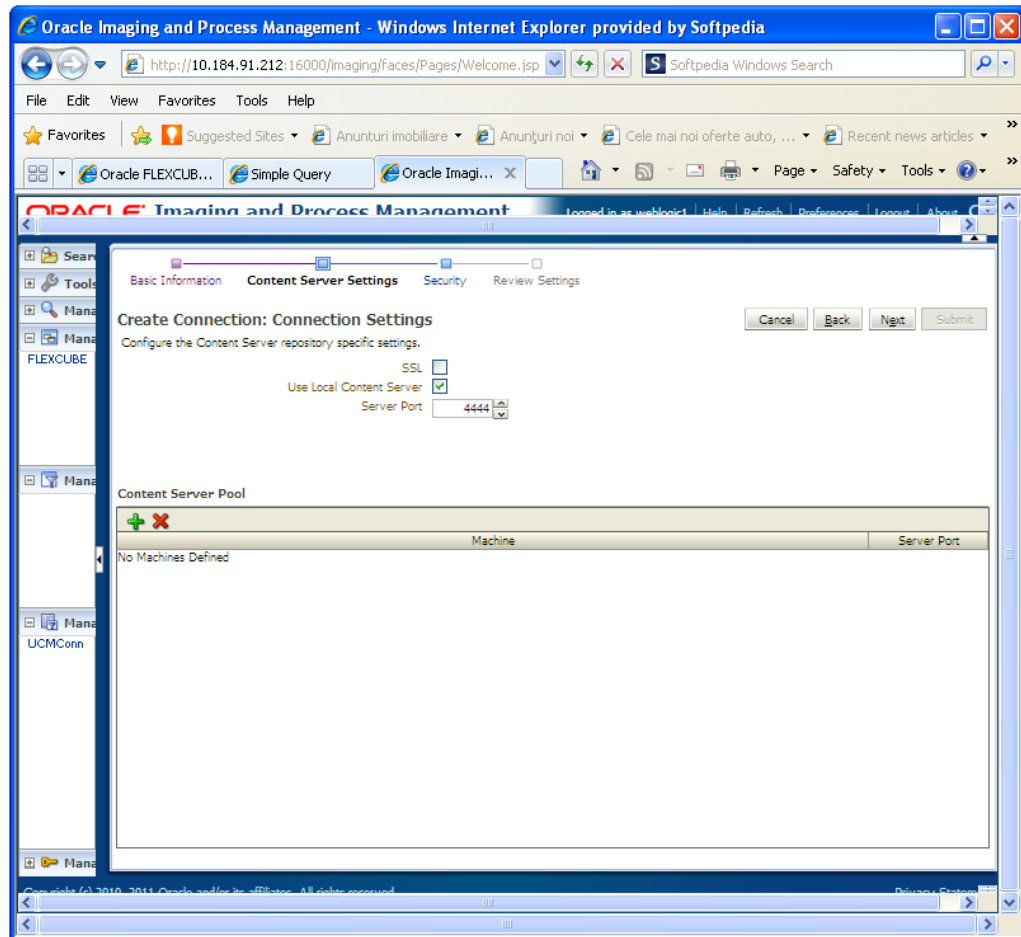
* Name Conn

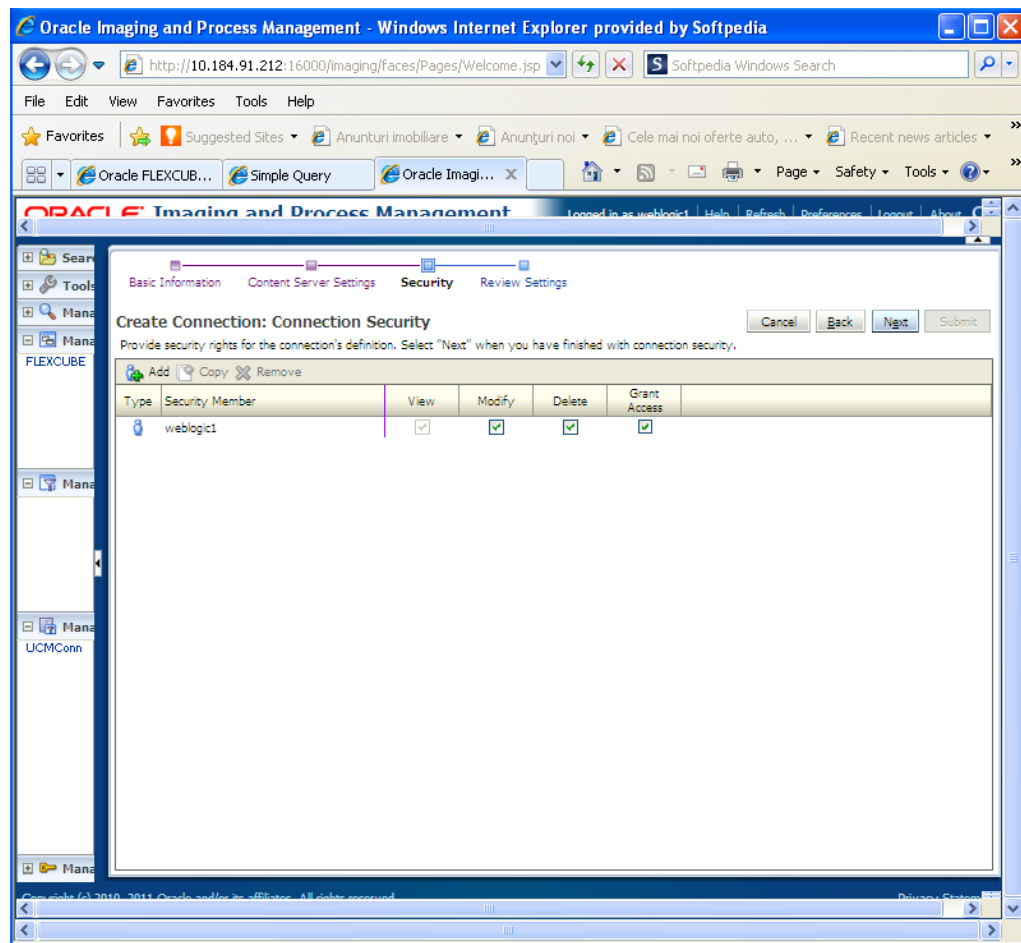
