

UCM Server Setup
Oracle Banking Corporate Lending
Release 14.6.2.0.0
[Nov] [2022]



Table of Contents

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

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

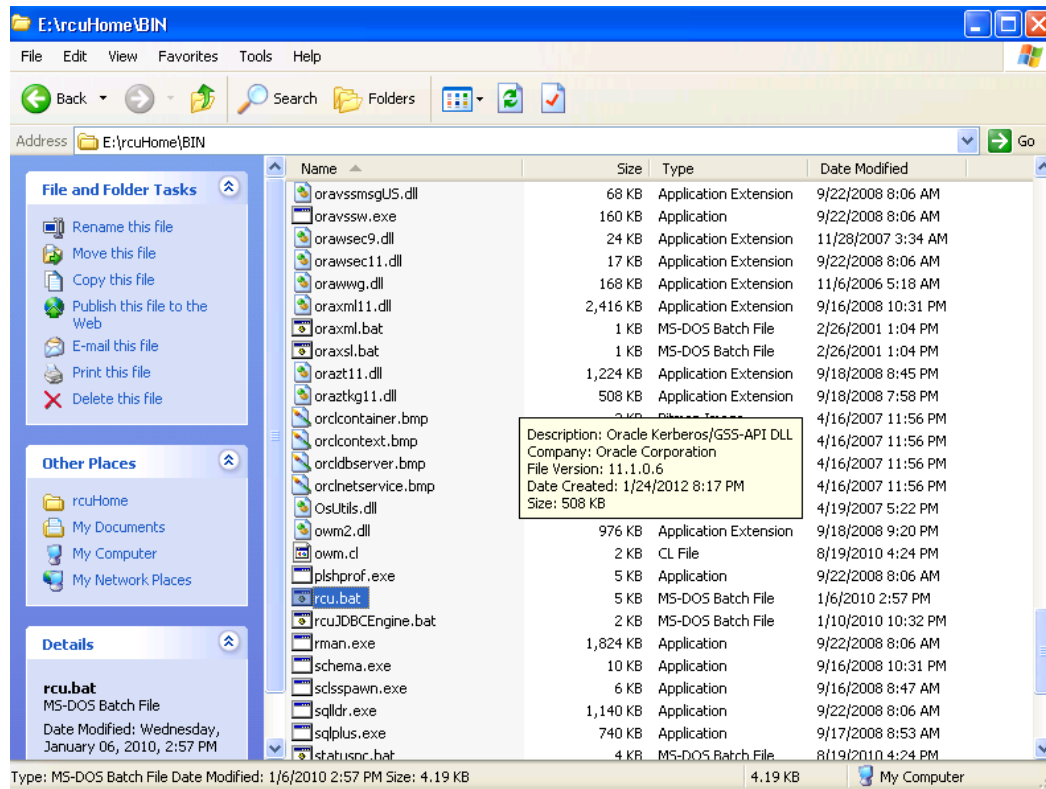
<http://www.oracle.com/technetwork/middleware/soasuite/downloads/index.html>

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

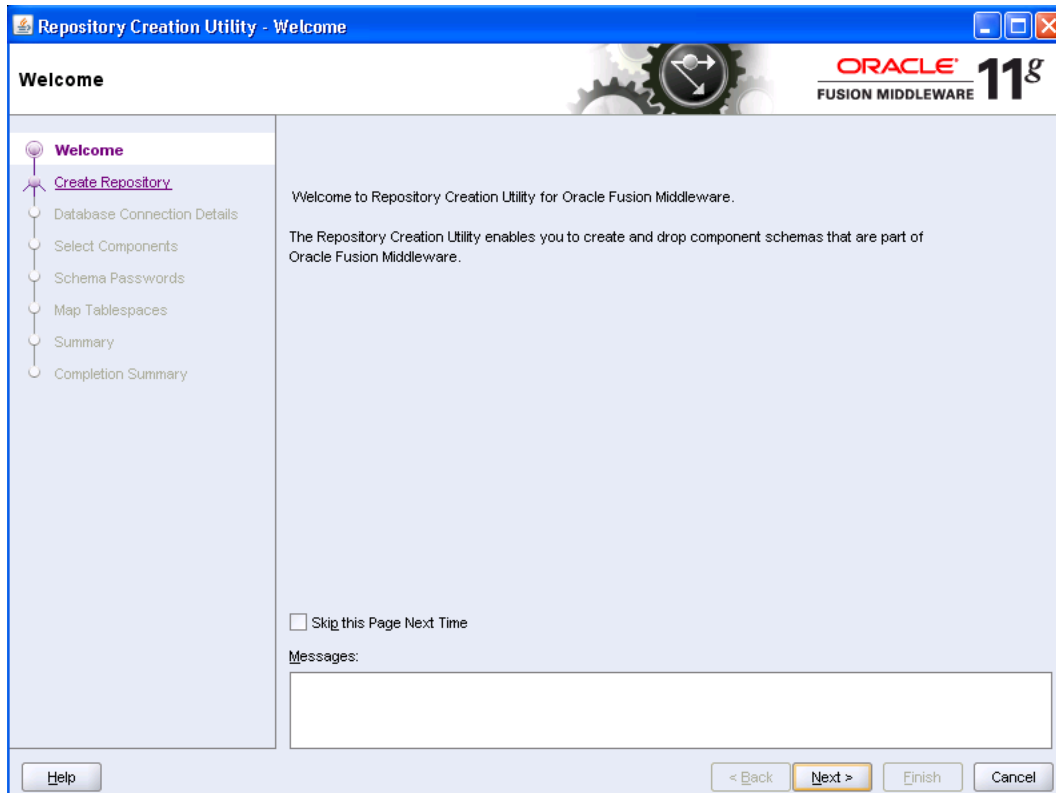
<rcu_home>\BIN

Note: rcu_home is the directory in which RCU is installed.

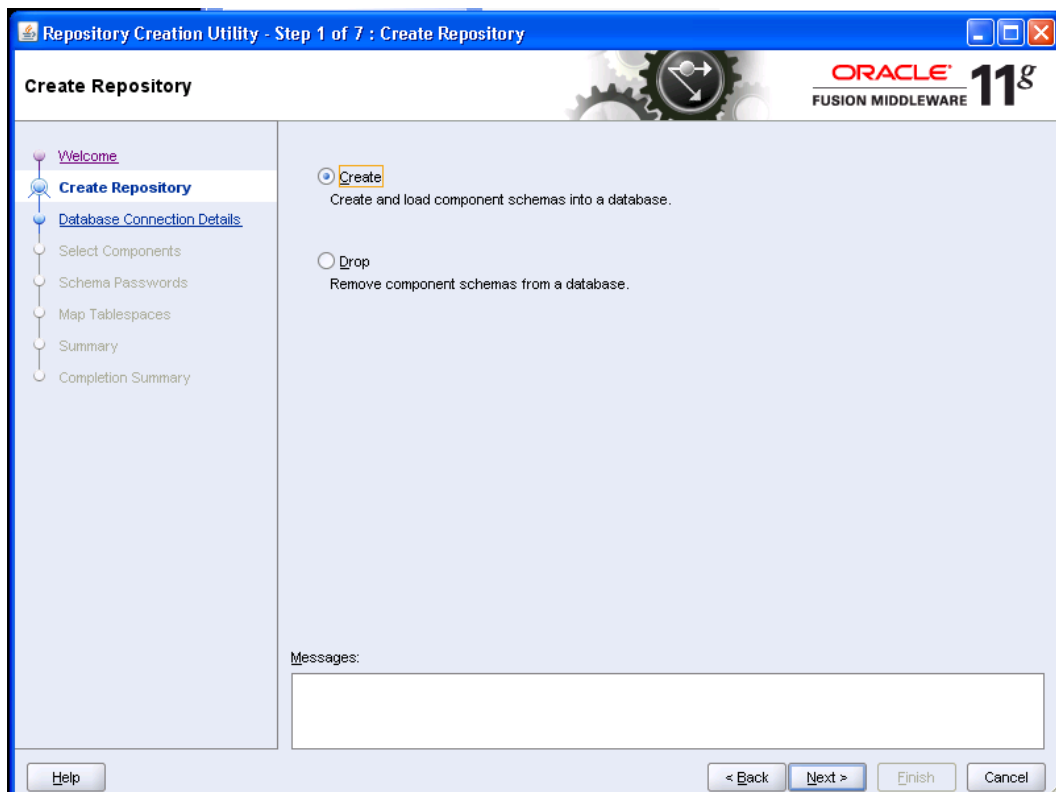
4. Click on rcu.bat file to create the repository.



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:

Host Name:
For RAC database, specify VIP name or one of the Node name as Host name.

Port:

Service Name:

Username:
User with DBA or SYSDBA privileges. Example: sys

Password:

Role:
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.

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

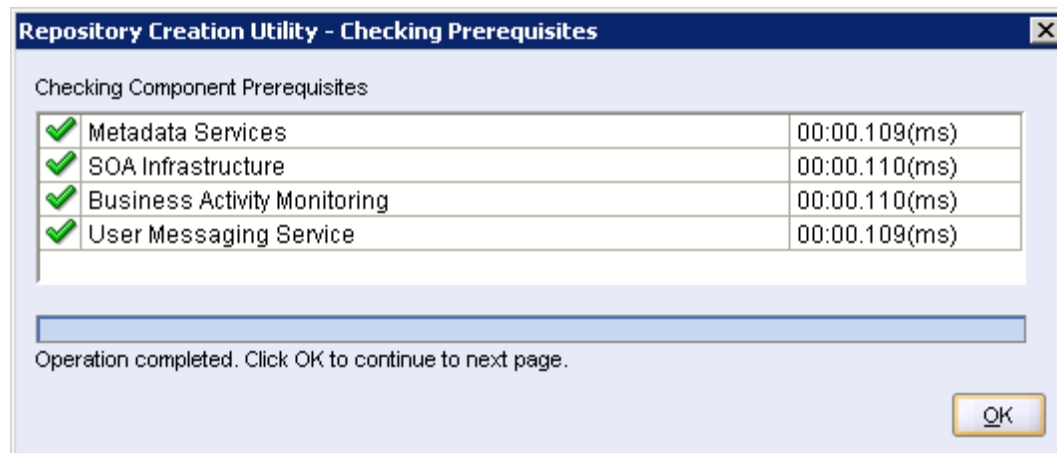
Prefix can contain only alpha-numeric characters. Prefix should not start with a number and should not contain any special characters.

Component	Schema Owner
☐ Oracle AS Repository Components	
☒ AS Common Schemas	
☒ Metadata Services	DEV_MDS
☐ Audit Services	IAU
☐ Enterprise Scheduler Service	ORAESS
☐ Identity Management	
☐ WebLogic Communication Services	
☒ SOA and BPM Infrastructure	
☒ SOA Infrastructure	DEV_SOAINFRA
☒ Business Activity Monitoring	DEV_ORABAM
☒ User Messaging Service	DEV_ORASDPM
☐ Webcenter Suite	
☐ Portal and BI	

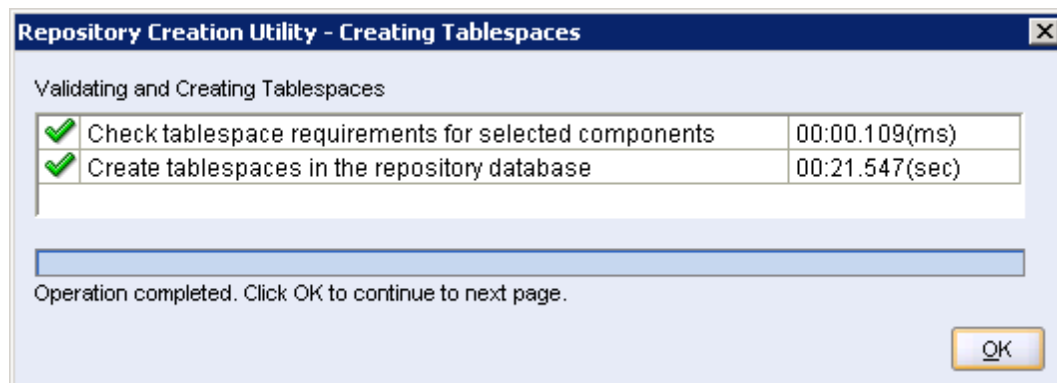
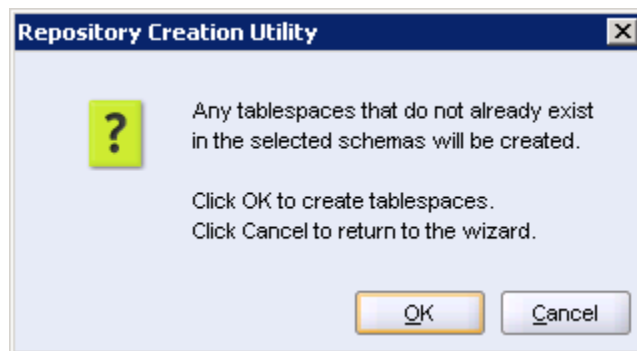
Messages:

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:

