

UCM Server Setup
Oracle FLEXCUBE Investor Servicing
Release 12.3.0.0.0
[September] [2016]



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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 (10.3.6)

Download Oracle Weblogic from Oracle Website.

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).

2.1 Create Repository in order to Configure the Application

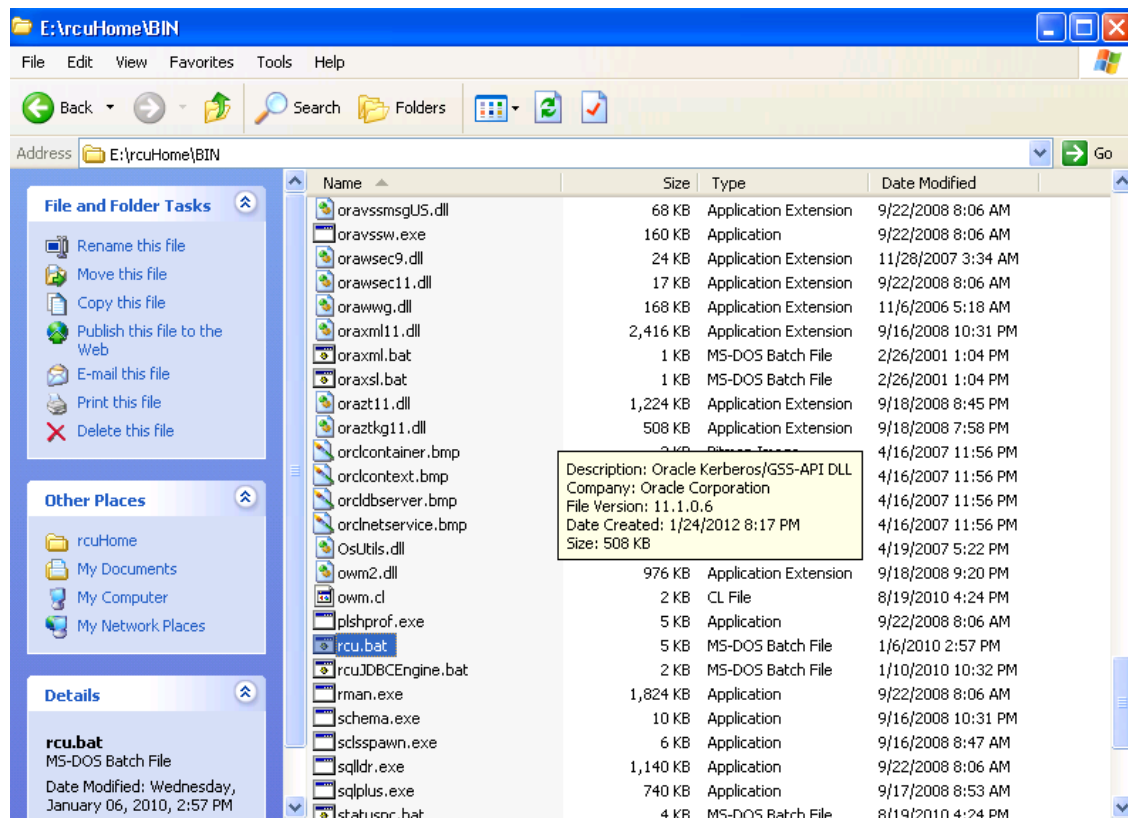
Oracle Repository Creation Utility (RCU) is used to create schemas that are required for UCM server Installation.

1. Install Database.
2. Navigate to the directory into which RCU is installed. For Example

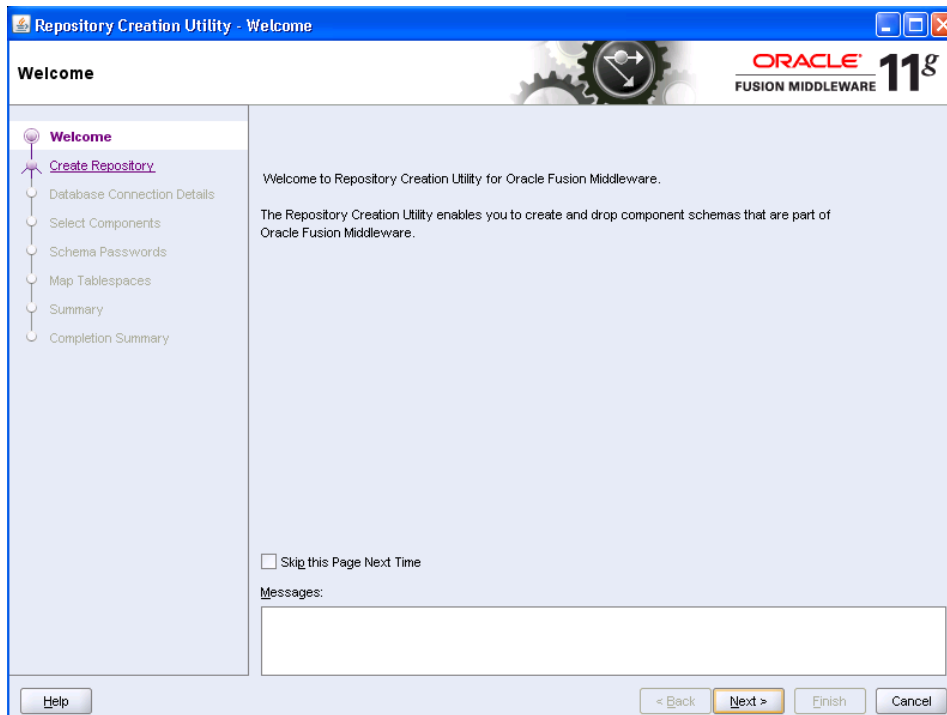
<rcu_home>\BIN

Where rcu_home is the directory in which RCU is installed.

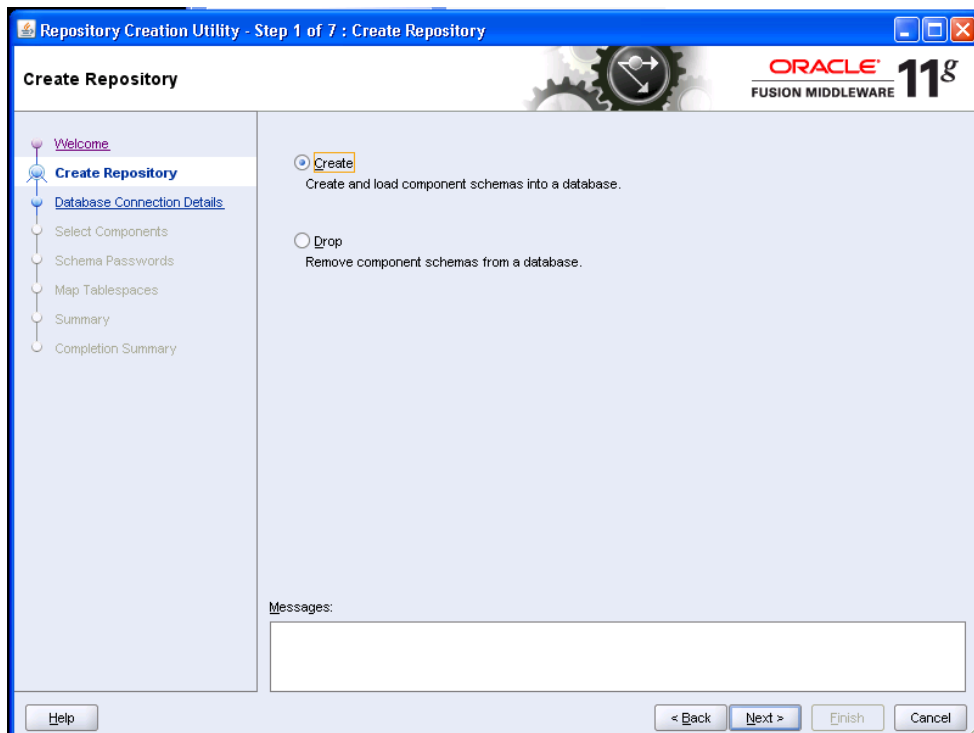
3. Click on rcu.bat file to create the repository.



The Repository Creation Welcome Screen appears.