Description Conn

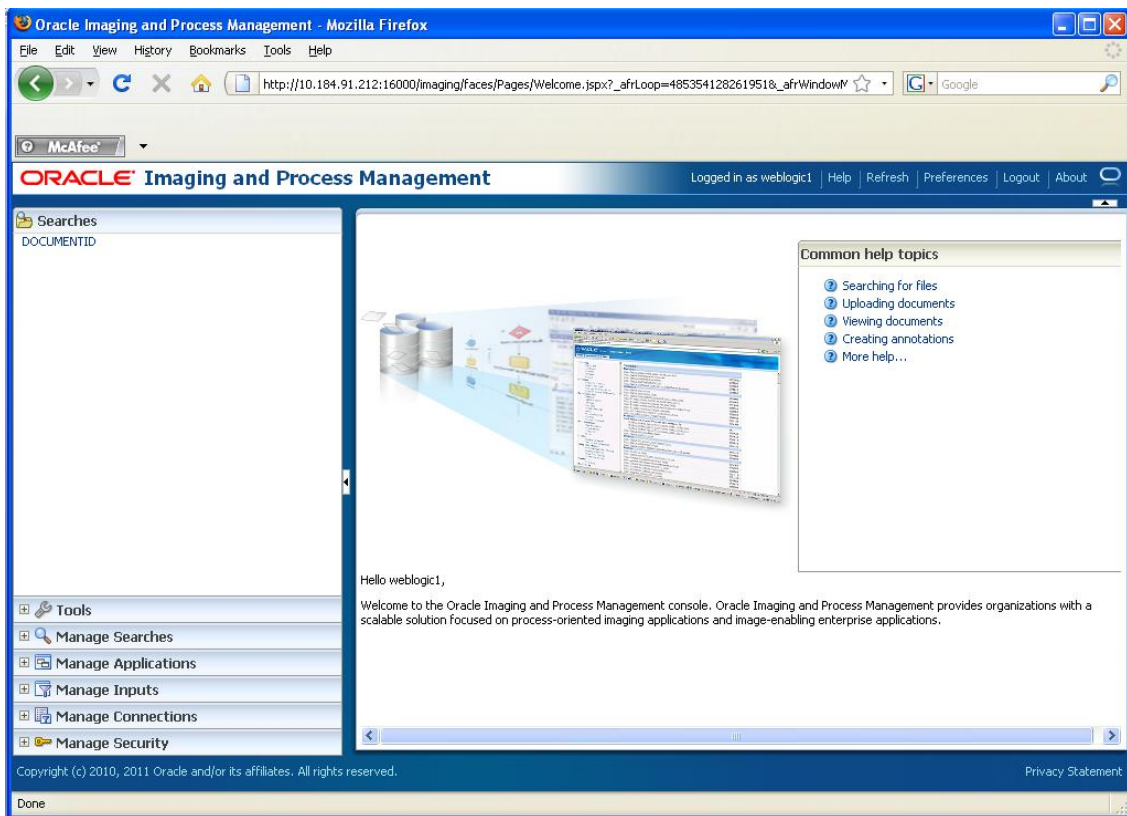
Connection Type Content Server Repository