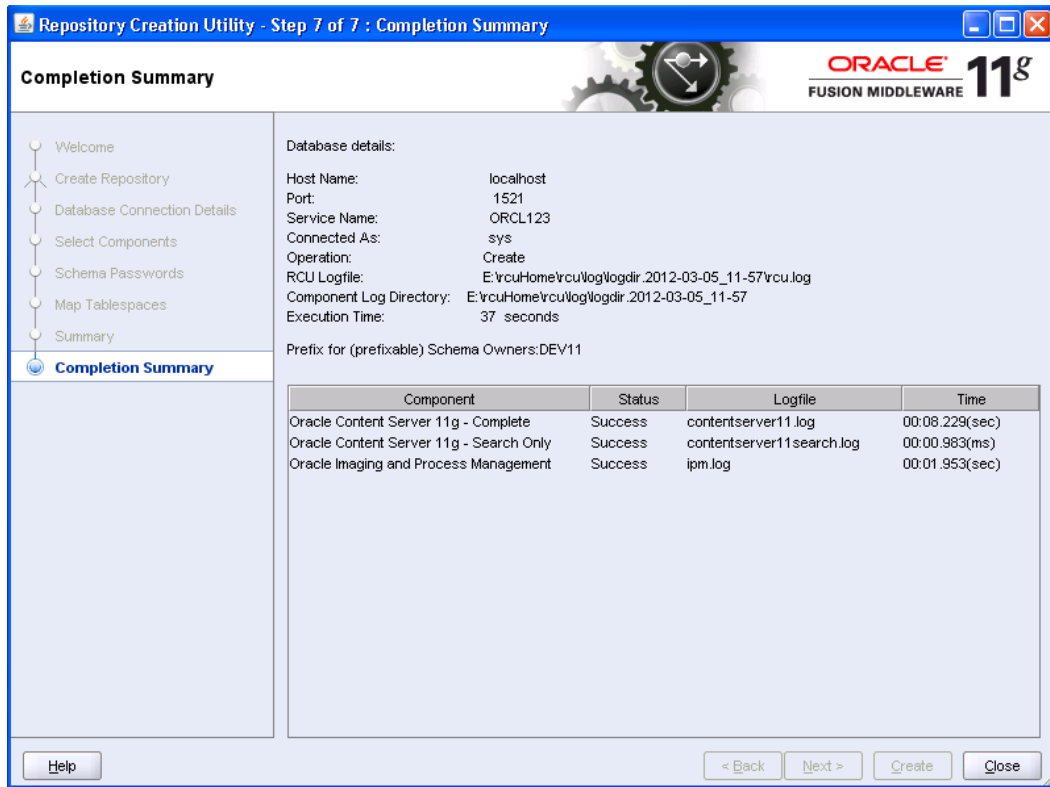
Host Name: ddhp0240.i-flex.com
 Port: 1521
 Service Name: ORCL.I-FLEX.COM
 Connected As: SYS
 Operation: Create

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>

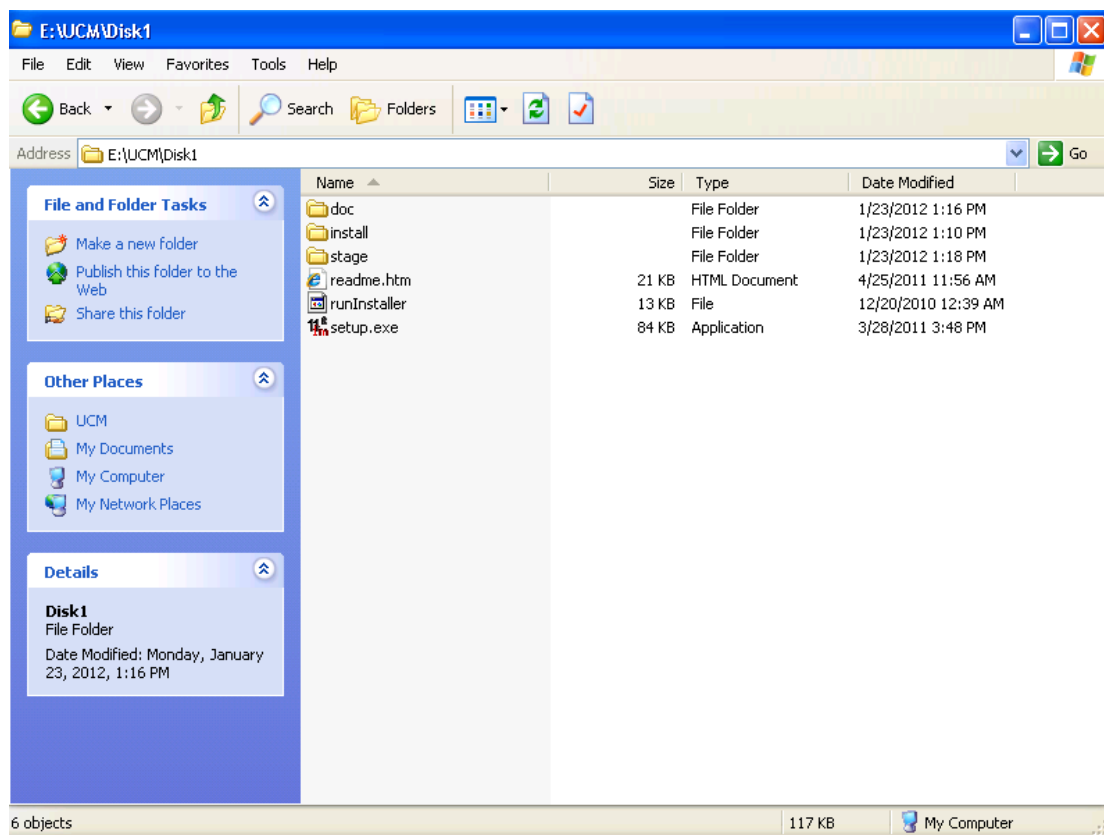
2. At the right top corner there is a search box, search for string <11.1.1.5>
3. Search for <Enterprise Content> in the result page and found a zip which is downloadable.
4. Download Enterprise Content Management.

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

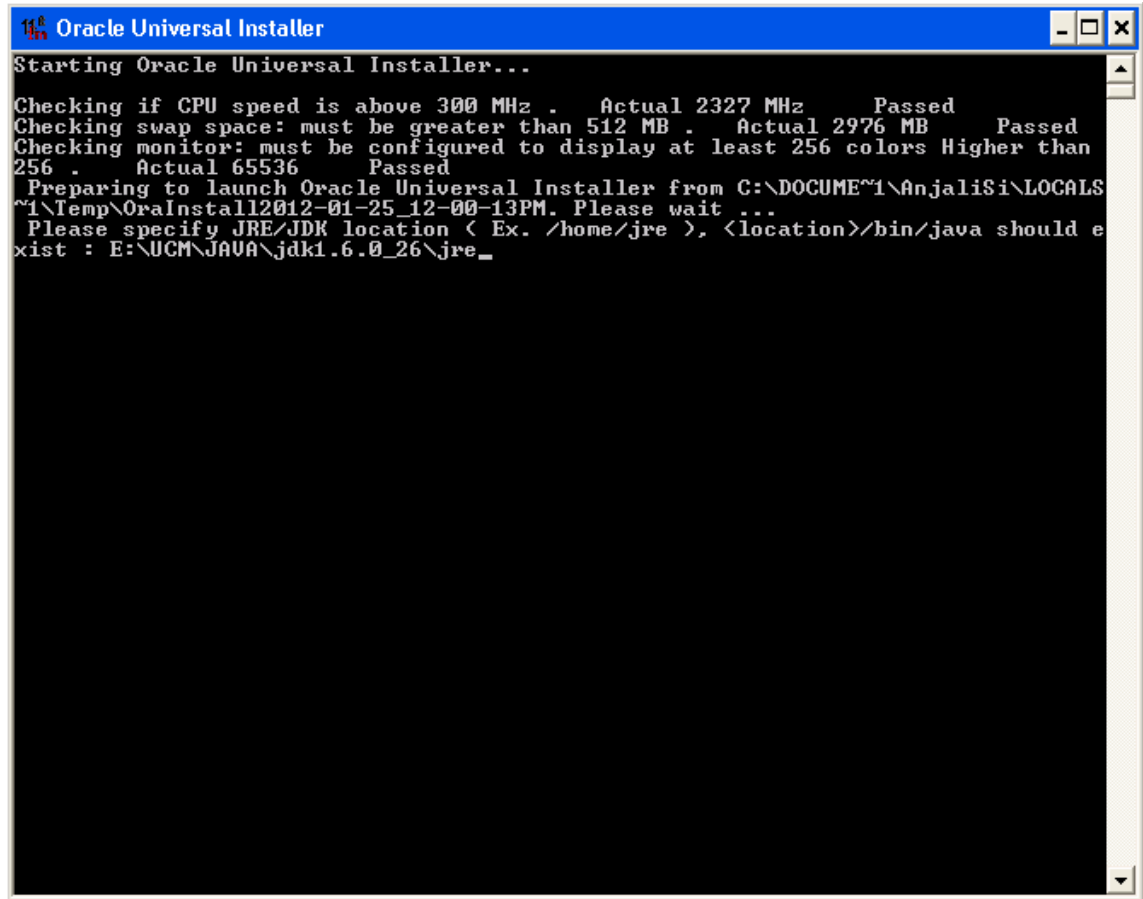
[Oracle Enterprise Content Management 11g \(11.1.1.5.0\) \(zip file 2 of 2\)](#)

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

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

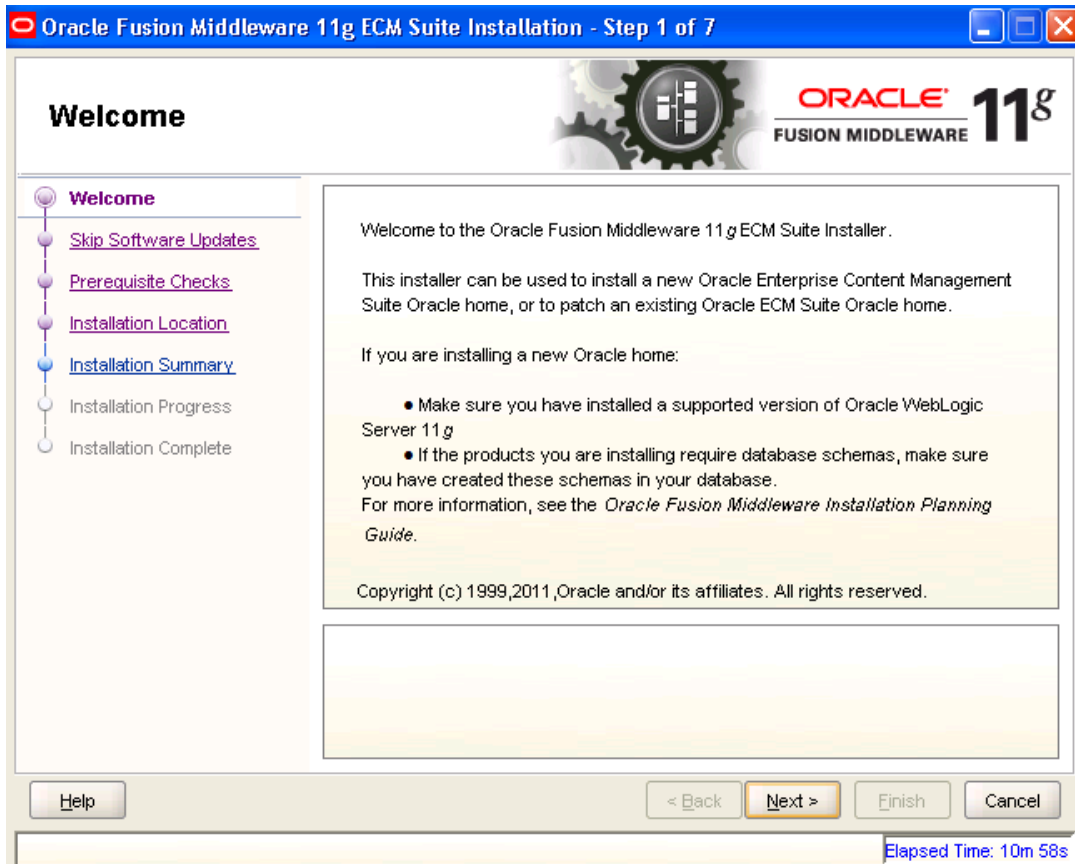


6. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.6.0.26\jre.