4. 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](#)

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

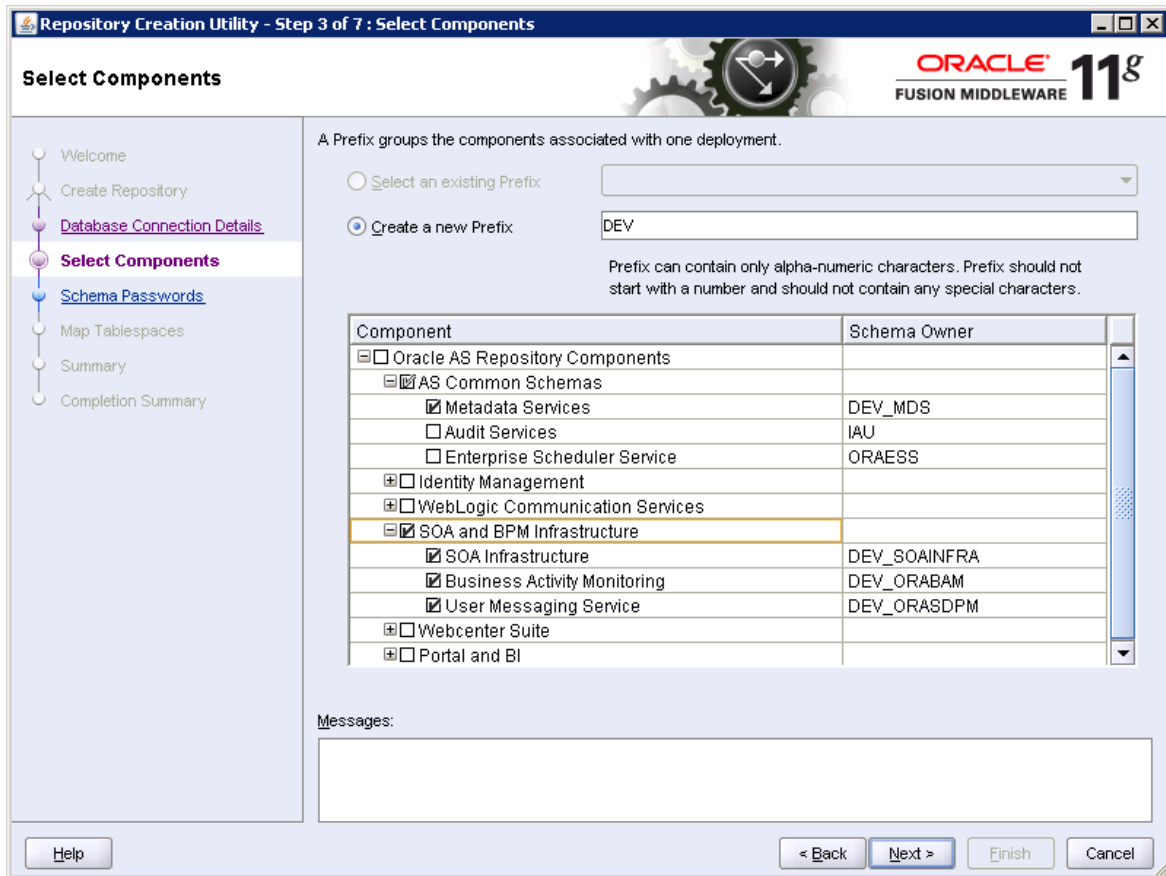
Repository Creation Utility - Checking Prerequisites

Checking Global Prerequisites

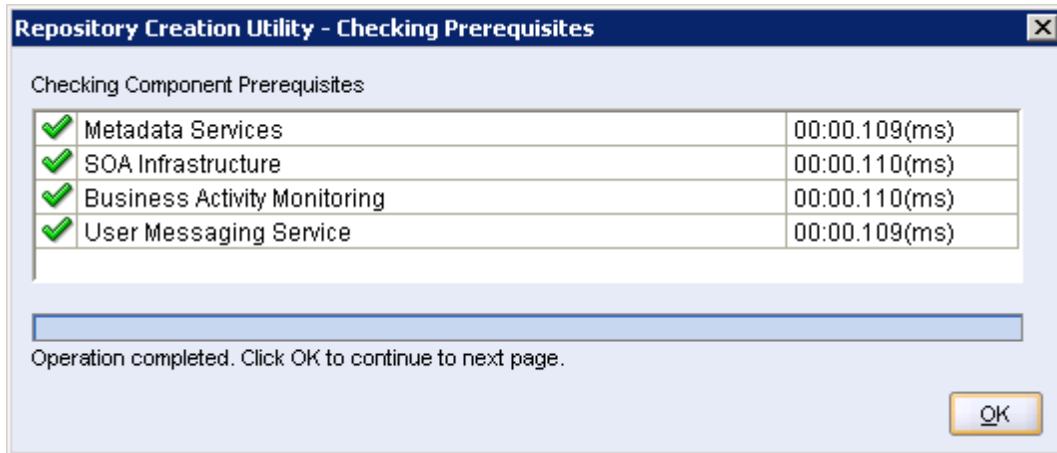
✓	Initializing repository configuration metadata	00:02.266(sec)
✓	Obtain properties of the specified database	00:00.110(ms)
✓	Check requirement for specified database	00:00.437(ms)
✓	Execute pre create operations	00:00.984(ms)

Operation completed. Click OK to continue to next page.

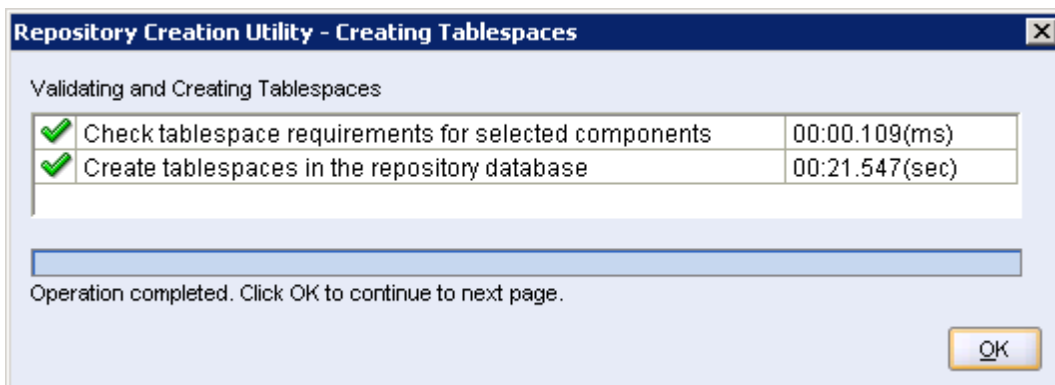
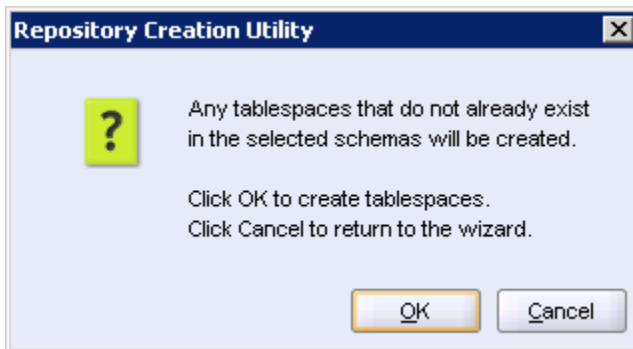
OK



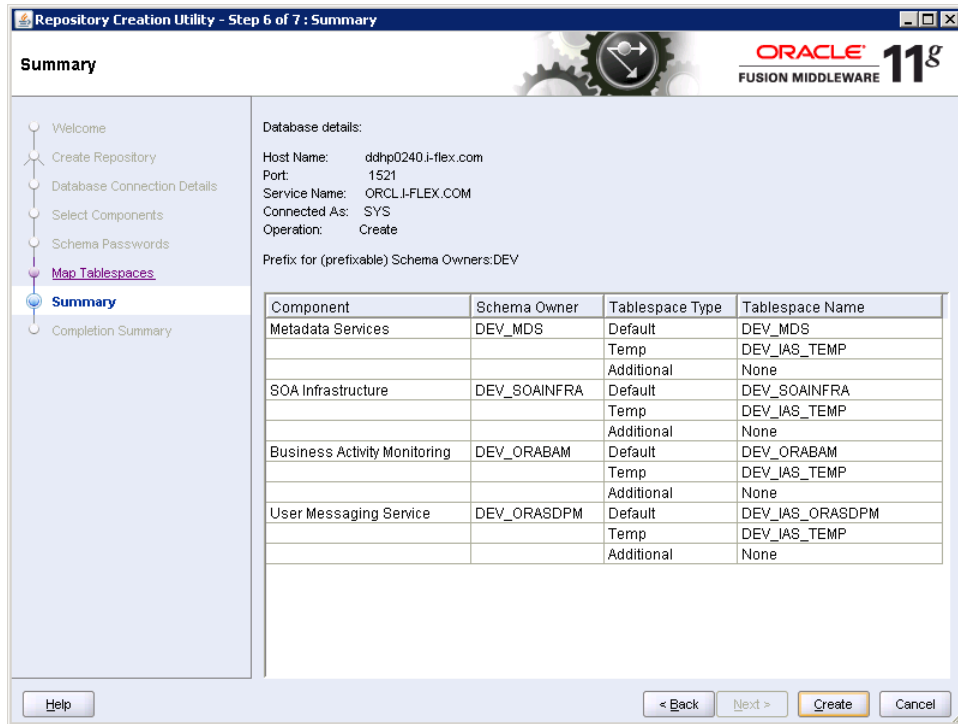
7. The prefix option is provided so that multiple soa schemas can be in the same instance.
8. Select Enterprise Content Management
 - DEV_OCS
 - DEV_OCSSEARCH
 - DEV_IPM