Cancel Back Next Submit

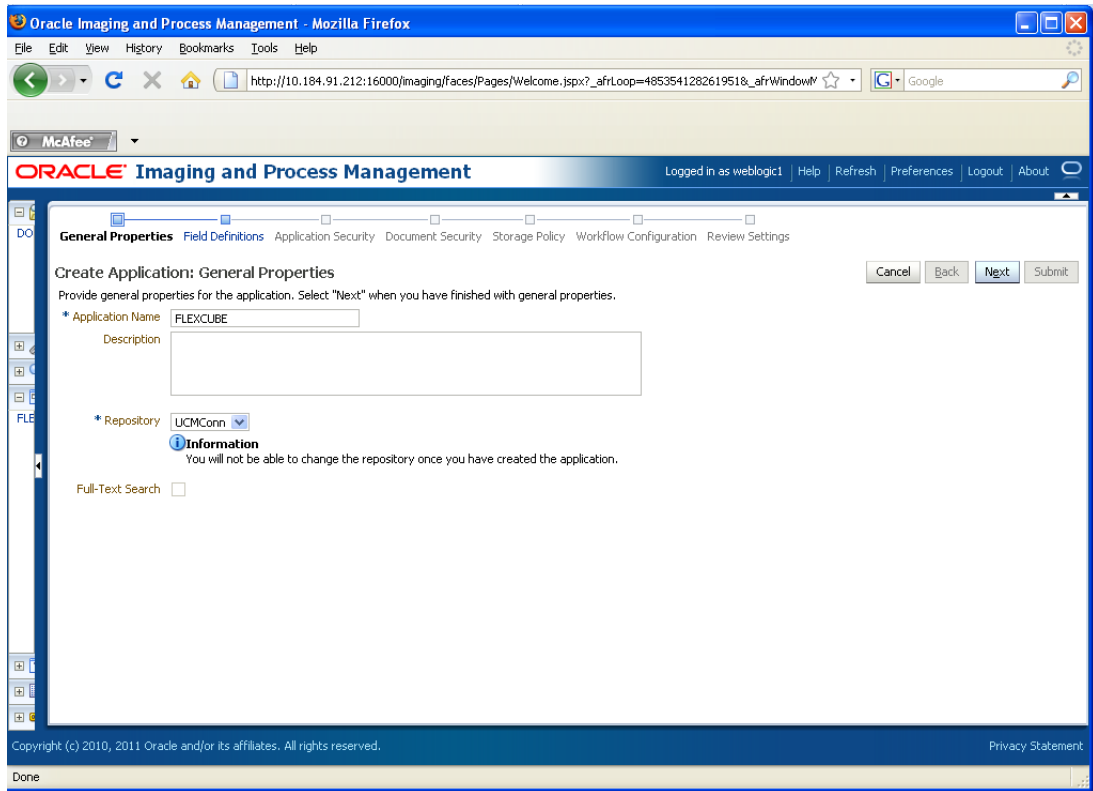
Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved. Privacy Statement