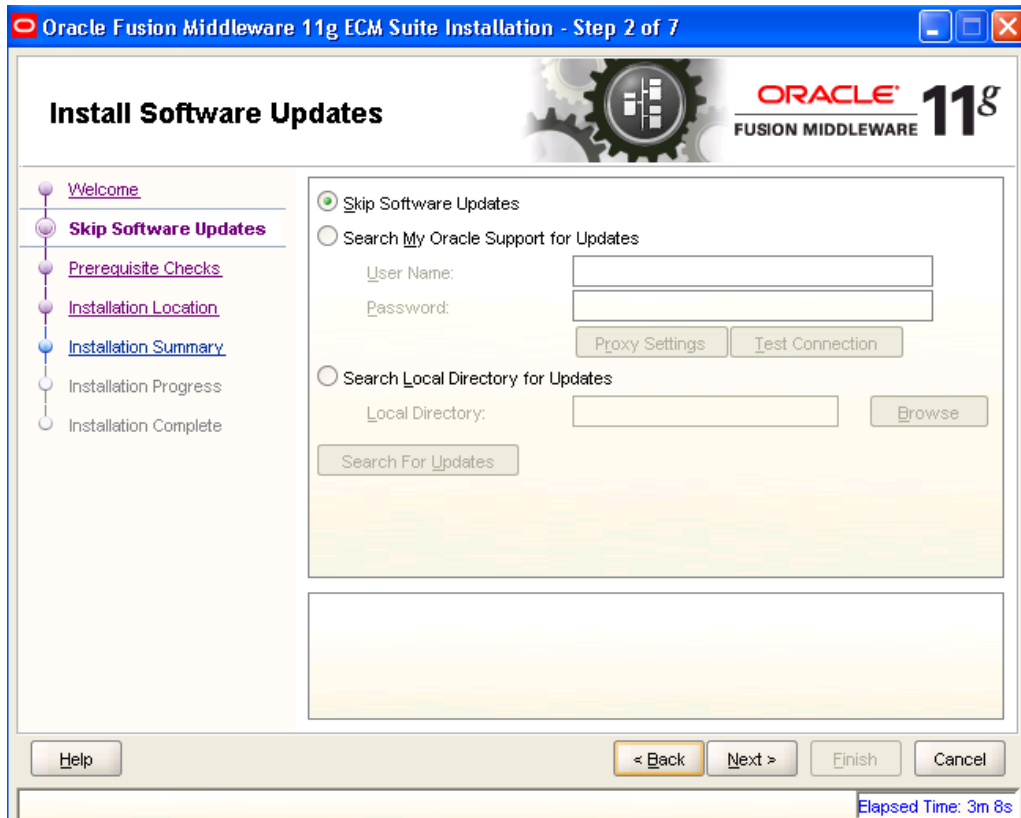


```
Oracle Universal Installer
Starting Oracle Universal Installer...

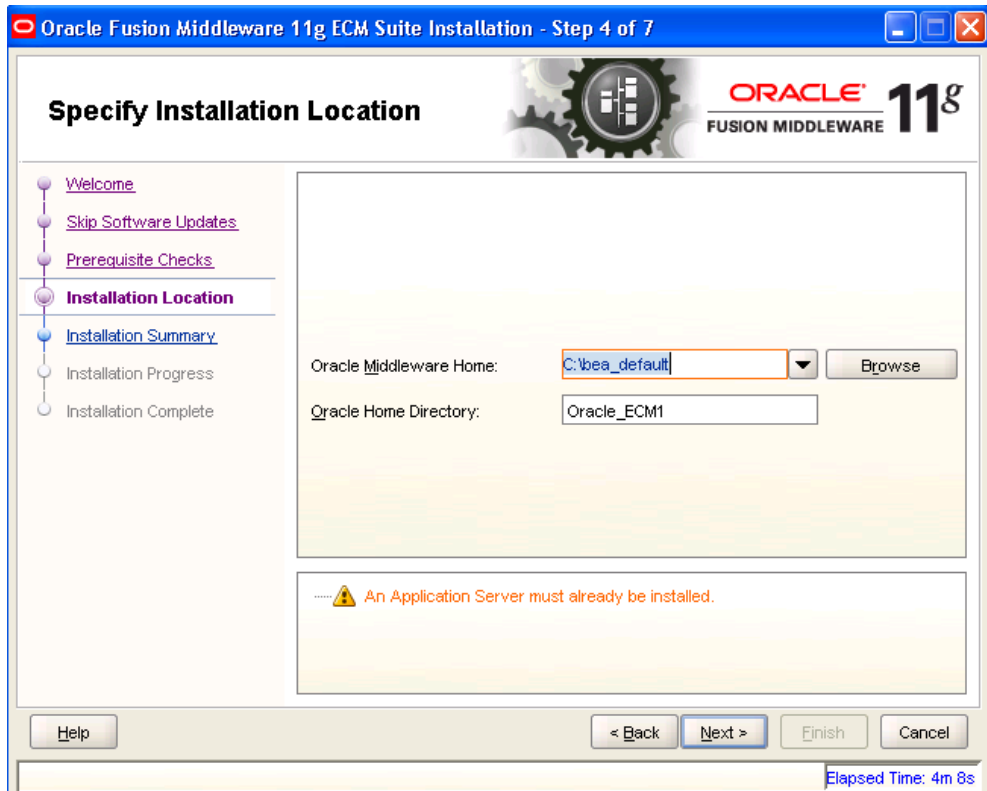
Checking if CPU speed is above 300 MHz .   Actual 2327 MHz       Passed
Checking swap space: must be greater than 512 MB .   Actual 2976 MB       Passed
Checking monitor: must be configured to display at least 256 colors Higher than
256 .   Actual 65536       Passed
Preparing to launch Oracle Universal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



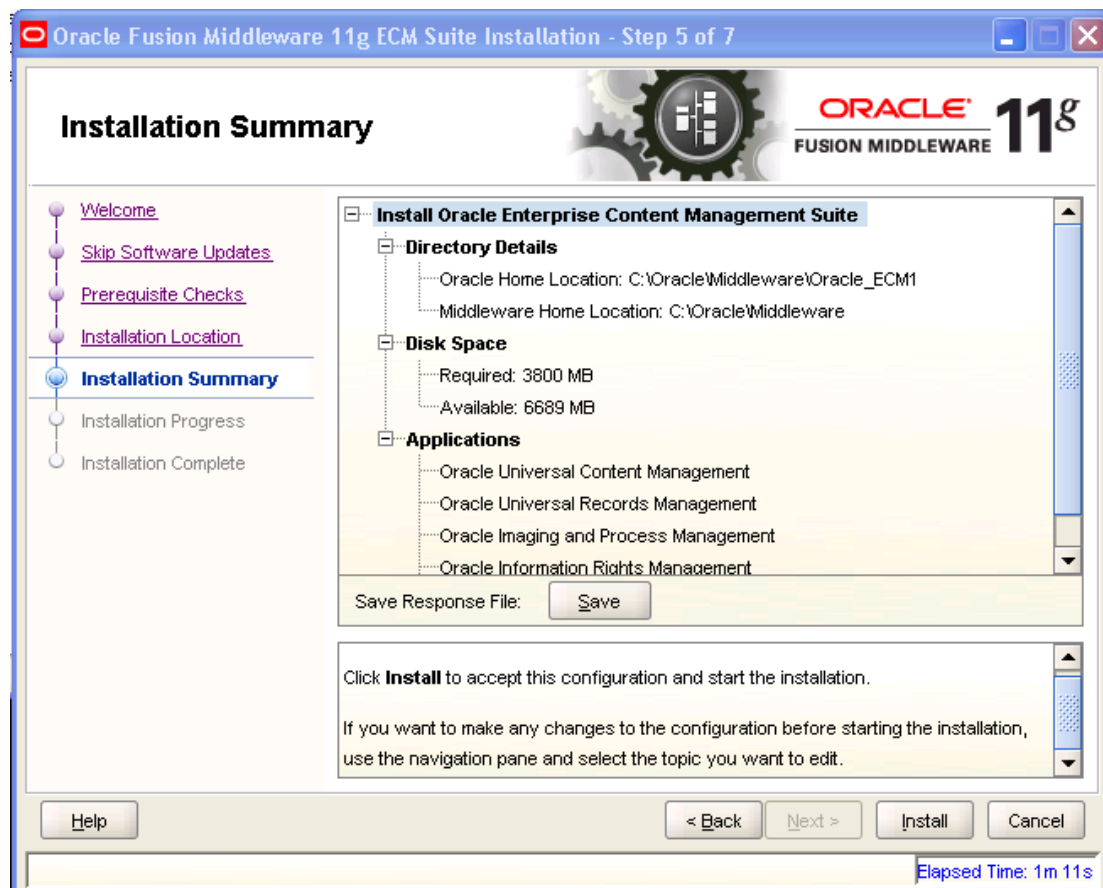
7. Click 'Next' to navigate to skip software updates.



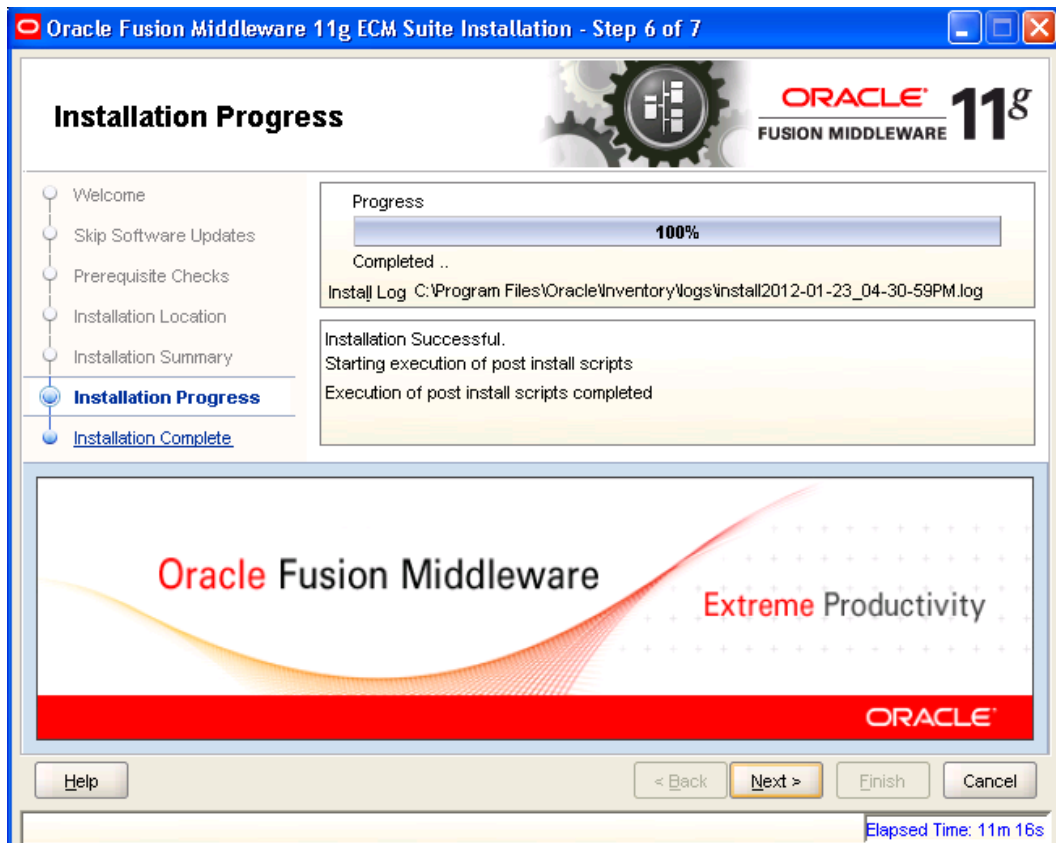
8. Click 'Next' to navigate to specify Installation Location.

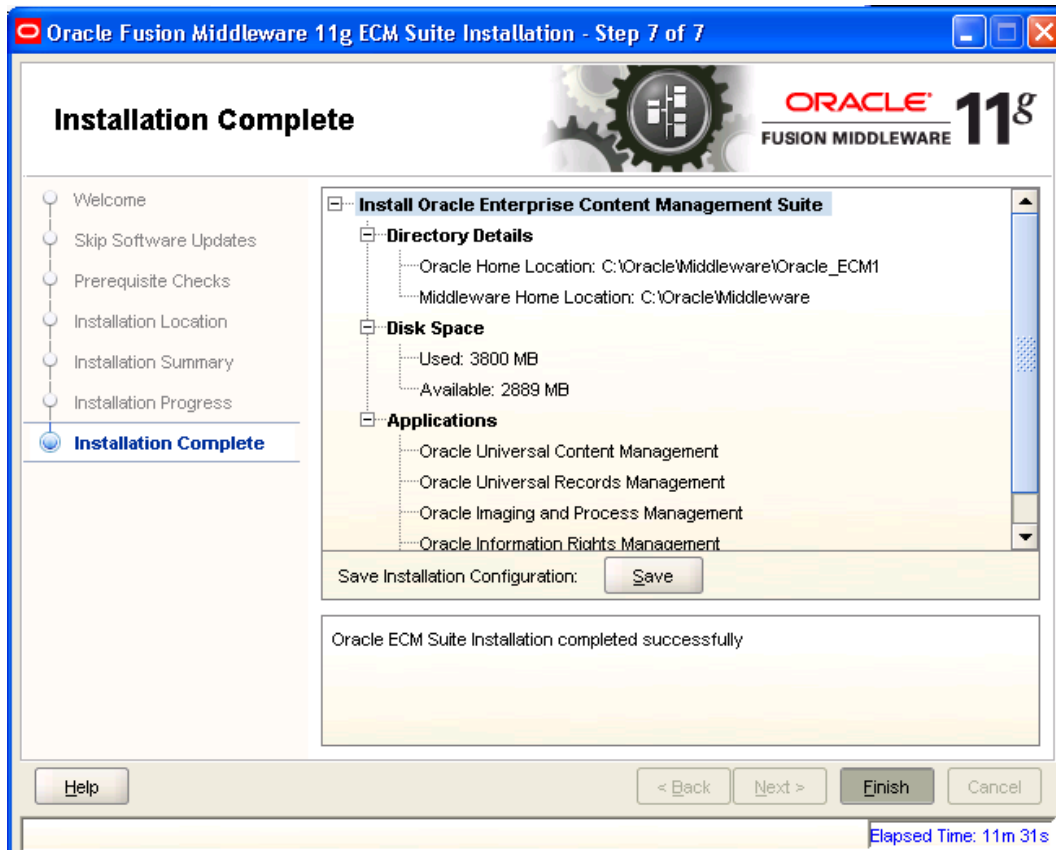


9. Specify your Oracle Middleware home directory path and click next. Oracle Middleware version should be 10.3.5.



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.

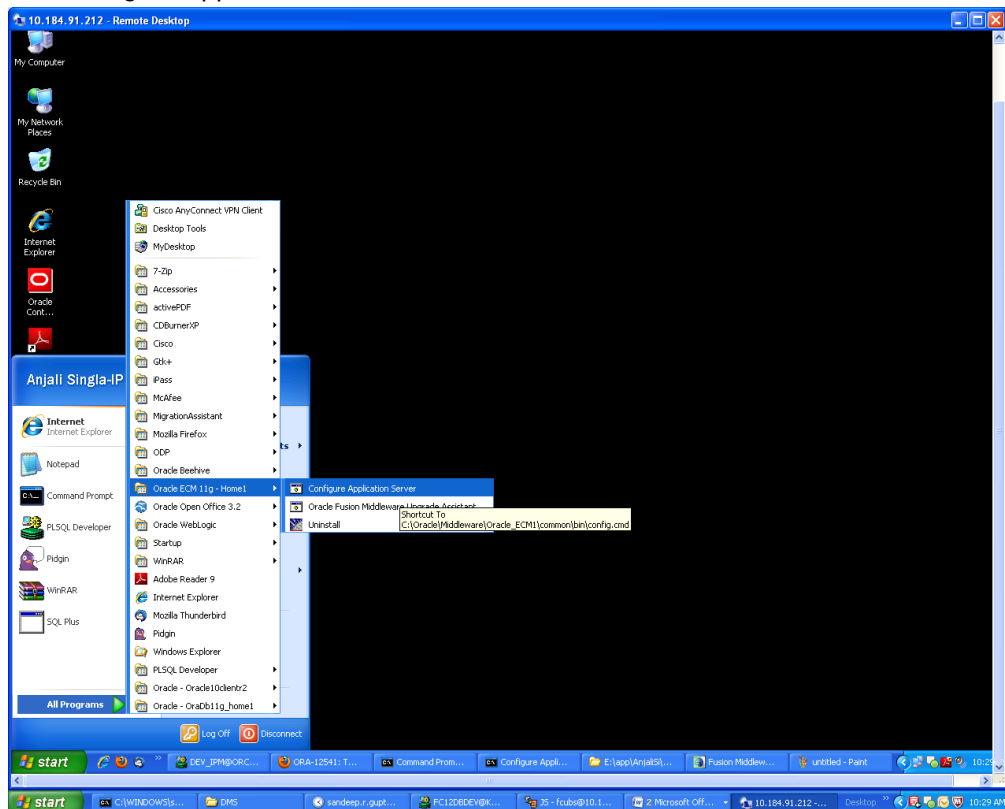
4. Configuring the ECM application server:

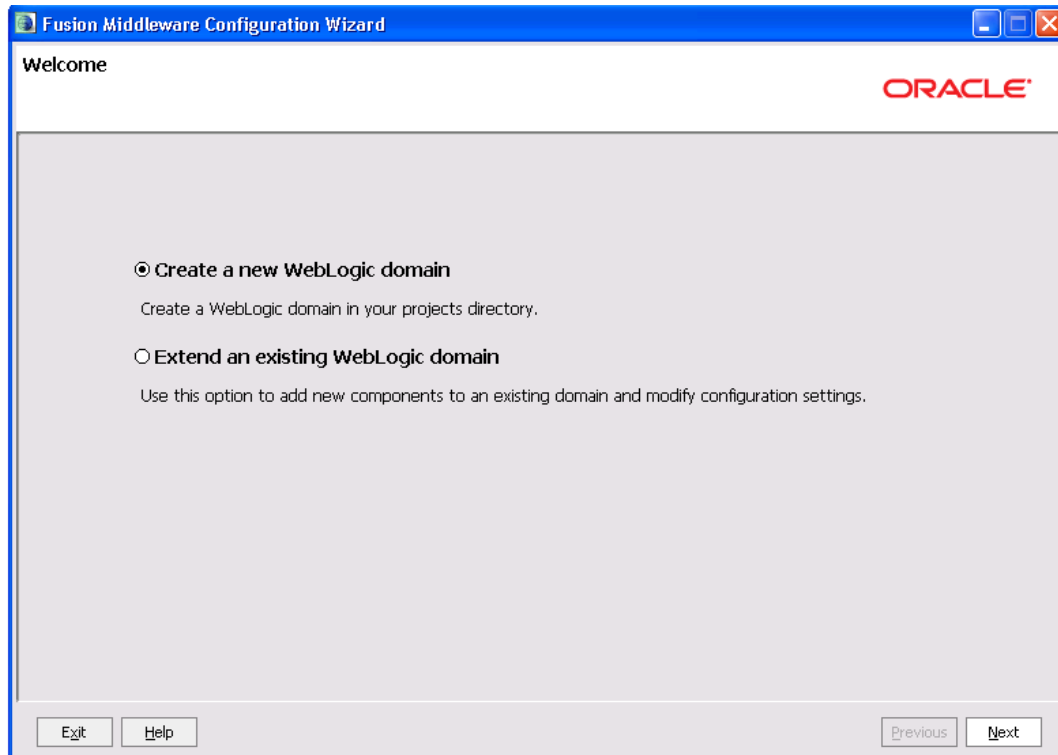
4.1 Introduction

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

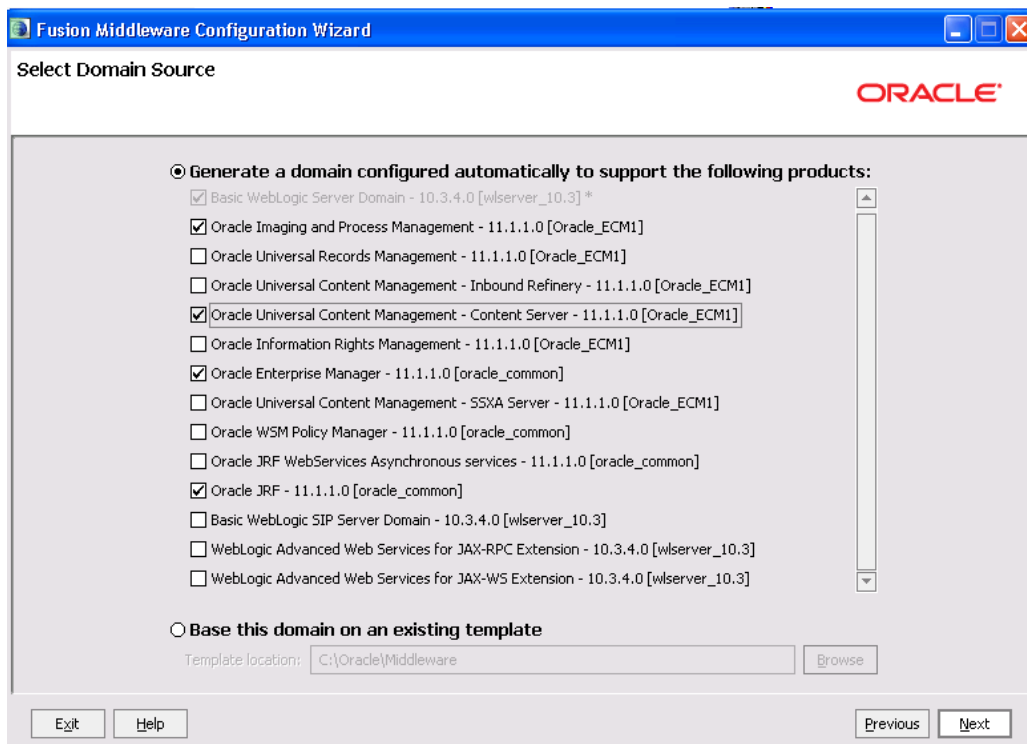
4.2 New Domain Configuration

1. Run Configure Application server.

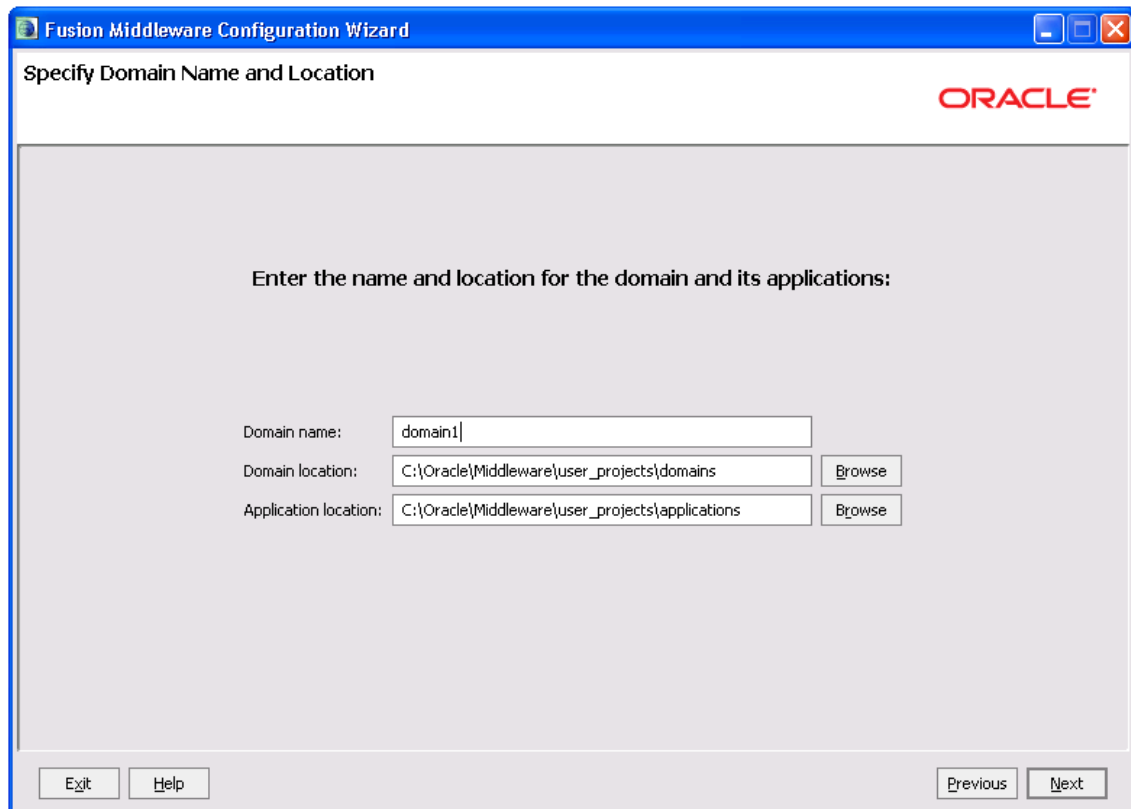




2. Create a new domain / extend an existing domain to include ECM suite components.



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

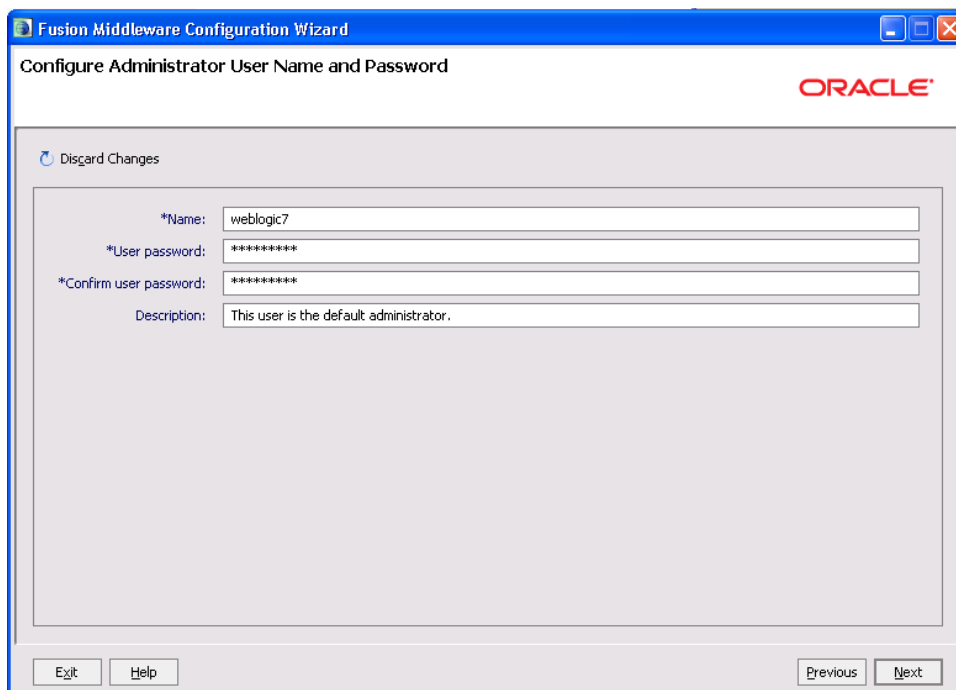
ORACLE

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](#)

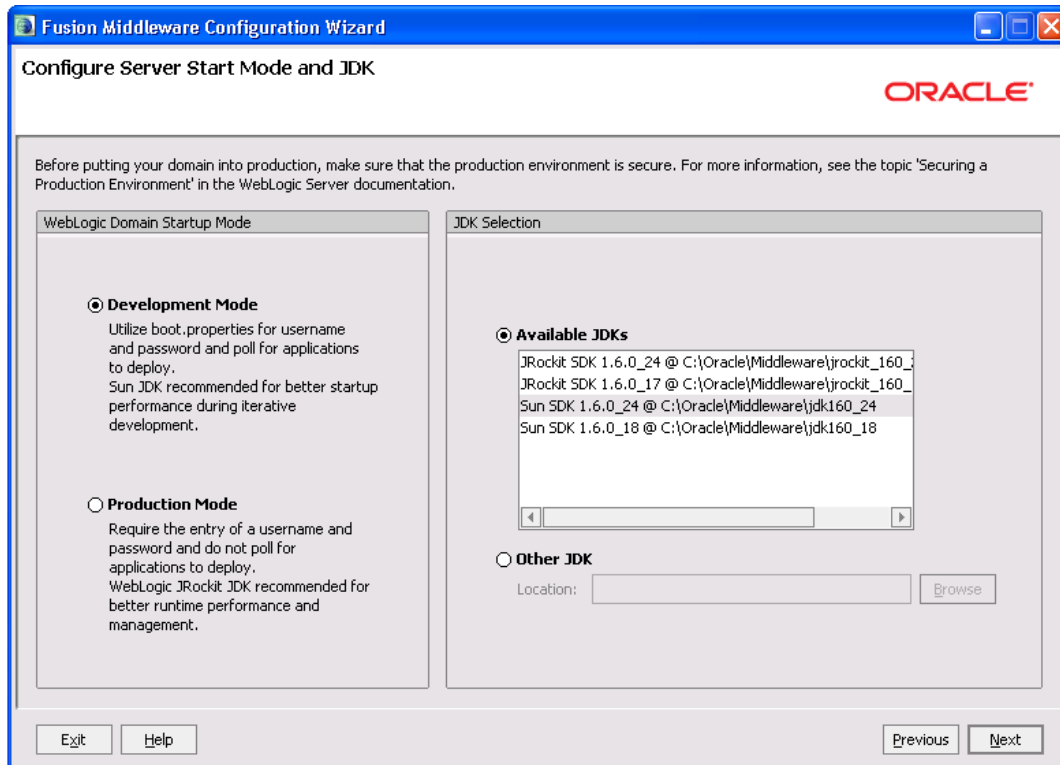
*Name:

*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:

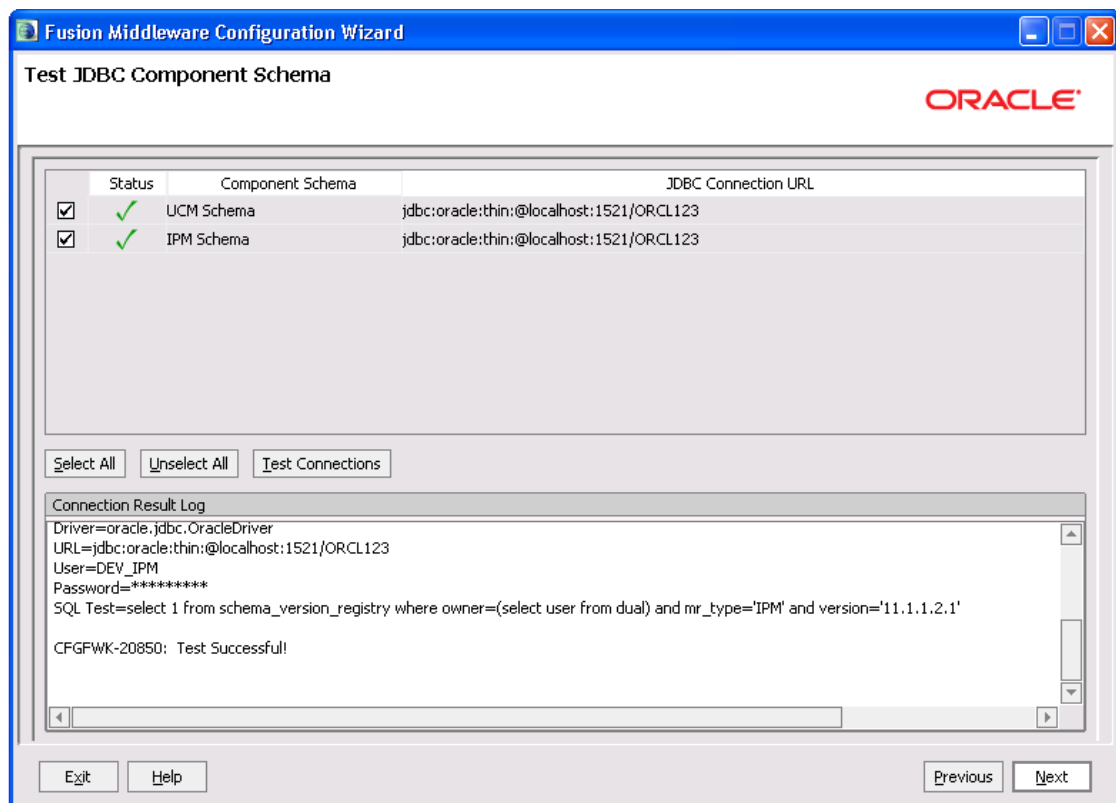
Schema Owner: Port:

Schema Password:

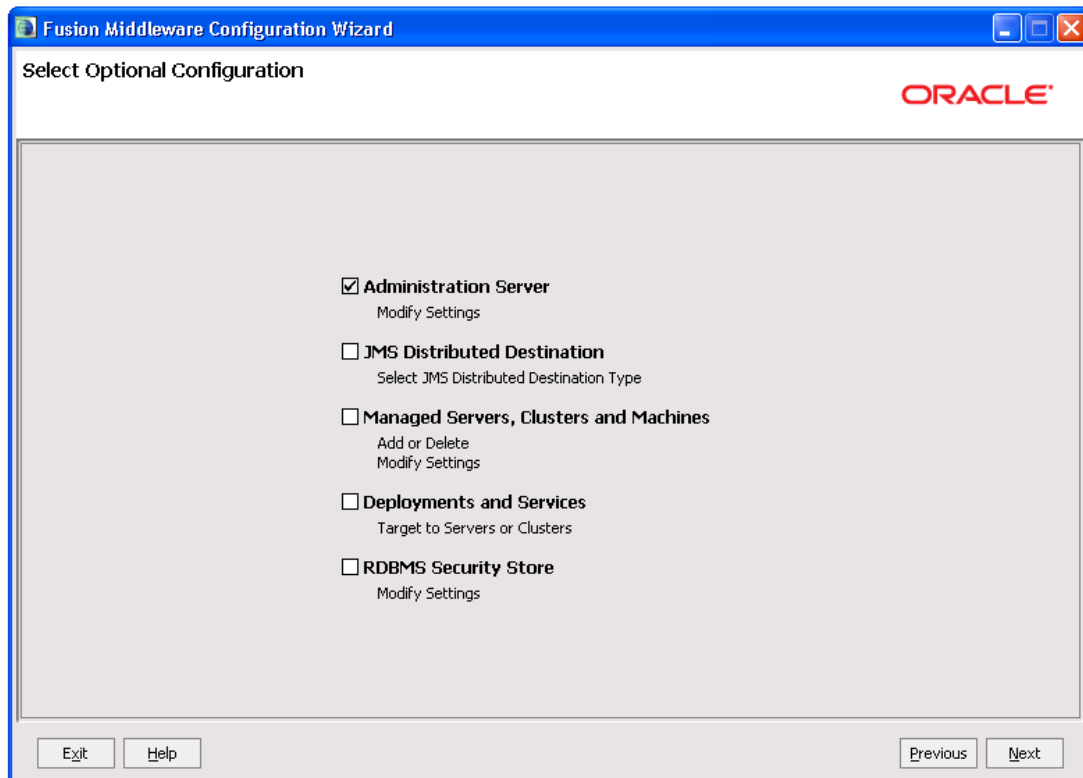
☐ Configure selected component schemas as RAC multi data source schemas in the next panel.

	Component Schema	DBMS/Service	Host Name	Port	Schema Owner	Schema Password
☒	UCM Schema	service_name	localhost	1521	DEV_OCS	*****