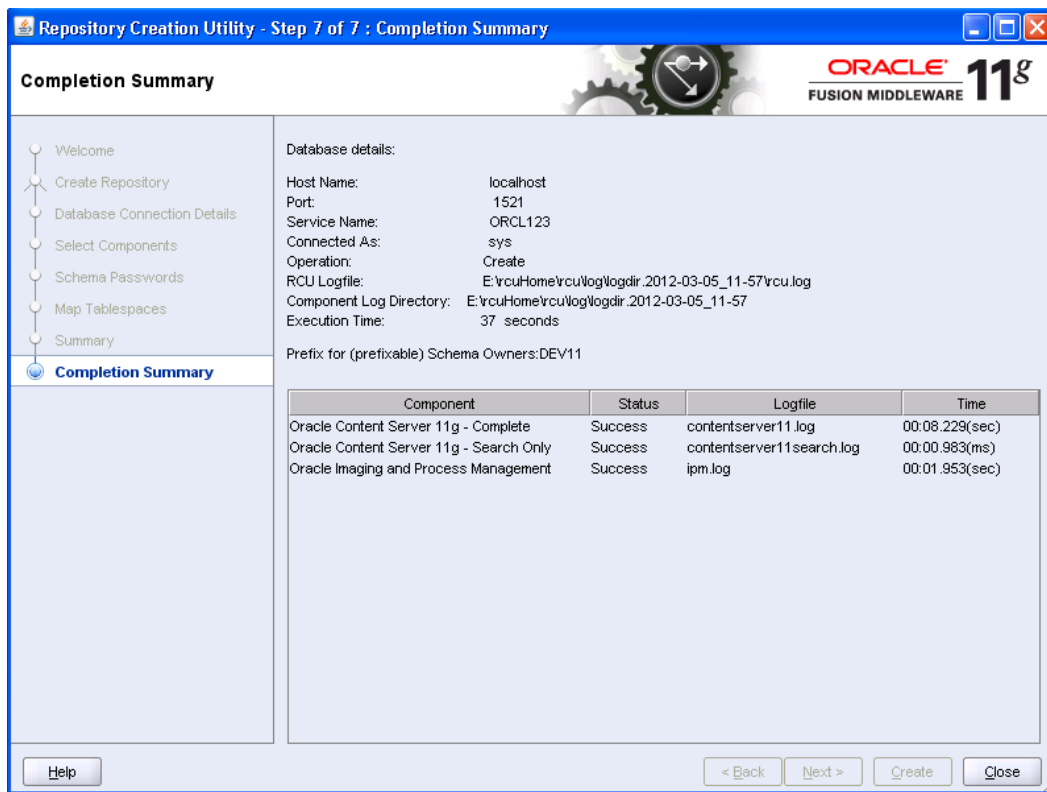
9. Please make a note of the password / passwords being used.



10. Tablespaces creation.



11. Summary



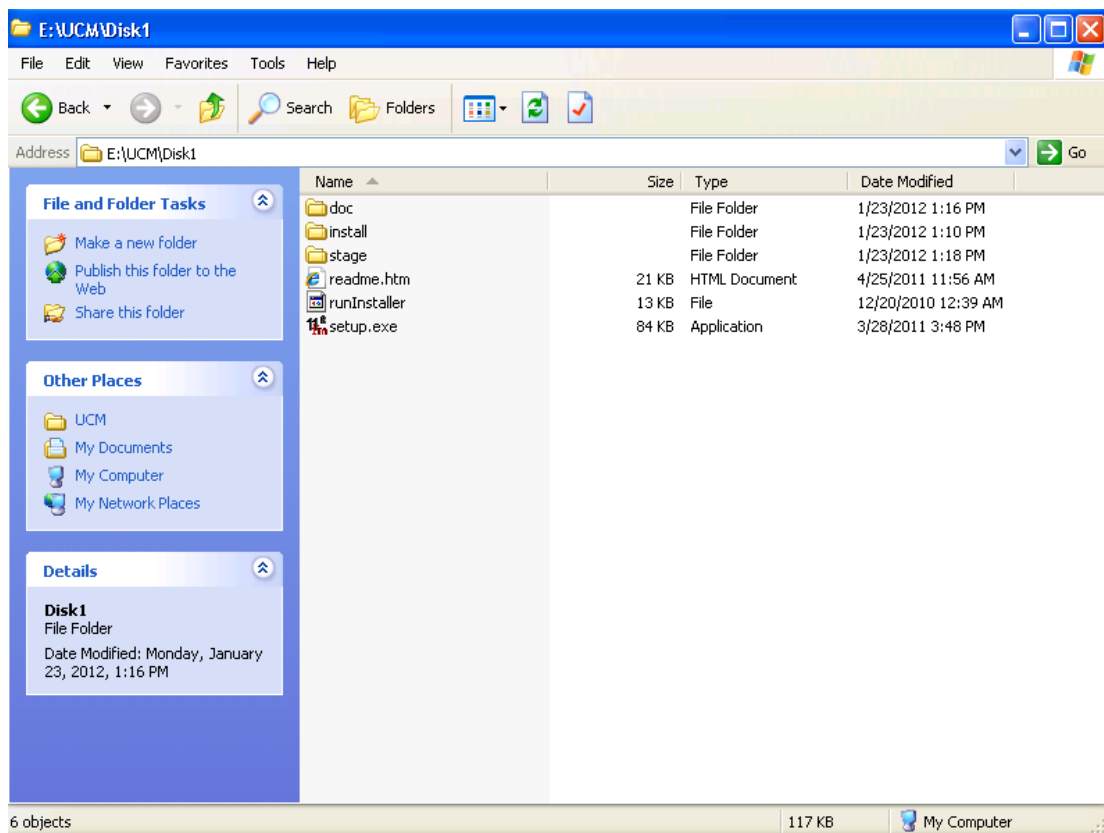
12. Completion Summary.