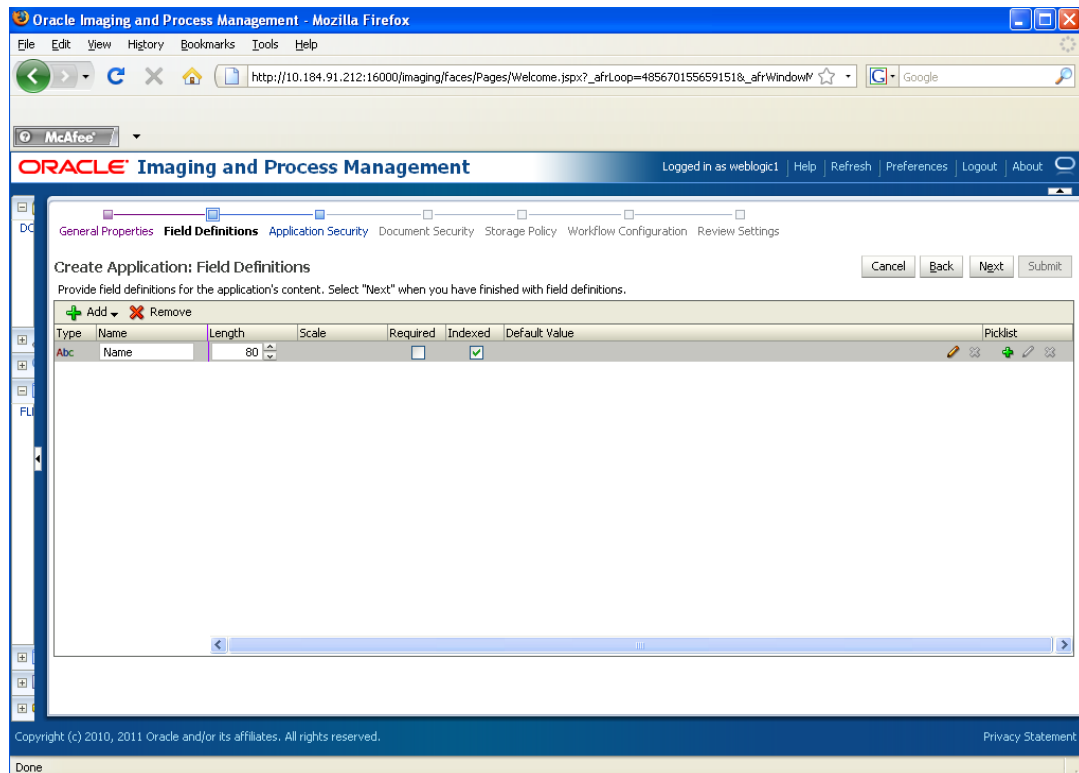


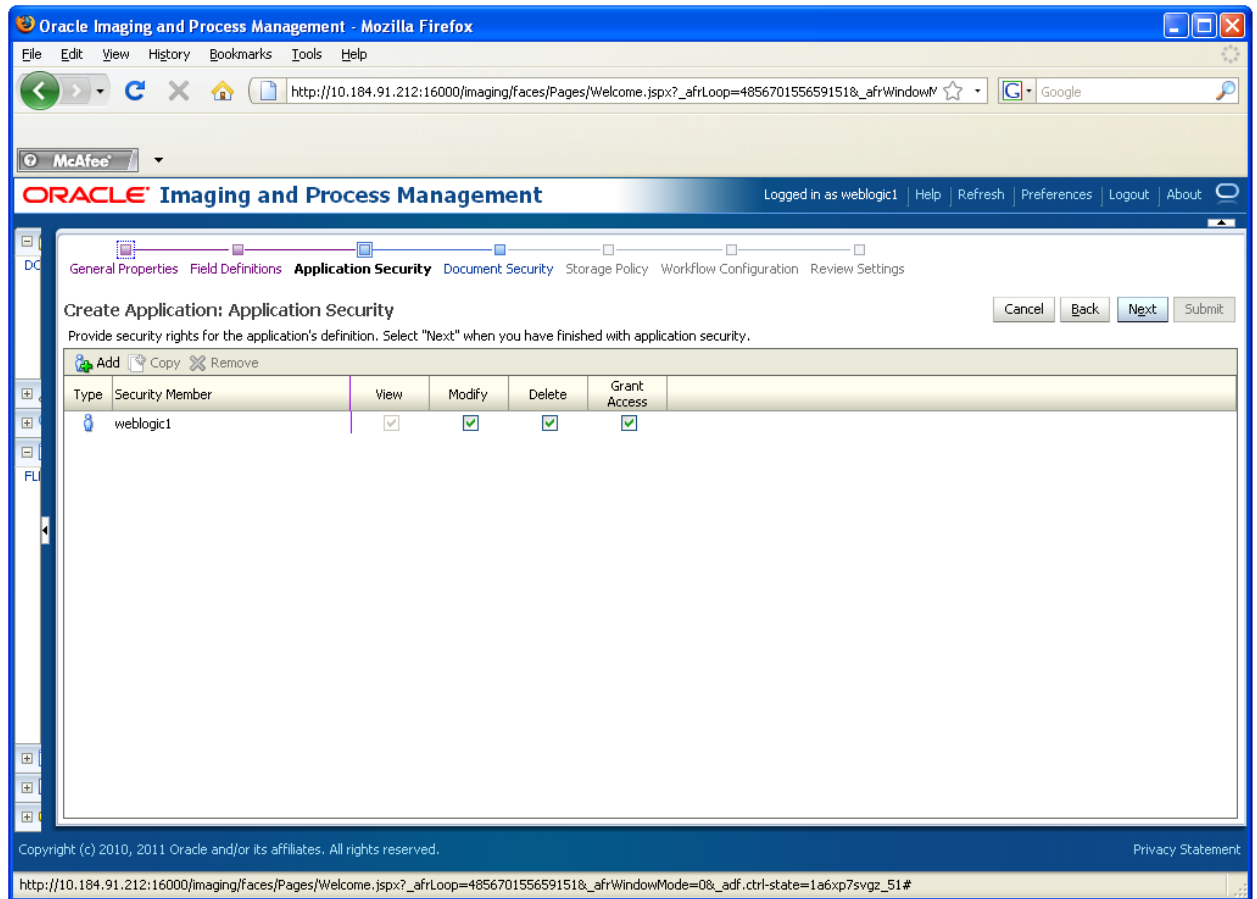


7. Click on Manage Applications
8. Click on add application

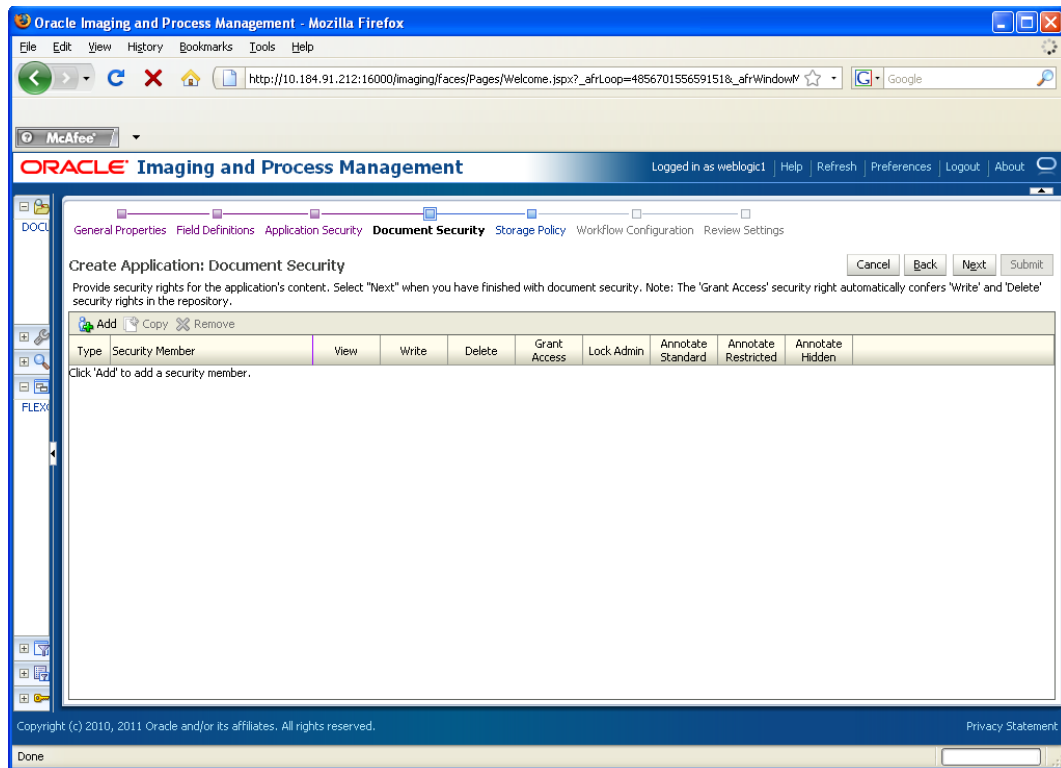


9. Click on next and add a field Name as Name

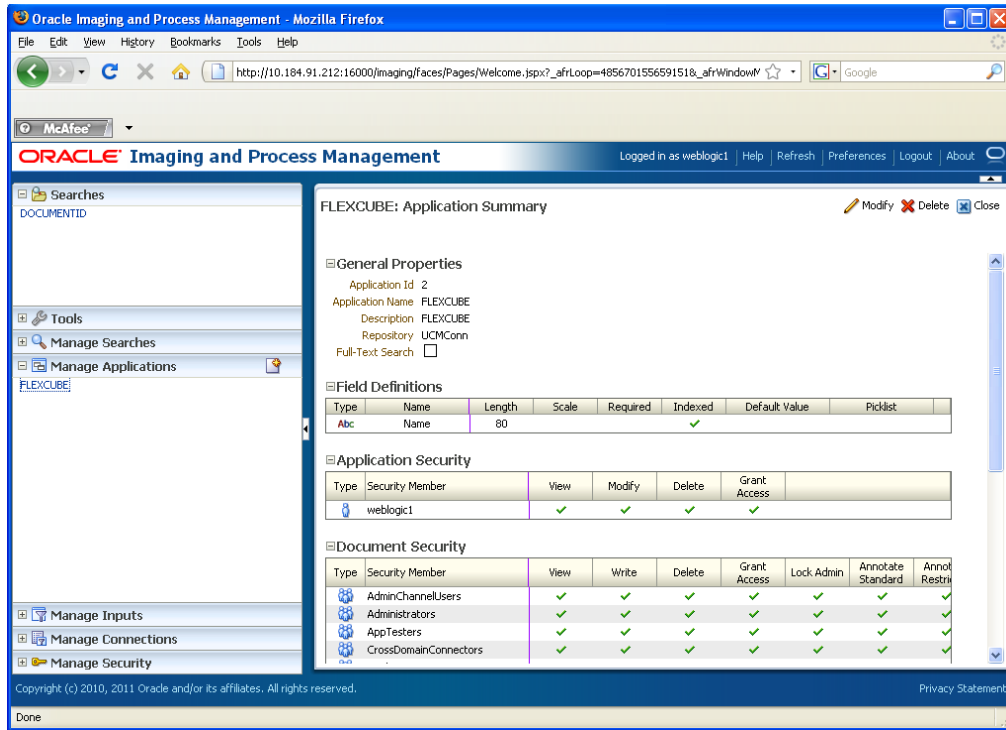




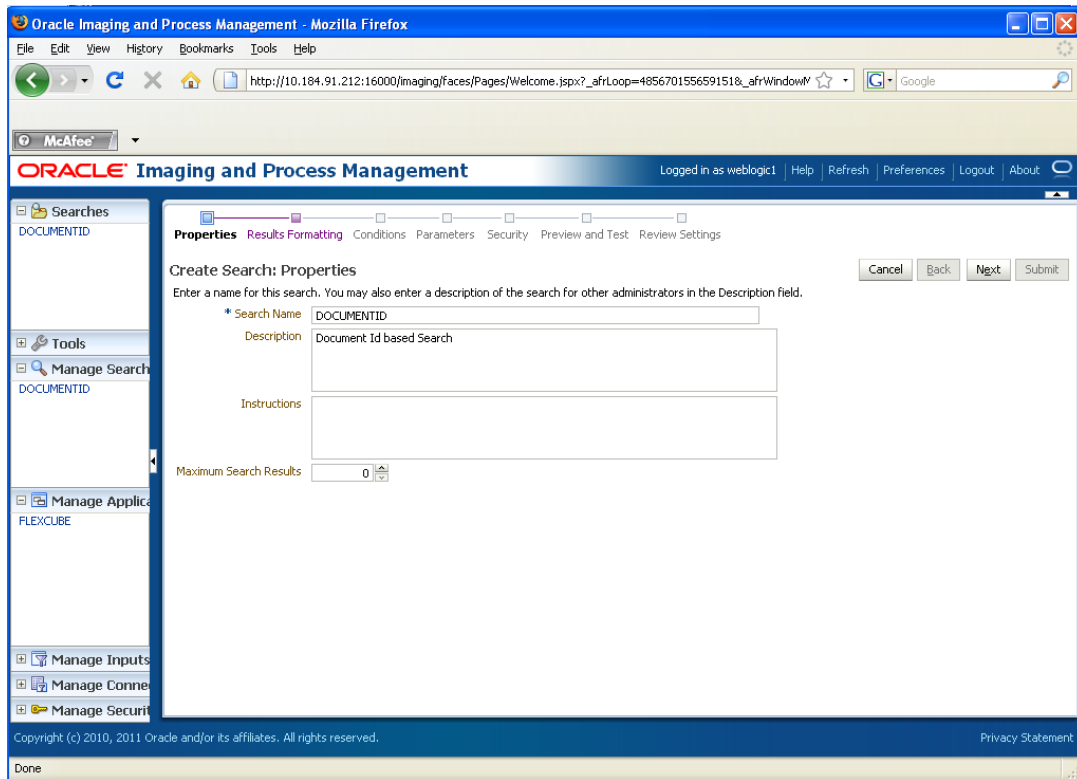
10. Click on next



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&_afWindowW