☒	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

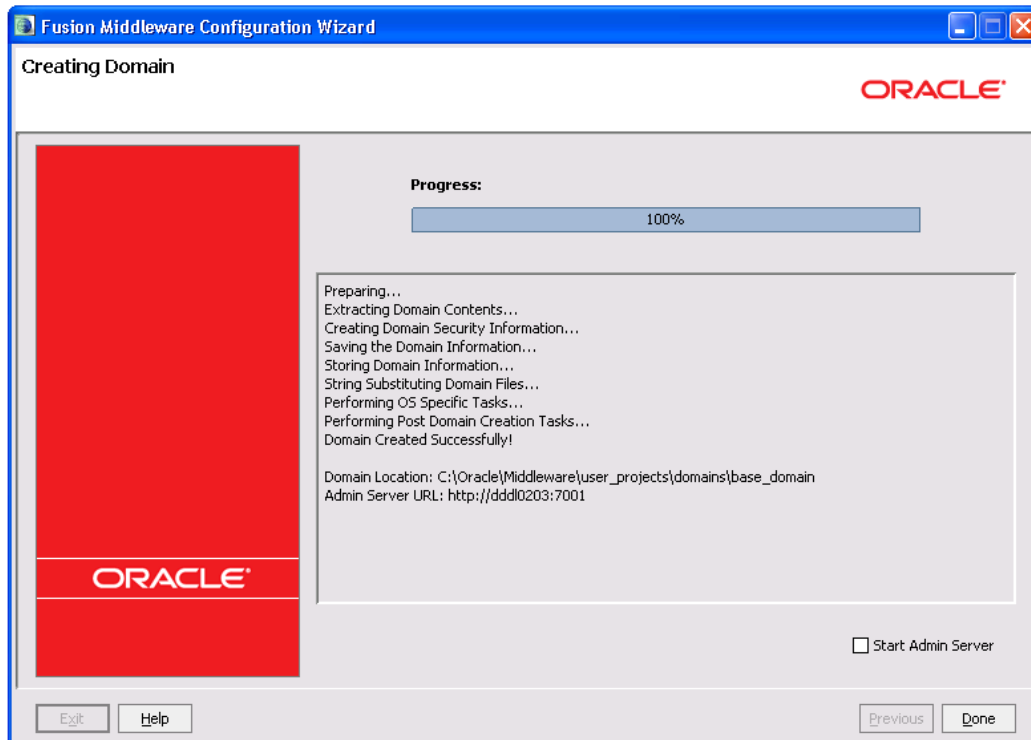
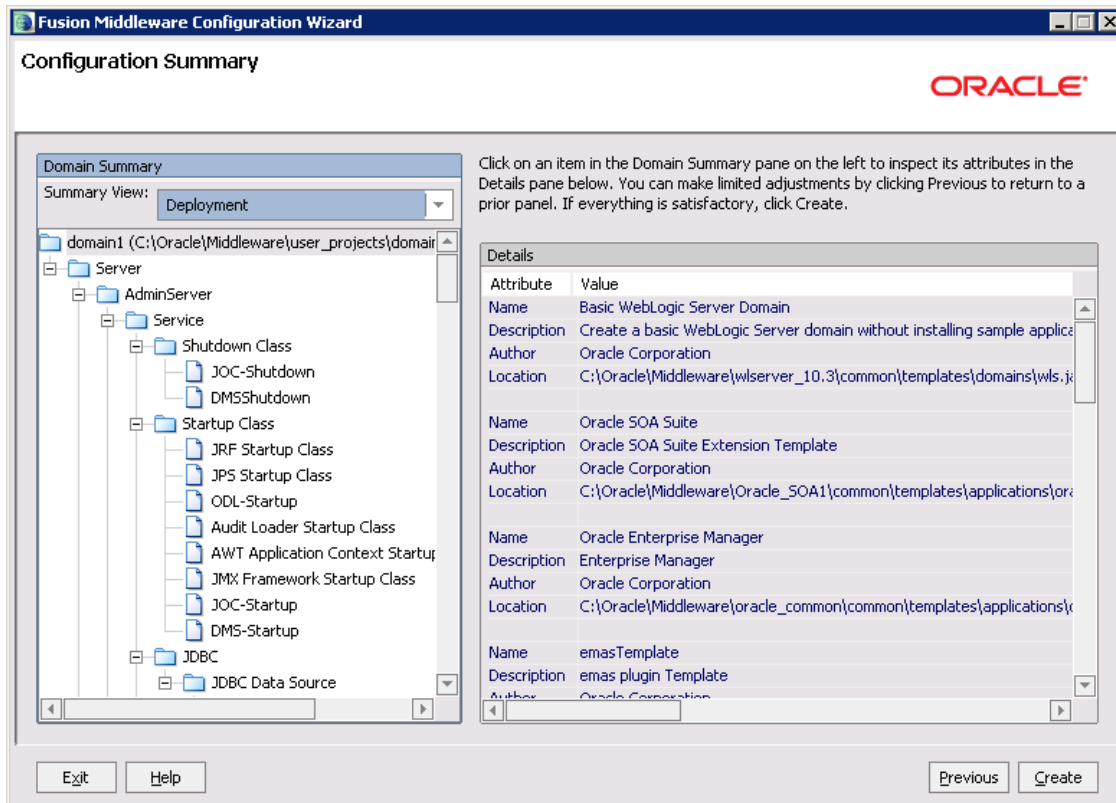
Listen port: 7001

SSL listen port: N/A

SSL enabled: ☐

Exit Help Previous Next

10. Configure the admin server.

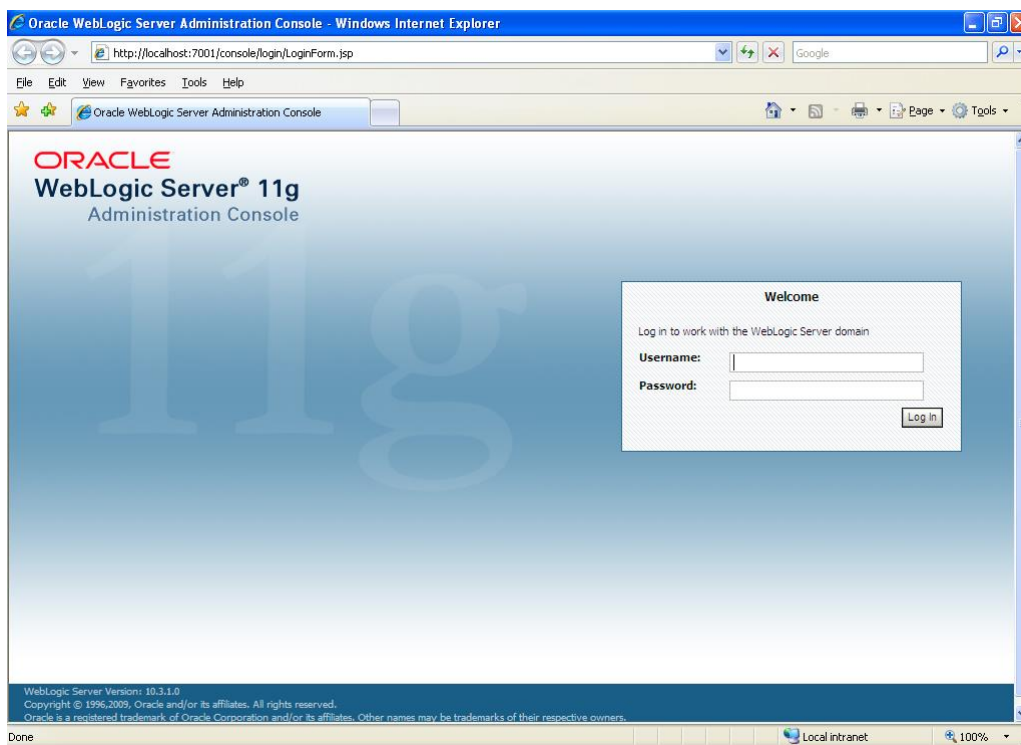


5. Checking the Deployment Summary

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>

Summary of Deployments - domain2 - WLS Console - Mozilla Firefox

http://localhost:7001/console/console.portal?_rfpb=true&_pagelabel=AppDeploymentsControlPage

Oracle WebLogic Server Administration Console

Welcome, weblogic1 | Connected to: domain2

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

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 (11.1.1.1.1.0)	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(5.5.0)	Active		Library	100
ohw-un(5.5.0)	Active		Library	100
Oracle UCM Help	Active	OK	Web Application	225

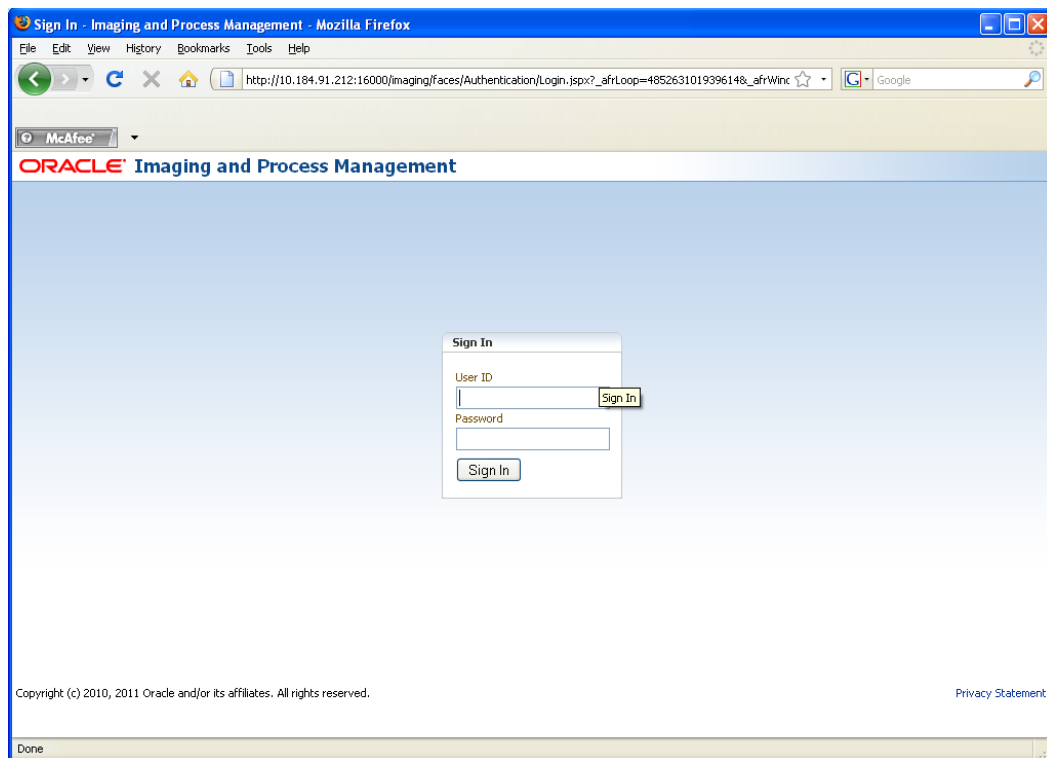
7. Imaging application should be up and running.