3. UCM Server Setup

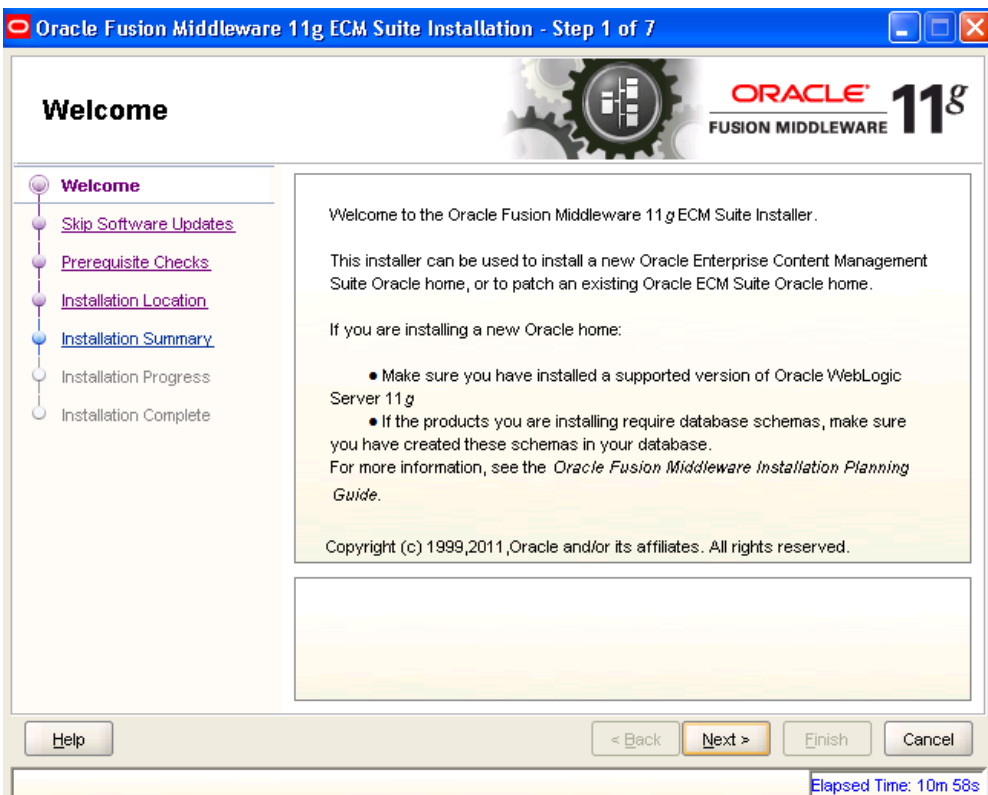
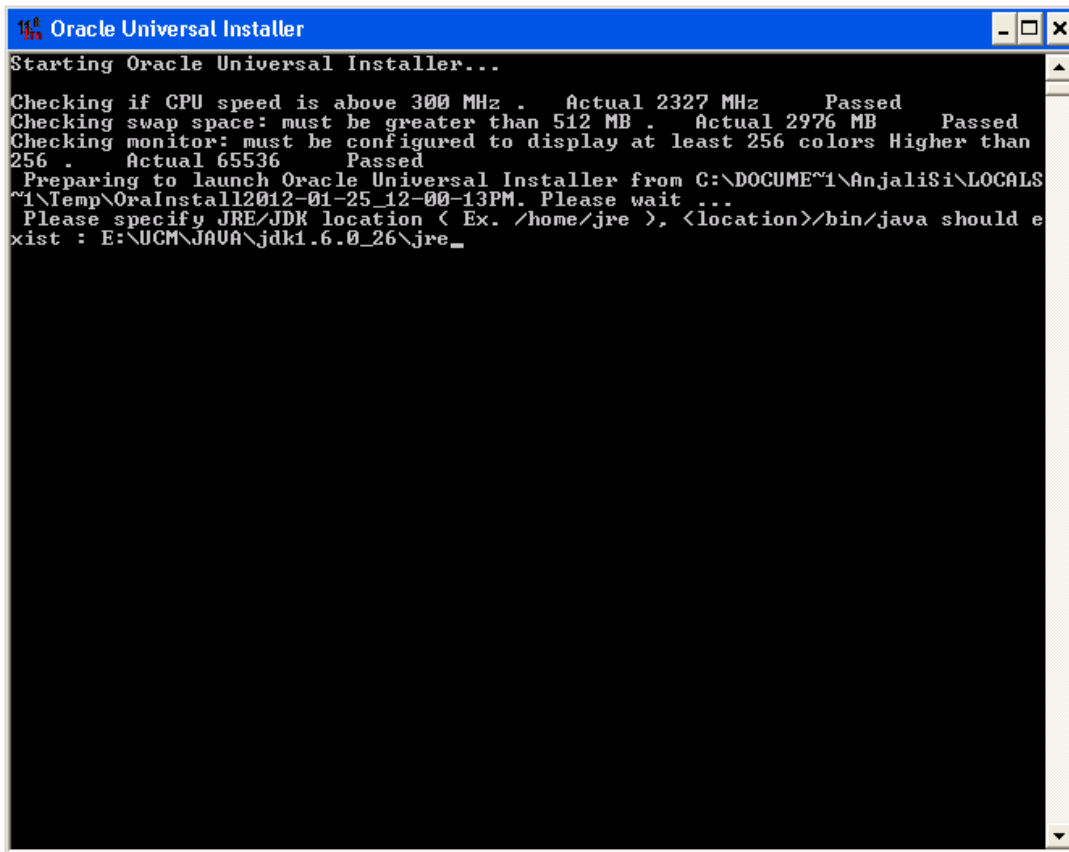
1. Download Oracle Webcenter Content 11gR1 (Version: 11.1.1.9.0), formerly known as (Oracle Enterprise Content Management) from

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

2. At the right top corner there is a search box, where searching for string <11.1.1.9.0>
3. Search for <Enterprise Content> in the result page and find a zip which is downloadable and download it
4. Extract all the files and Install them on the server machine.



5. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.7.0.80\jre.



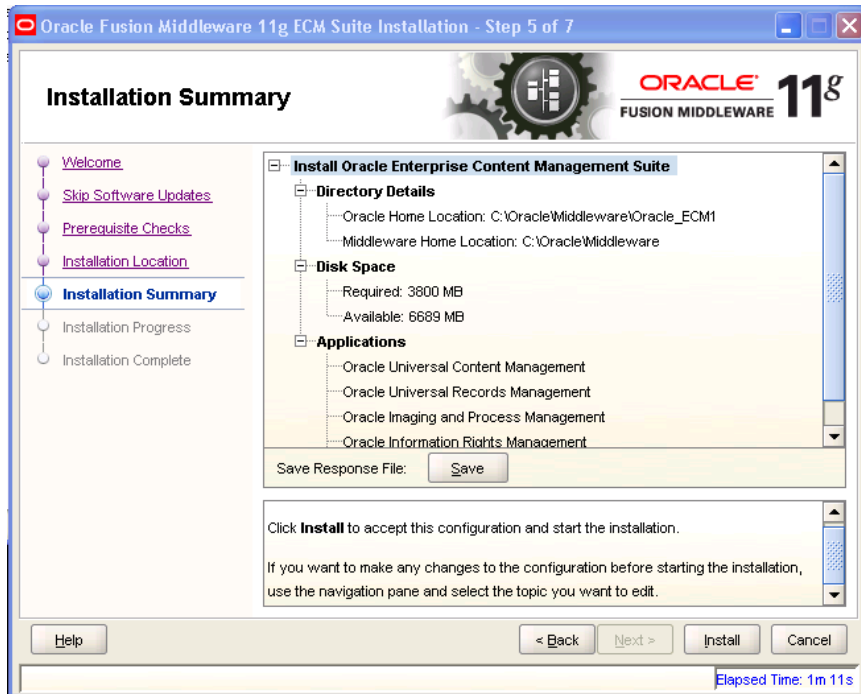
6. Click 'Next' to navigate to skip software updates

The screenshot shows the 'Install Software Updates' window. The title bar reads 'Oracle Fusion Middleware 11g ECM Suite Installation - Step 2 of 7'. The window has a sidebar on the left with a progress indicator showing steps: Welcome, Skip Software Updates (current), Prerequisite Checks, Installation Location, Installation Summary, Installation Progress, and Installation Complete. The main area contains three radio button options: 'Skip Software Updates' (selected), 'Search My Oracle Support for Updates', and 'Search Local Directory for Updates'. The 'Search My Oracle Support for Updates' option has fields for 'User Name' and 'Password', and buttons for 'Proxy Settings' and 'Test Connection'. The 'Search Local Directory for Updates' option has a 'Local Directory' field with a 'Browse' button and a 'Search For Updates' button. At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish', and 'Cancel'. The status bar at the bottom right shows 'Elapsed Time: 3m 8s'.