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:

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

McAfee

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

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 Date | Document Created By | Document Batch Id |

Conditions

Application: FLEXCUBE

| (| Field | Operator | Value |) | Conjunction |
|---|---------------------|----------|---------------------------------|---|-------------|
| | Document Created By | Equals | Parameter - Document Created By | | |

Parameters

| Parameter Name | Prompt Text | Operator Text | Default Value | Picklist | Required | Read Only |
|---------------------|---------------------|---------------|---------------|----------|----------|-----------|
| Document Created By | Document Created By | Equals | | | | |

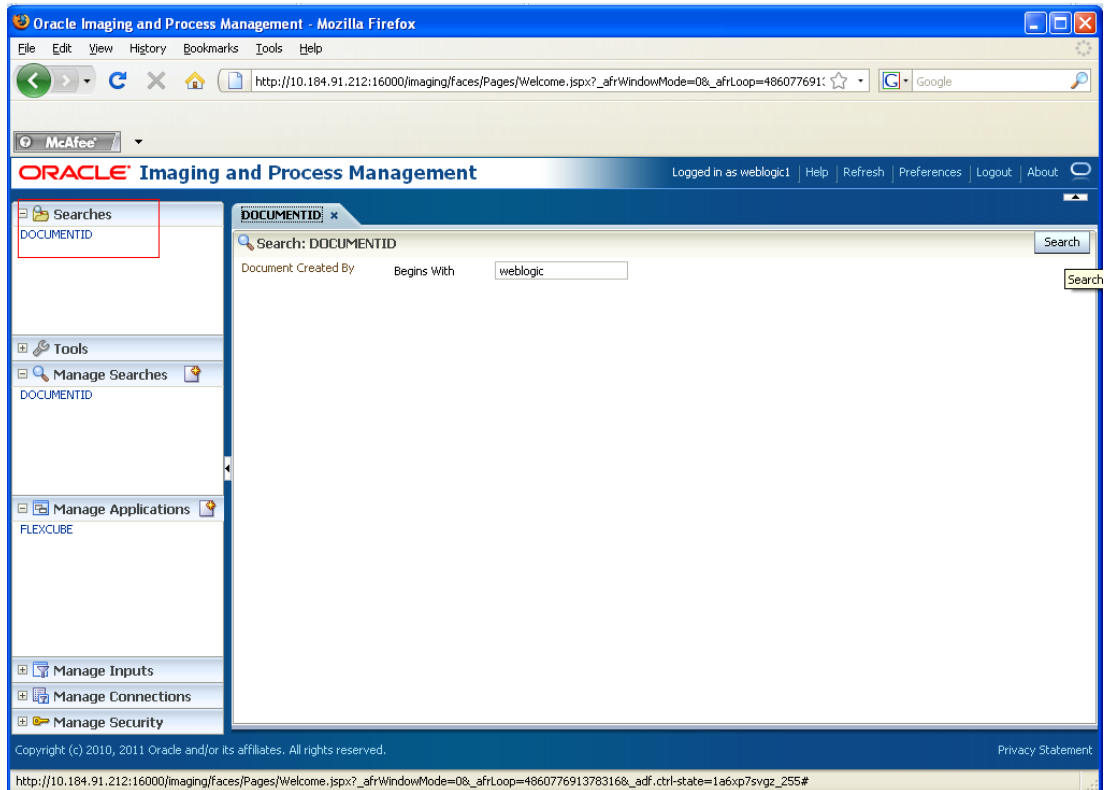
Security

| Type | Security Member | View | Modify | 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.

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=08_afLoop=486077691

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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
[October] [2015]
Version 12.1.0.0.0

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