6. Creating FLEXCUBE Application

1. Open the Imaging application:

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

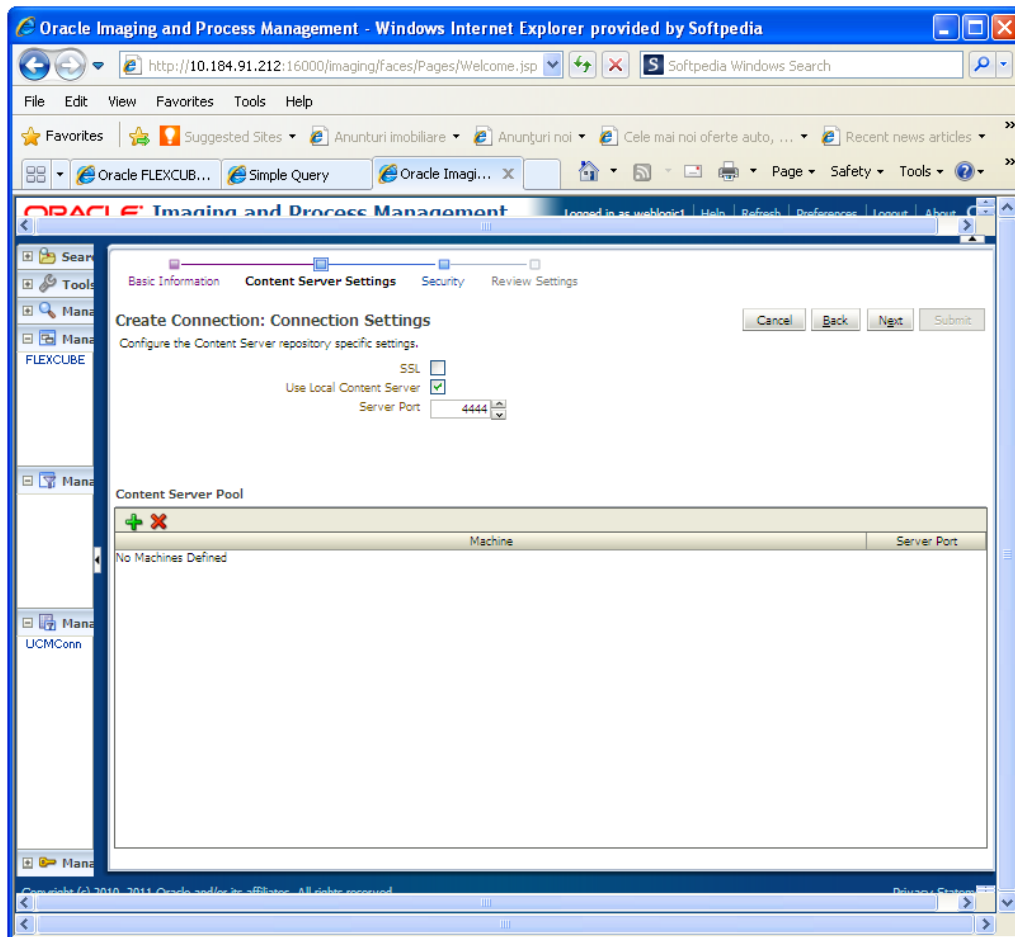
The following screen is displayed:

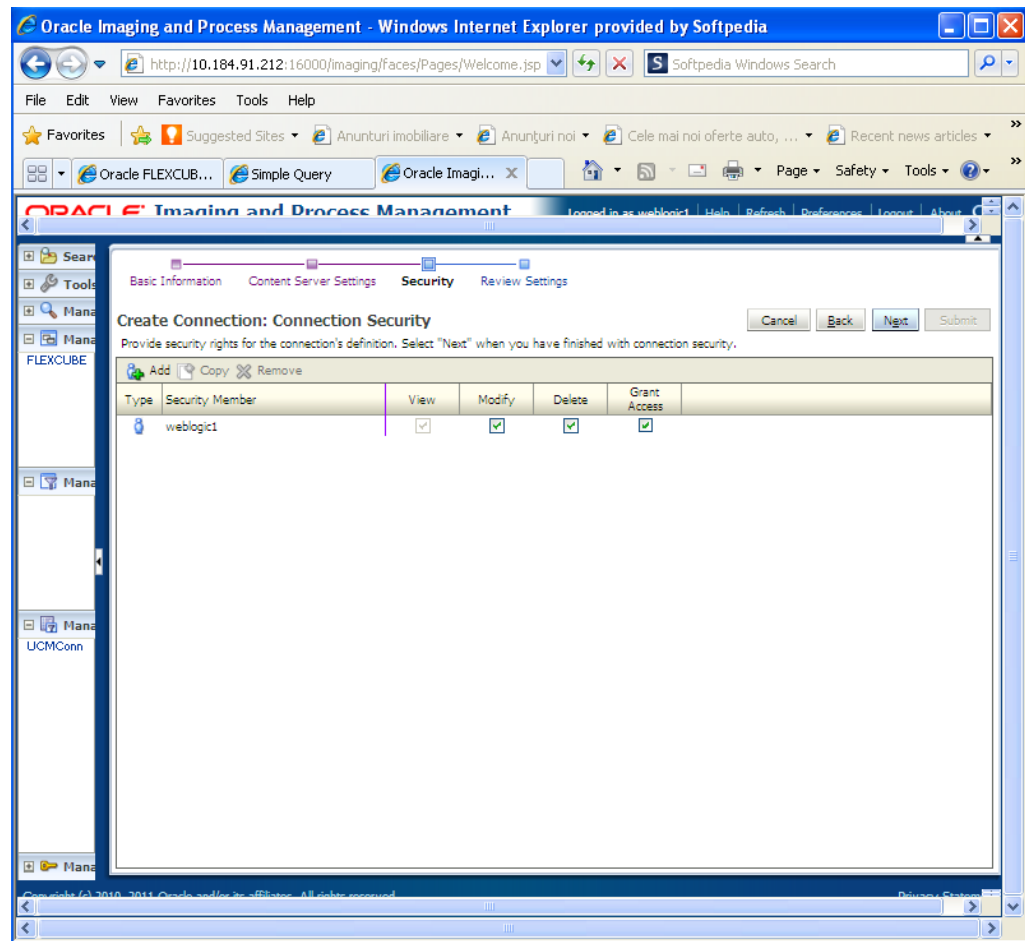


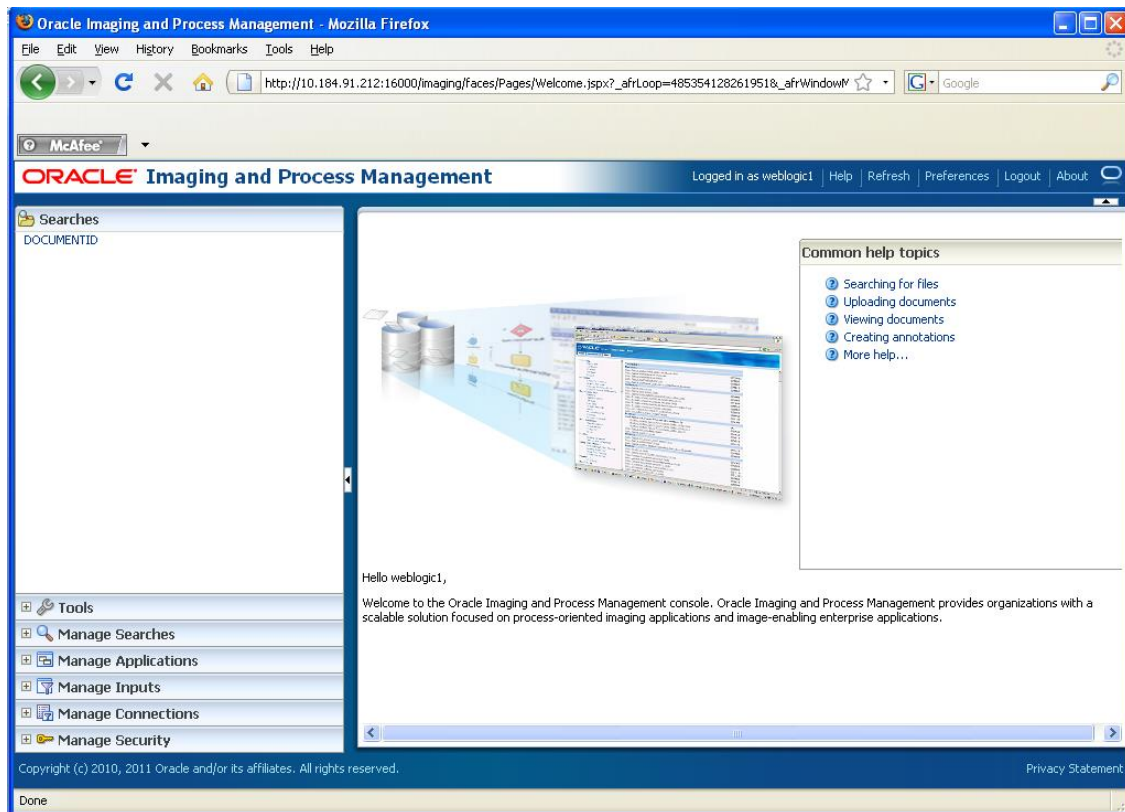
2. Login to imaging application.
3. Enter username/password and press Login.

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

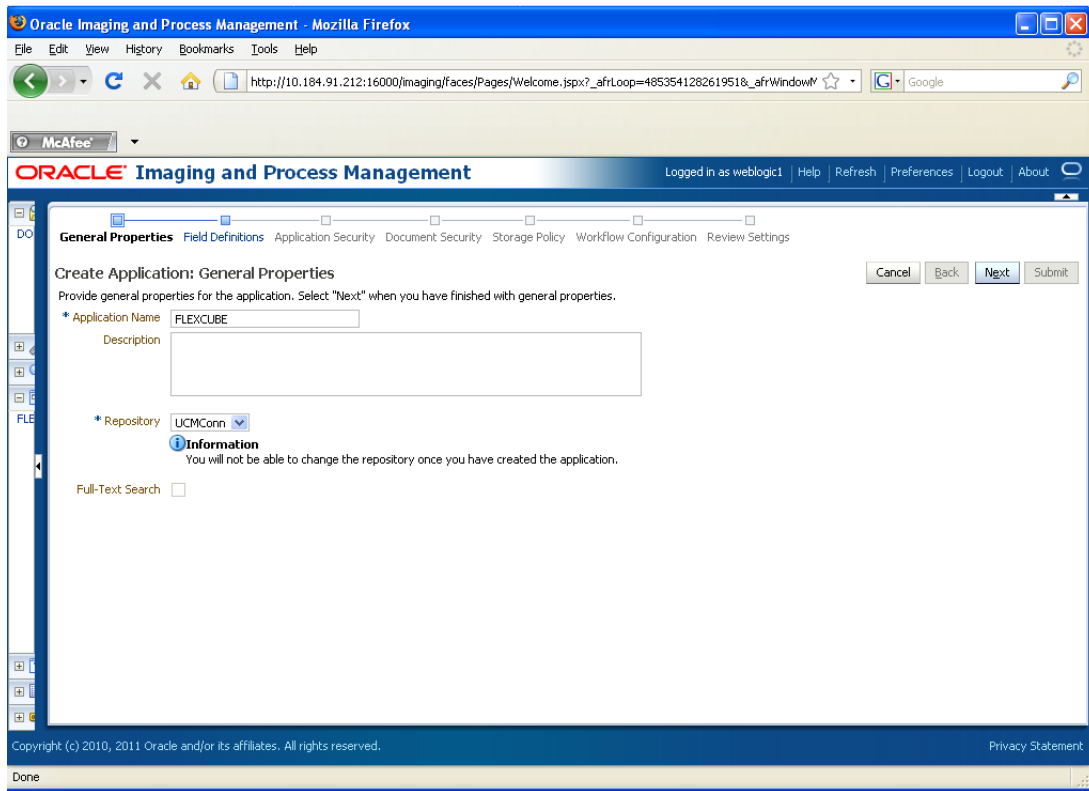
The screenshot shows a web browser window titled "Oracle Imaging and Process Management - Windows Internet Explorer provided by Softpedia". The address bar displays the URL "http://10.184.91.212:16000/imaging/faces/Pages/Welcome.jsp". The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The Favorites bar shows several links, including "Oracle FLEXCUB...", "Simple Query", and "Oracle Imagi...". The main content area displays the "ORACLE Imaging and Process Management" header with a login status of "Logged in as webbois1". Below