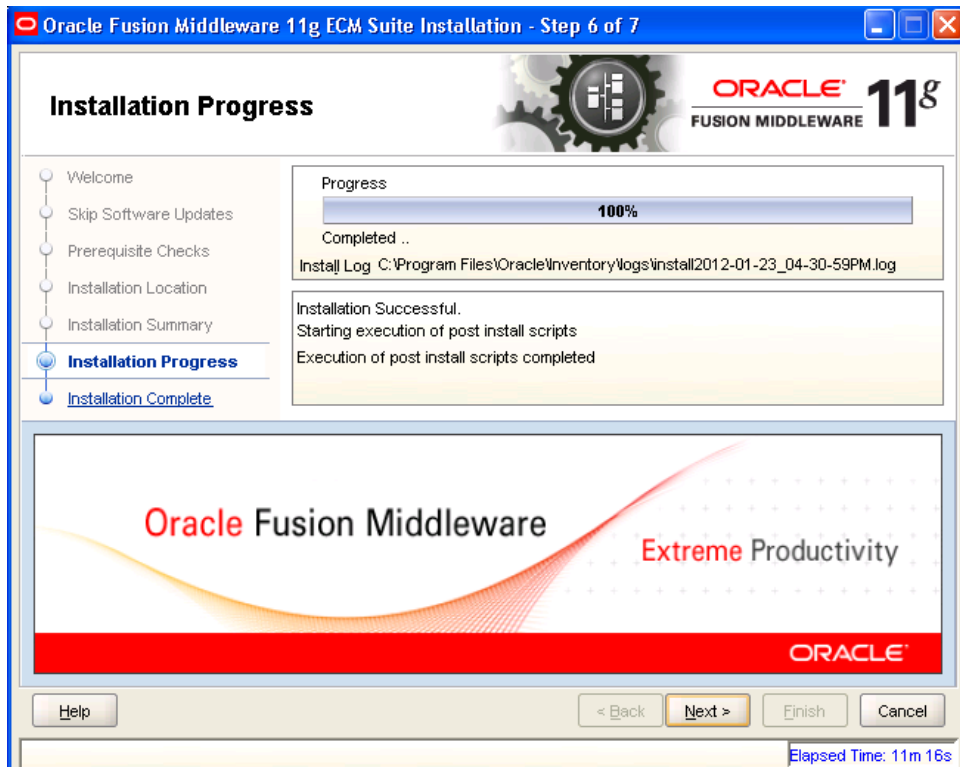
7. Click 'Next' to navigate to specify Installation Location.

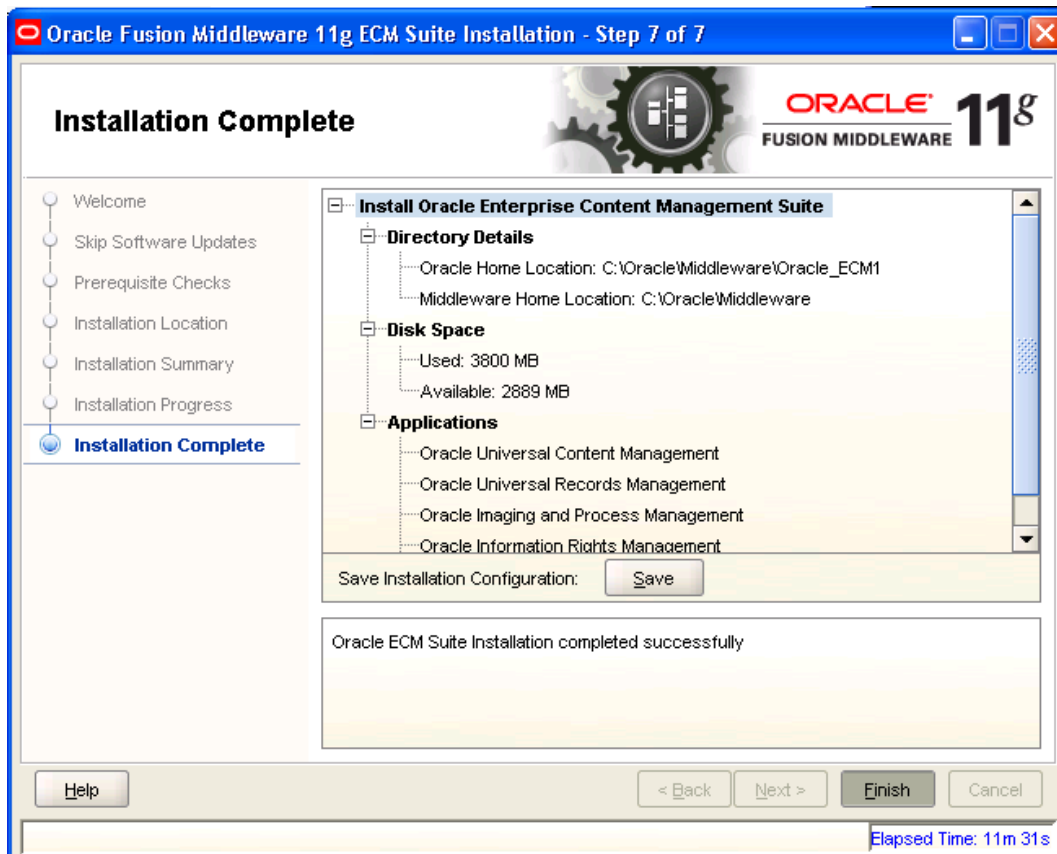
The screenshot shows the 'Specify Installation Location' window. The title bar reads 'Oracle Fusion Middleware 11g ECM Suite Installation - Step 4 of 7'. The window has a sidebar on the left with a progress indicator showing steps: Welcome, Skip Software Updates, Prerequisite Checks, Installation Location (current), Installation Summary, Installation Progress, and Installation Complete. The main area contains two fields: 'Oracle Middleware Home:' with a dropdown menu showing 'C:\bea_default' and a 'Browse' button, and 'Oracle Home Directory:' with a text box containing 'Oracle_ECM1'. Below these fields is a warning message: 'An Application Server must already be installed.' At the bottom, there are buttons for 'Help', '< Back', 'Next >', 'Finish', and 'Cancel'. The status bar at the bottom right shows 'Elapsed Time: 4m 8s'.

8. Specify your Oracle Middleware home directory path and click next. Oracle Middleware version should be 10.3.6.



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





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

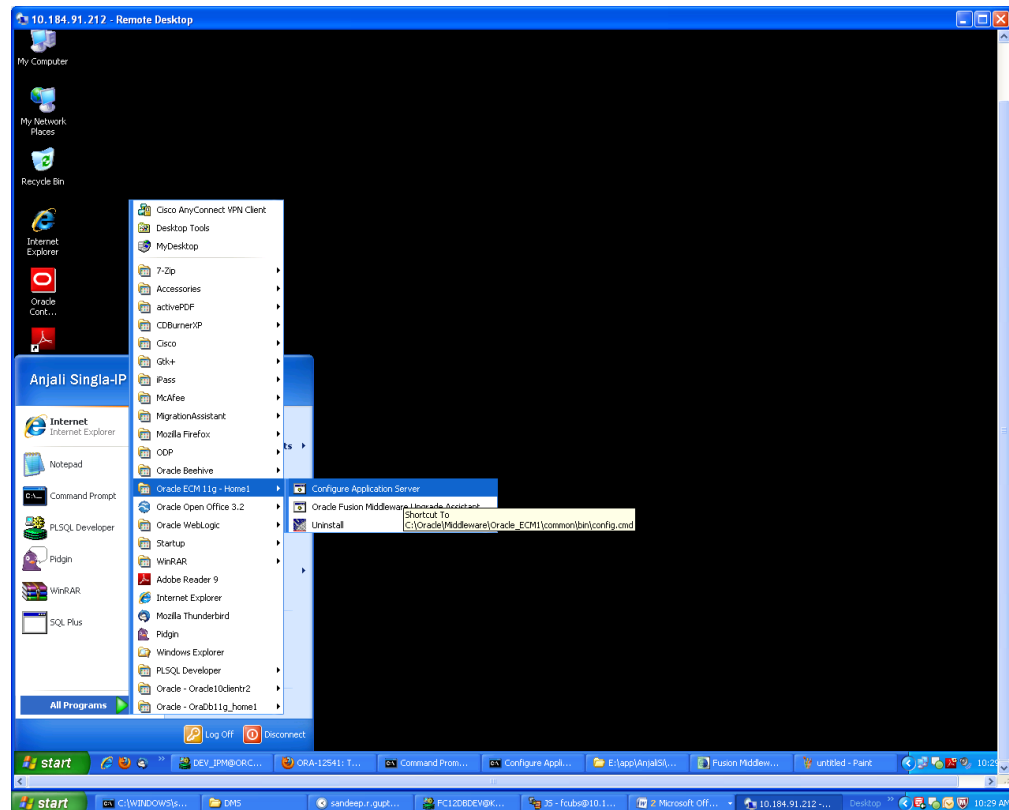
4. Configuring the ECM application server:

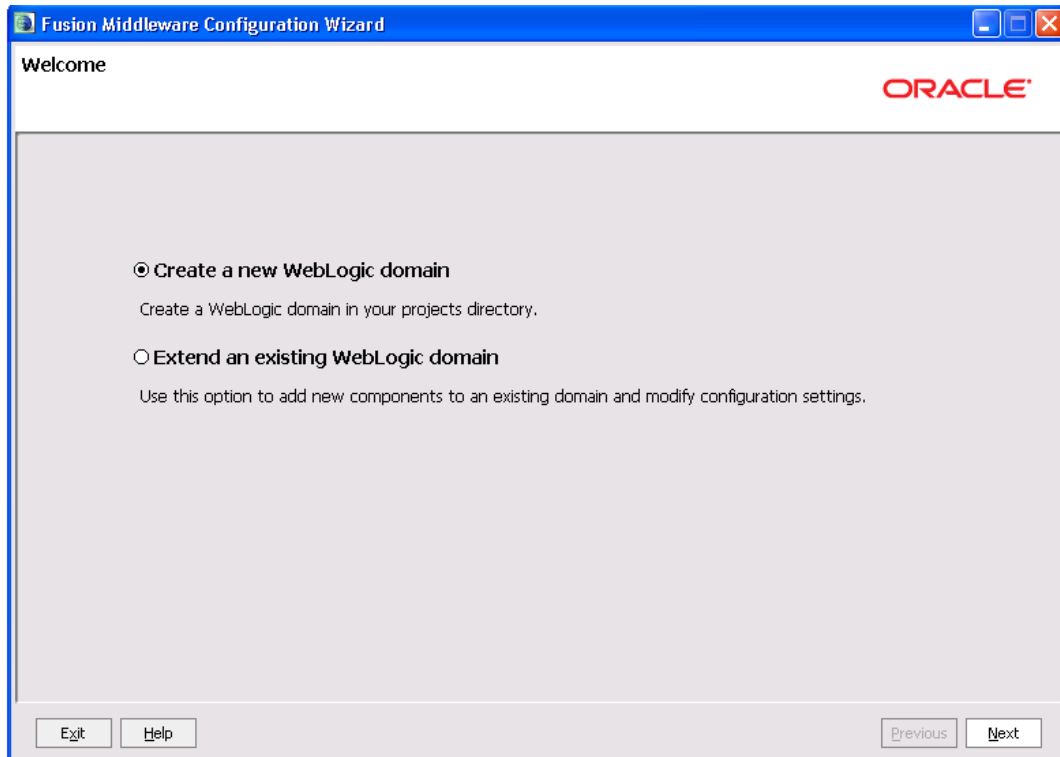
4.1 Introduction

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

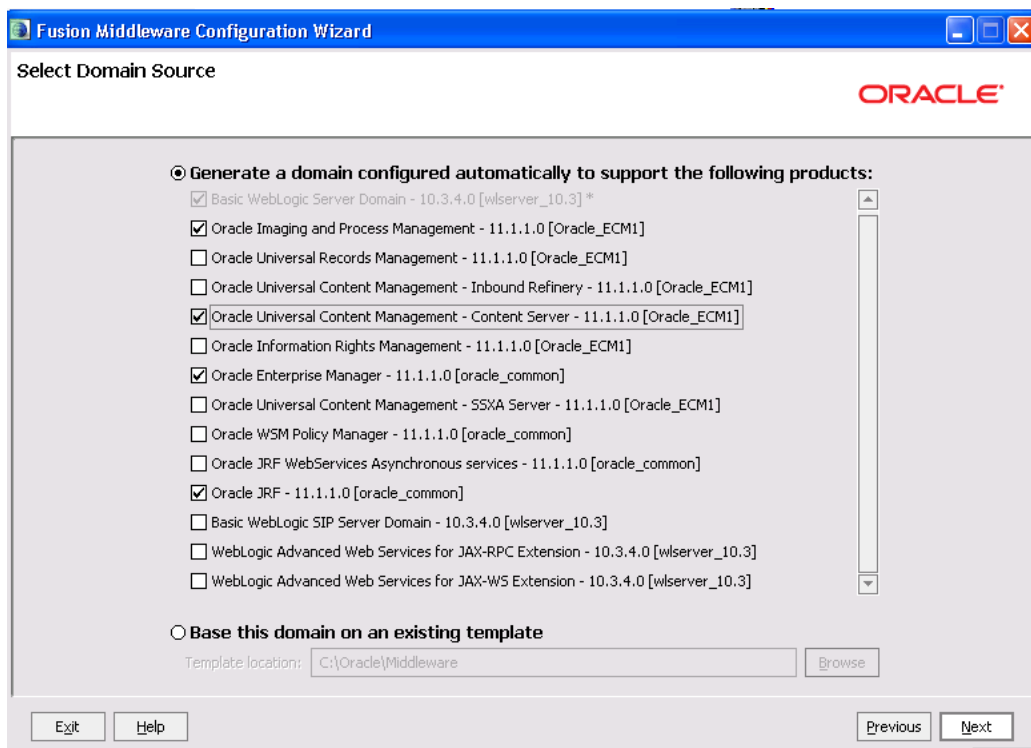
4.2 New Domain Configuration

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.

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:

Fusion Middleware Configuration Wizard

Configure Administrator User Name and Password

ORACLE

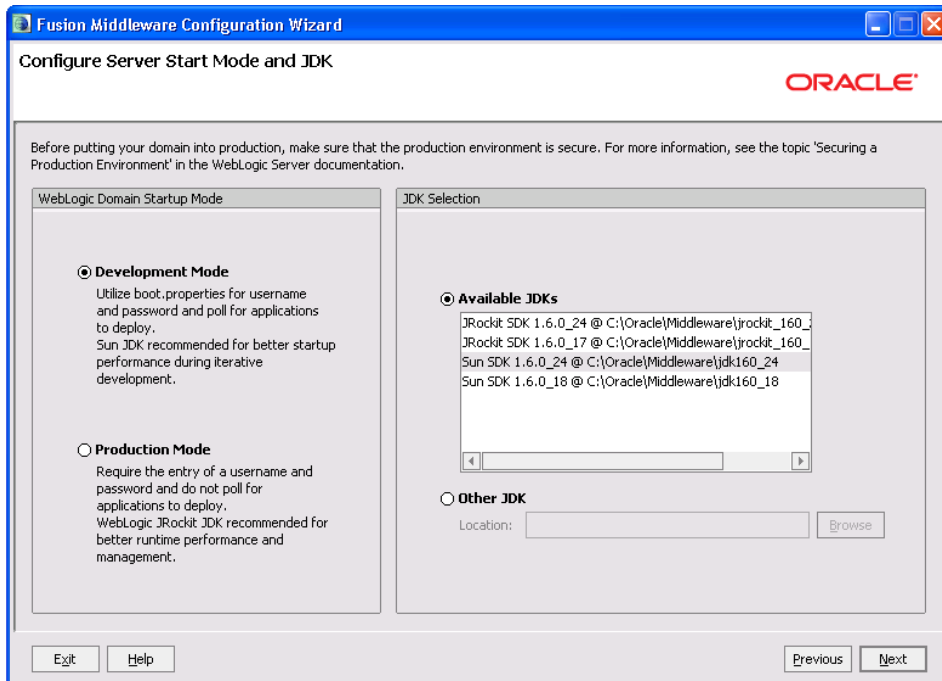
*Name:

*User password:

*Confirm user password:

Description:

4. Configure Administrator user / password.



The screenshot shows the 'Configure Server Start Mode and JDK' window of the Fusion Middleware Configuration Wizard. It features two main sections: 'WebLogic Domain Startup Mode' and 'JDK Selection'. The 'WebLogic Domain Startup Mode' section has two radio buttons: 'Development Mode' (selected) and 'Production Mode'. The 'JDK Selection' section has a radio button for 'Available JDKs' (selected) and a list of available JDKs. Below the list is a 'Browse' button for 'Other JDK'. The window includes 'Exit', 'Help', 'Previous', and 'Next' buttons.

WebLogic Domain Startup Mode

☒ **Development Mode**
Utilize boot.properties for username and password and poll for applications to deploy.
Sun JDK recommended for better startup performance during iterative development.

☐ **Production Mode**
Require the entry of a username and password and do not poll for applications to deploy.
WebLogic JRockit JDK recommended for better runtime performance and management.