the header, there are four tabs: "Basic Information", "Content Server Settings", "Security", and "Review Settings". The "Basic Information" tab is active, showing the "Create Connection: Basic Information" form. The form includes a "Name" field with the value "Conn", a "Description" field with the value "Conn", and a "Connection Type" dropdown menu set to "Content Server Repository". At the top right of the form, there are buttons for "Cancel", "Back", "Next", and "Submit". The left sidebar contains a tree view with nodes for "Search", "Tools", "Manage", and "FLEXCUBE". The bottom of the browser window shows a status bar with copyright information: "Copyright (c) 2010-2011 Oracle and/or its affiliates. All rights reserved."







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 FLEXCUBE

Description

* Repository UCMConn

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

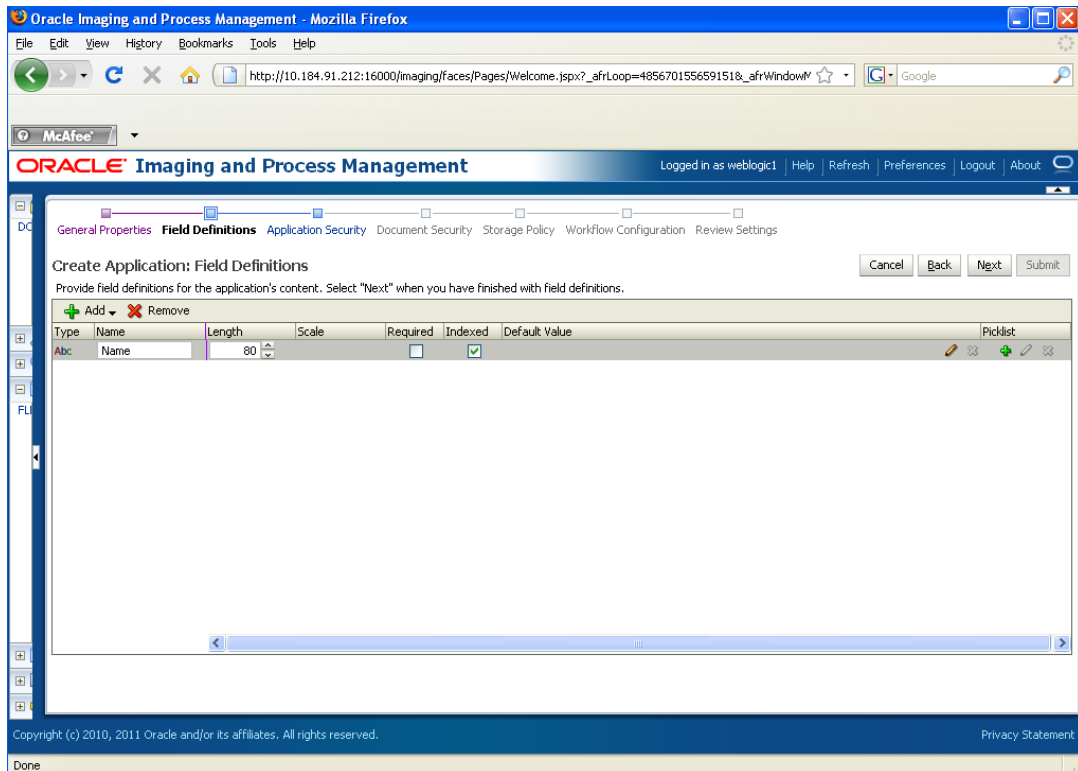
Full-Text Search ☐

Cancel Back Next Submit

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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

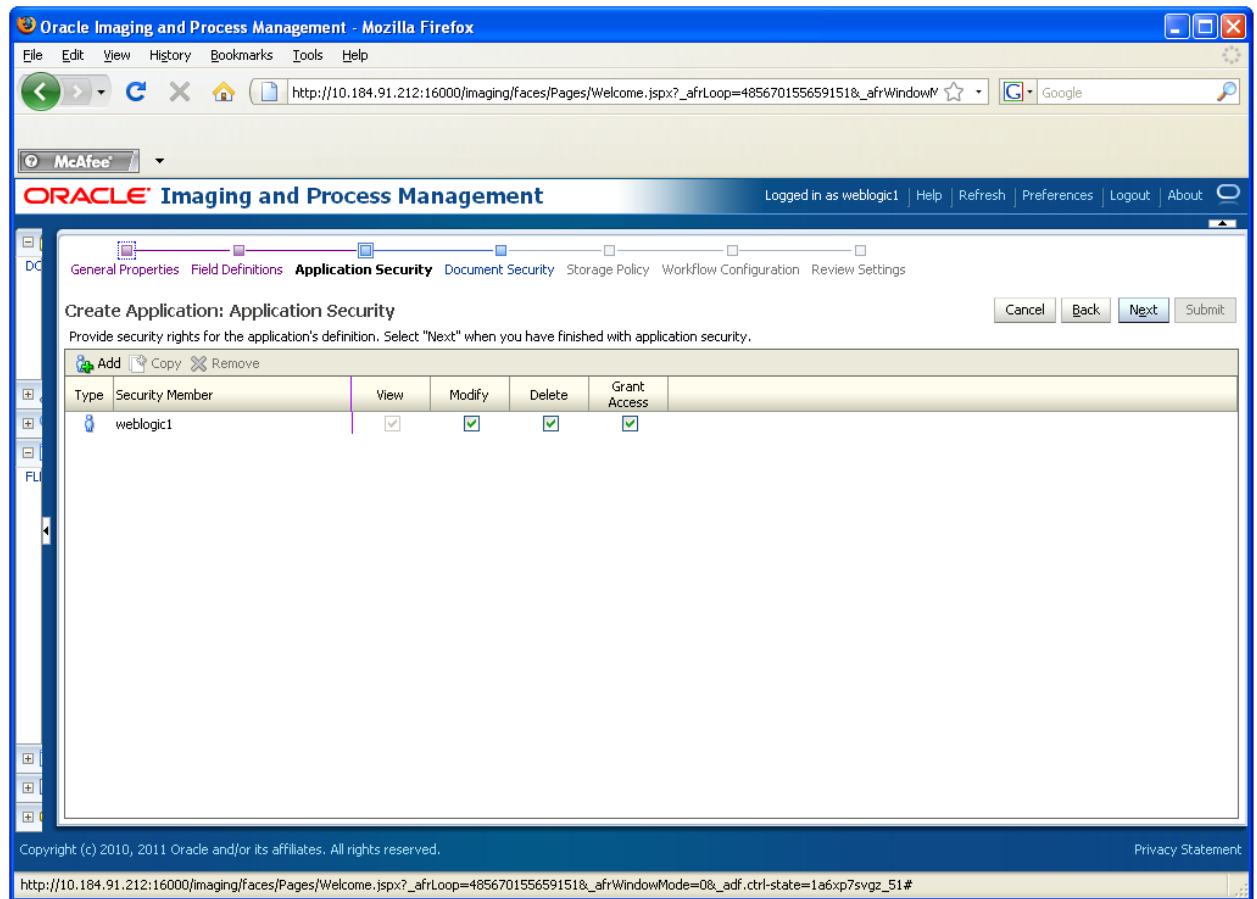
Provide field definitions for the application's content. Select "Next" when you have finished with field definitions.

+ Add - Remove

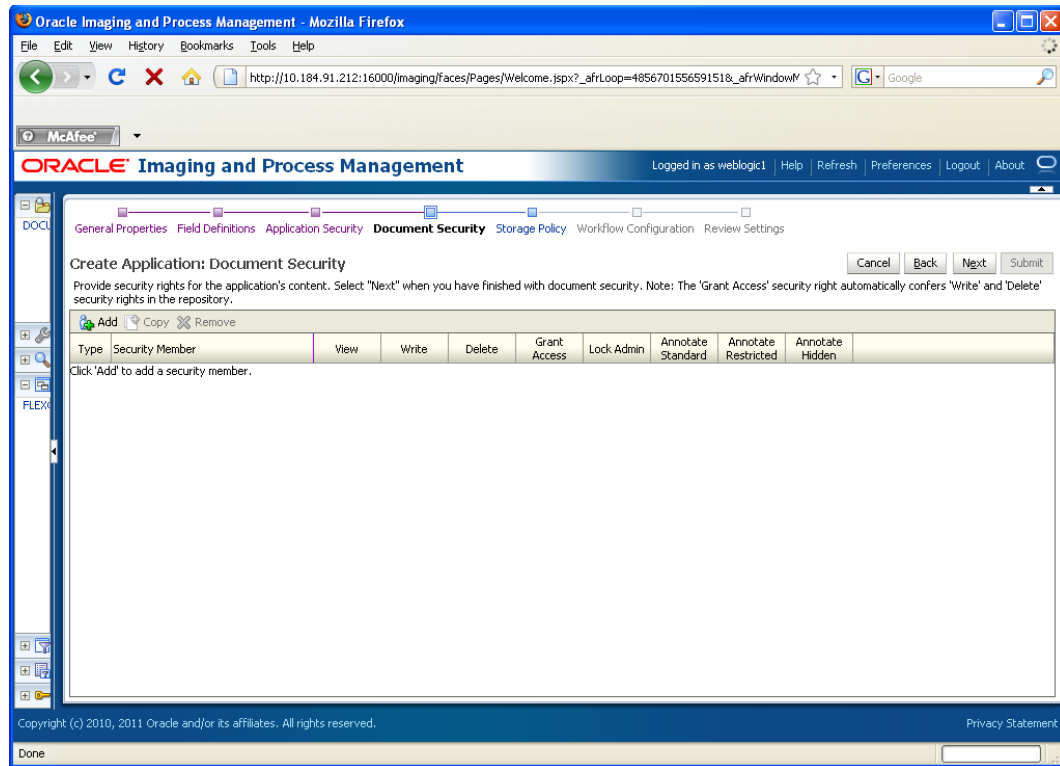
Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Name	80		☐	☒		☐

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Done



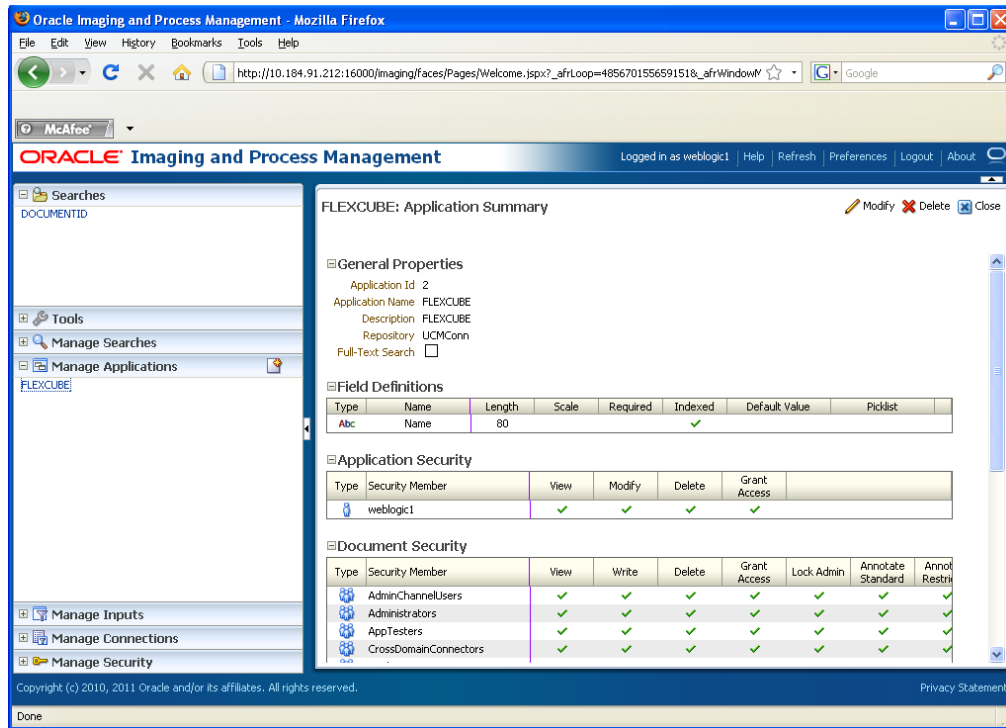
9. Click on 'Next'.



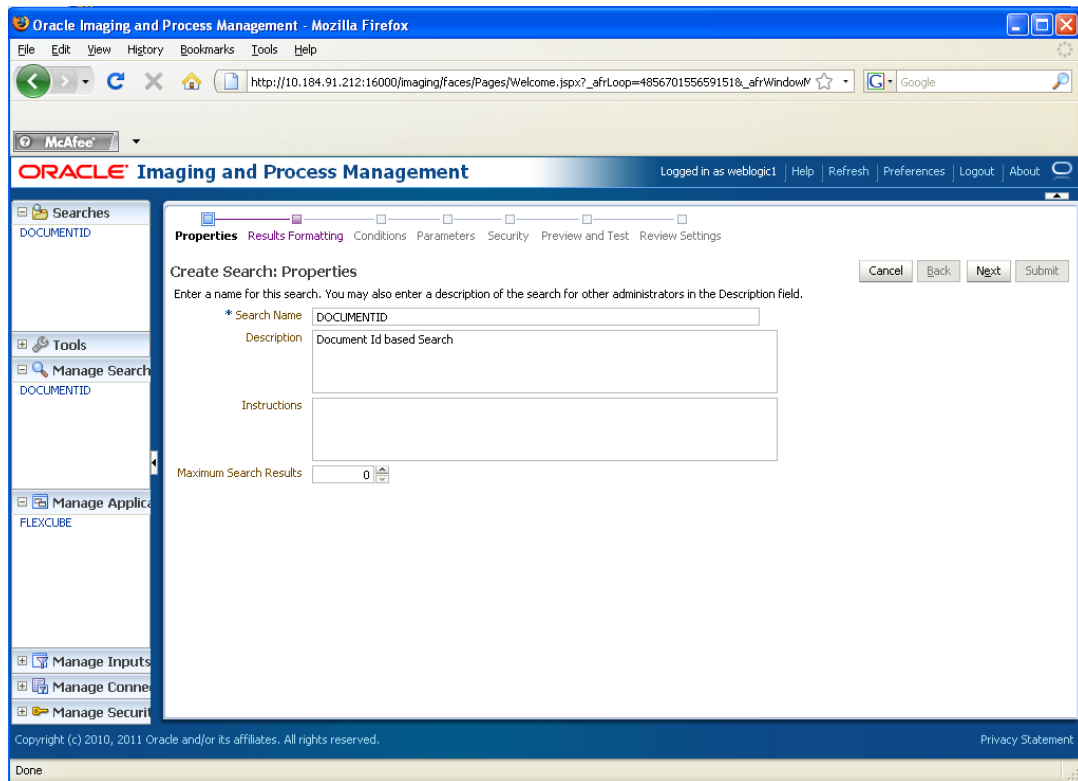
10. Add security member giving all rights.

11. Click on 'Next' .

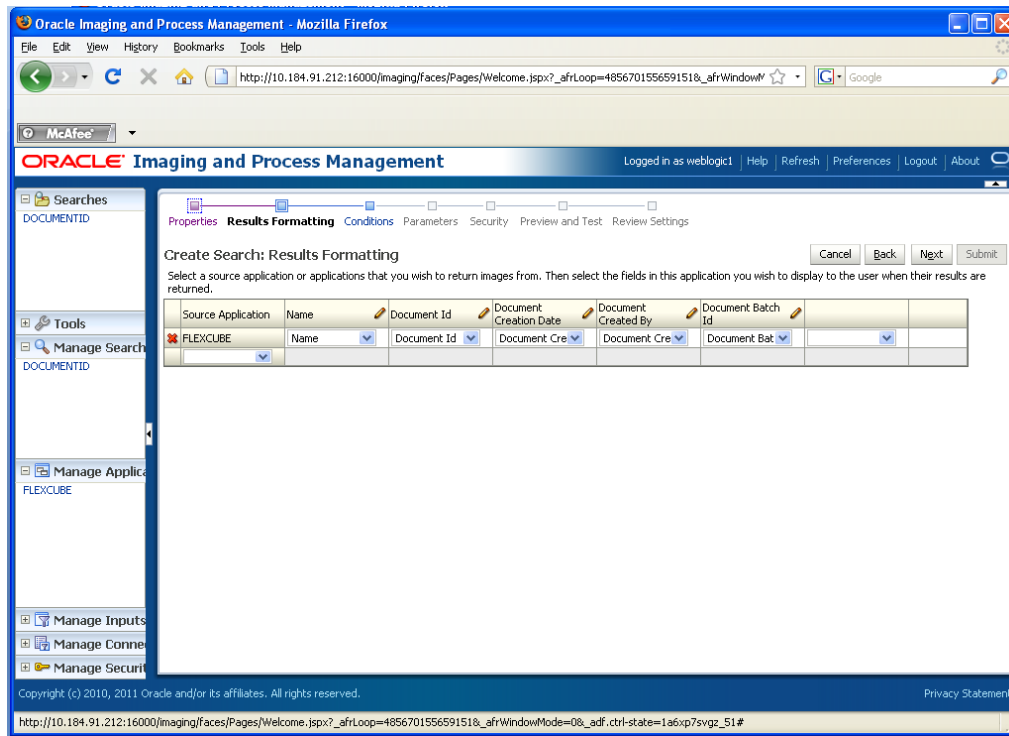
Application Summary appears as:



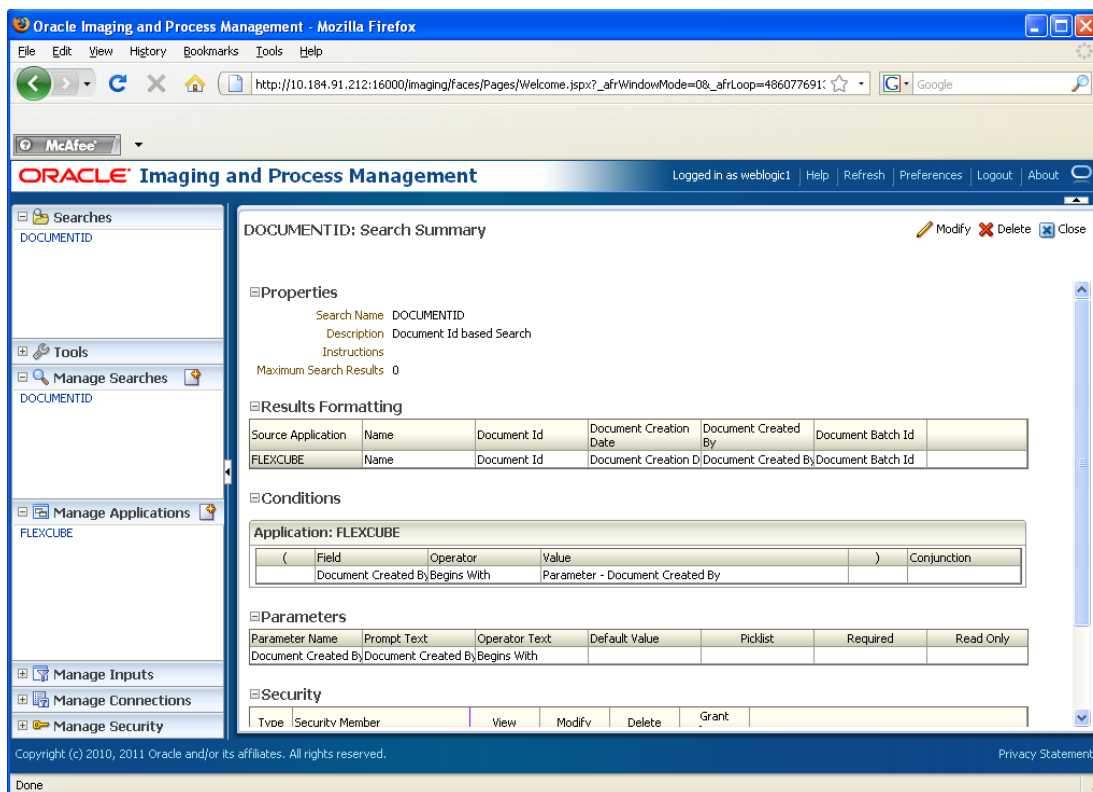
12. Click on 'Manage Searches' to add a search for DocumentID.



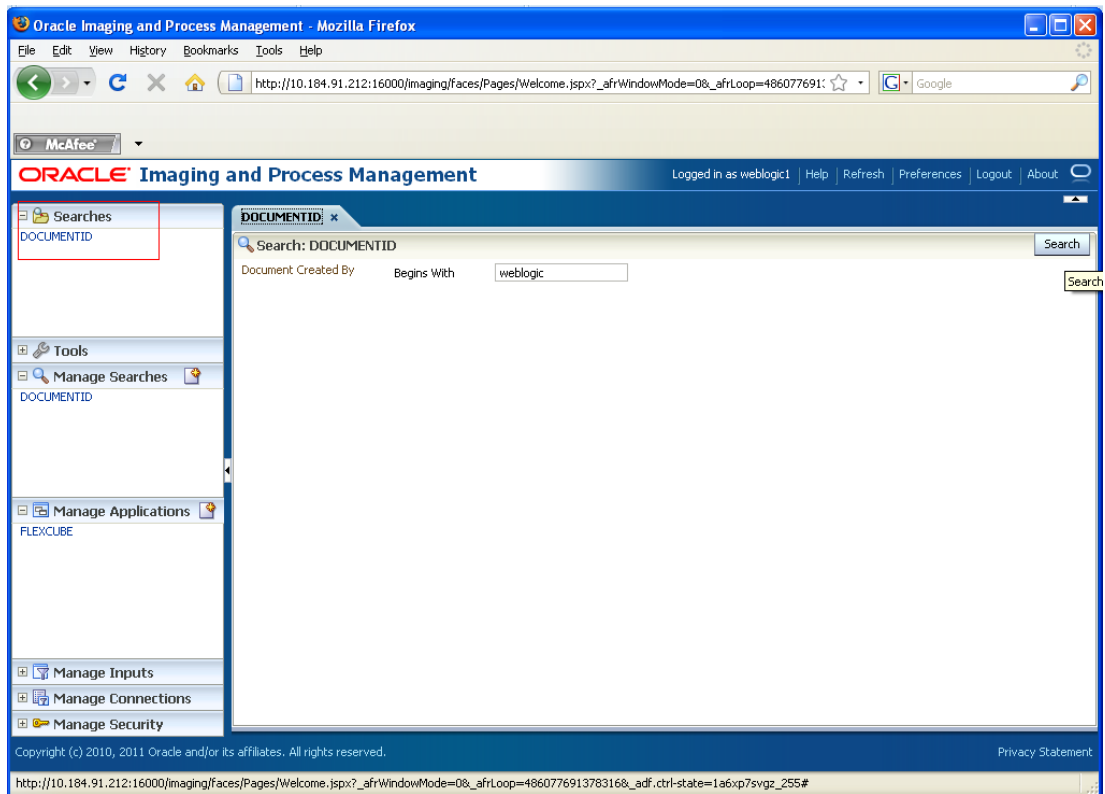
13. Click on 'Next' and add all the details as shown:



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

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