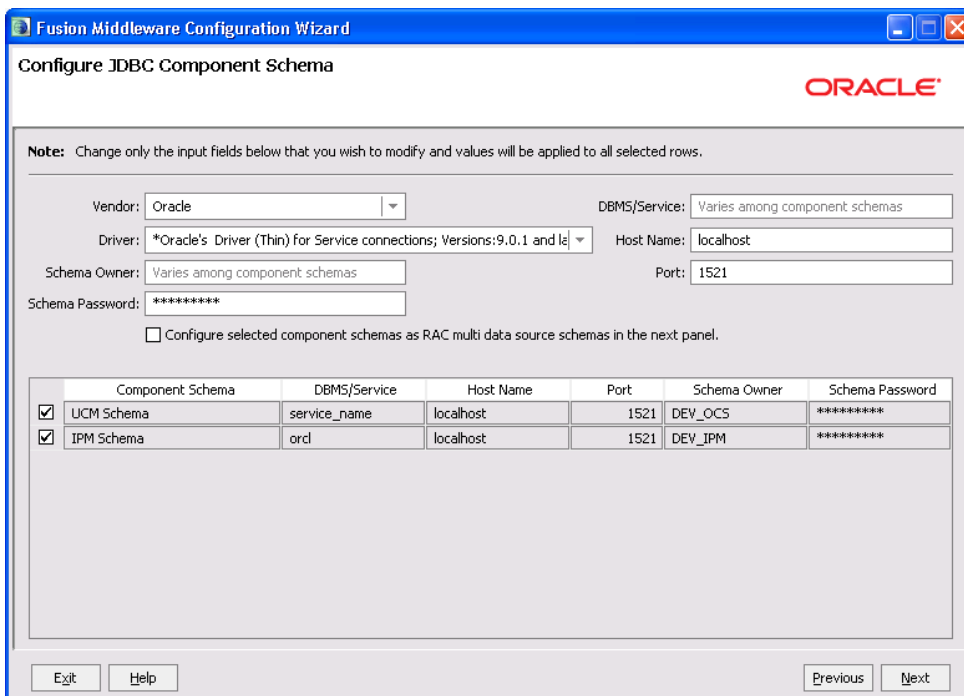
JDK Selection

☒ **Available JDKs**

- JRockit SDK 1.6.0_24 @ C:\Oracle\Middleware\jrockit_160_
- JRockit SDK 1.6.0_17 @ C:\Oracle\Middleware\jrockit_160_
- Sun SDK 1.6.0_24 @ C:\Oracle\Middleware\jdk160_24
- Sun SDK 1.6.0_18 @ C:\Oracle\Middleware\jdk160_18

☐ **Other JDK**
Location:

5. Select jdk depending on the startup mode.



The screenshot shows the 'Configure JDBC Component Schema' window of the Fusion Middleware Configuration Wizard. It includes a 'Note' at the top, followed by input fields for 'Vendor', 'DBMS/Service', 'Driver', 'Host Name', 'Schema Owner', 'Schema Password', and 'Port'. There is a checkbox for 'Configure selected component schemas as RAC multi data source schemas in the next panel.' Below these fields is a table with columns: 'Component Schema', 'DBMS/Service', 'Host Name', 'Port', 'Schema Owner', and 'Schema Password'. The table contains two rows: 'UCM Schema' and 'IPM Schema'. The window includes 'Exit', 'Help', 'Previous', and 'Next' buttons.

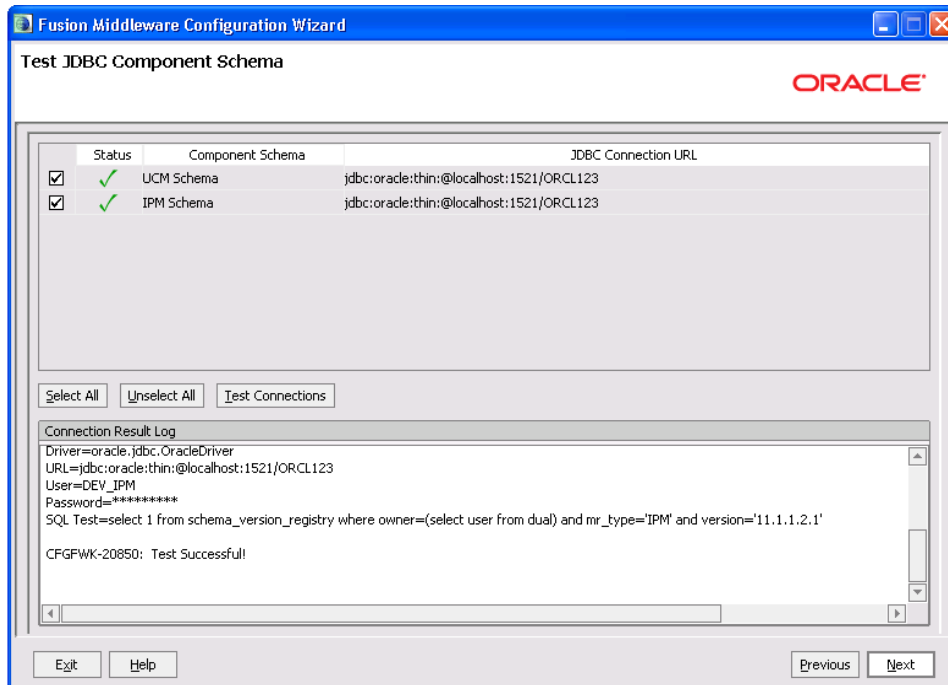
Note: Change only the input fields below that you wish to modify and values will be applied to all selected rows.

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.

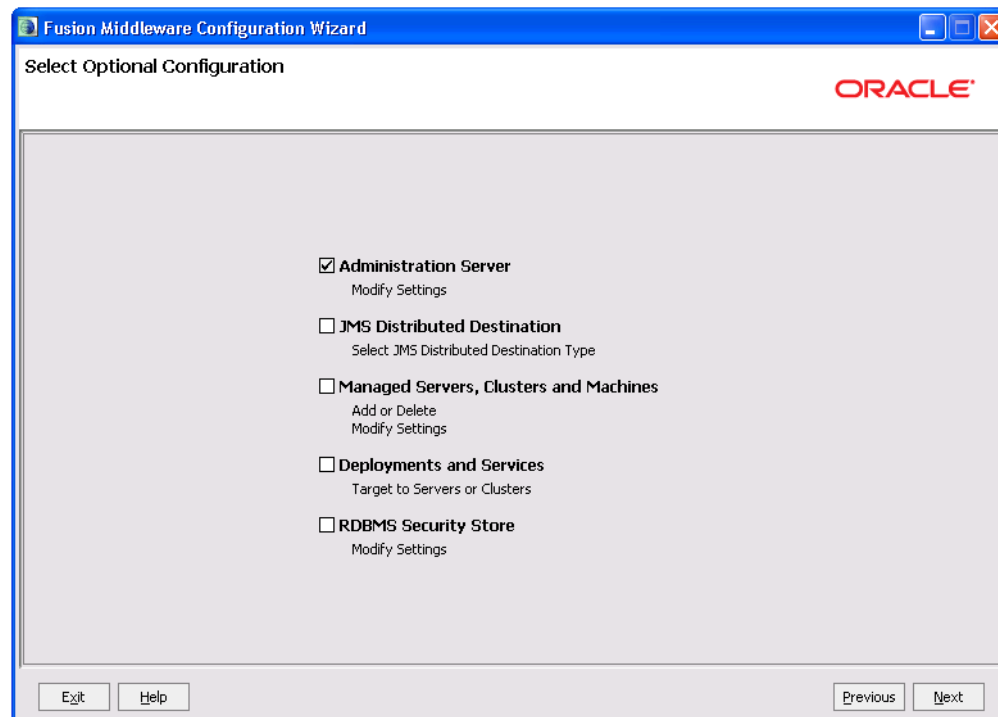
	Component Schema	DBMS/Service	Host Name	Port	Schema Owner	Schema Password
<input checked="" type="checkbox"/>	UCM Schema	service_name	localhost	1521	DEV_OCS	*****
<input checked="" type="checkbox"/>	IPM Schema	orcl	localhost	1521	DEV_IPM	*****

6. Provide the db parameters used during schema creation(RCU Utility)

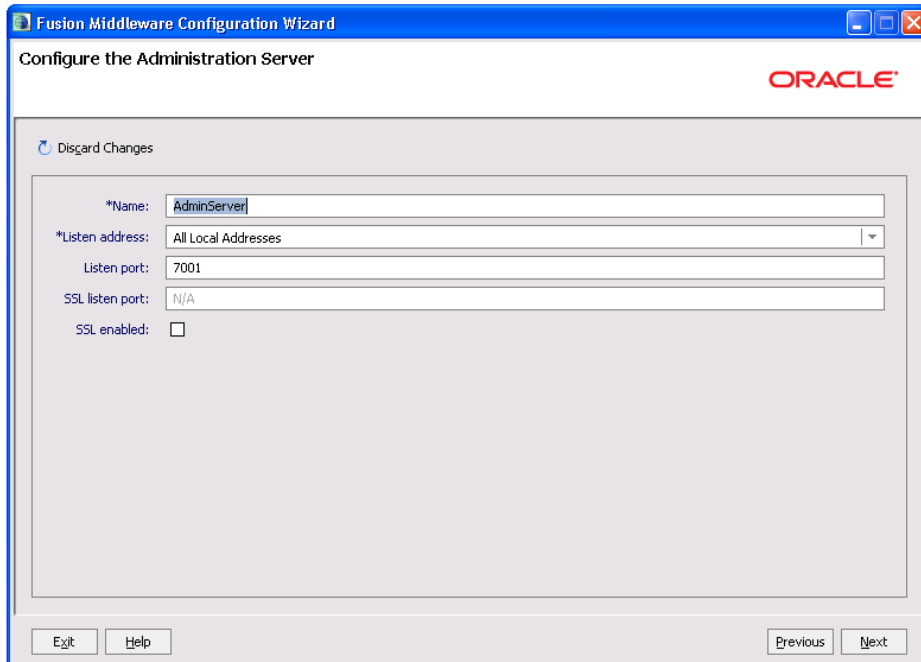
- Specify your hostname and schema password of both UCM and IPM schema. Also specify the correct DBMS/Service name.



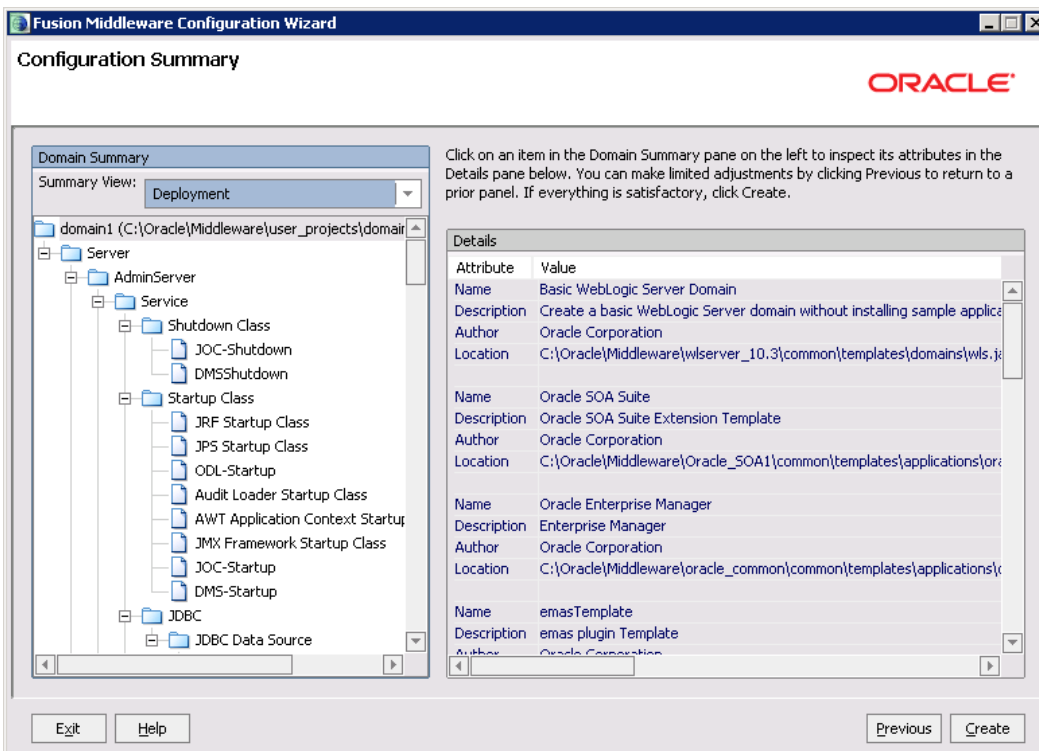
- Test the database connectivity

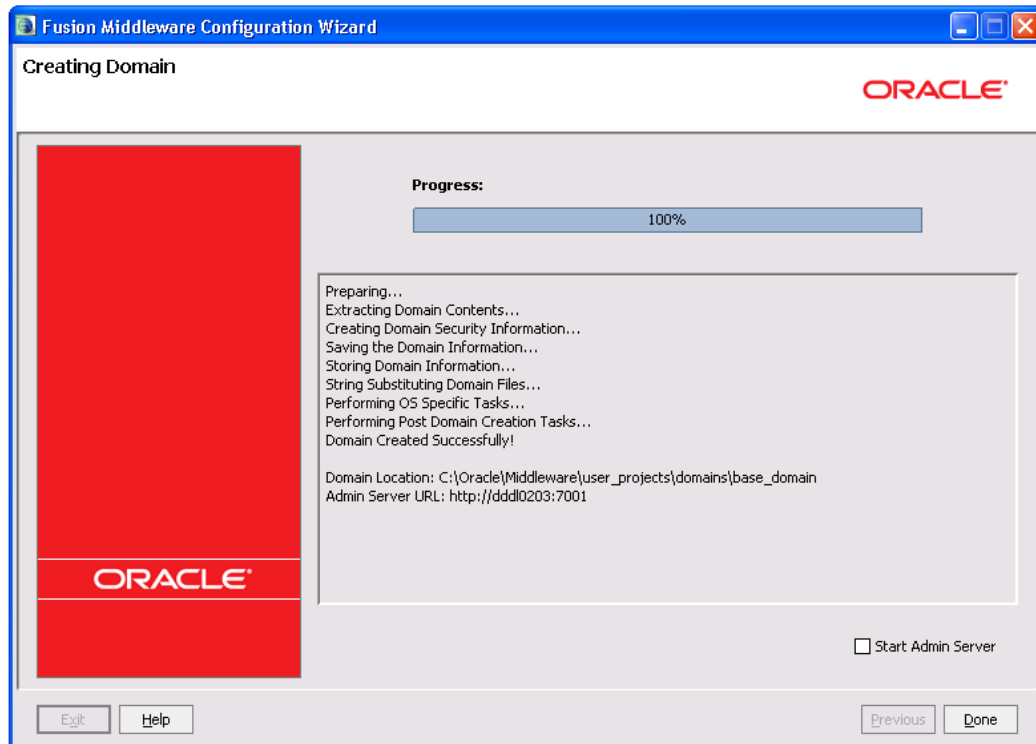


9. Select the Administration Server



10. Configure the admin server.



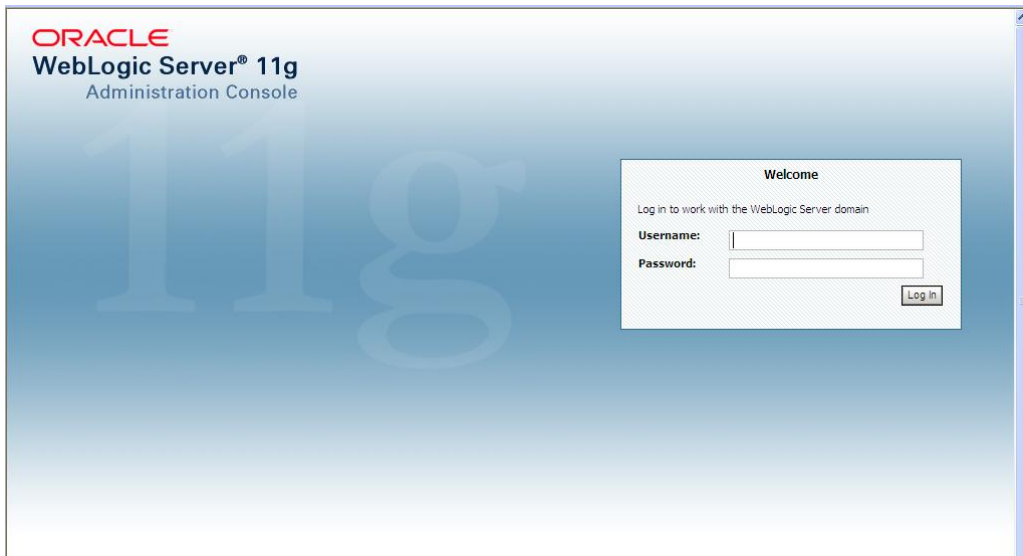


5. Checking the Deployment Summary

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>

Summary of Deployments

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

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
emai	Active		Library	100
emas	Active		Library	100
emxcore	Active		Library	100
PFMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
imaging	Active	OK	Enterprise Application	400
jstl(1.2,1.2.9.0)	Active		Library	100
jstl(1.2,1.2.0.1)	Active		Library	100
chwcdf(5,5.0)	Active		Library	100
chwcuf(5,5.0)	Active		Library	100
Oracle UCM Help	Active	OK	Web Application	225

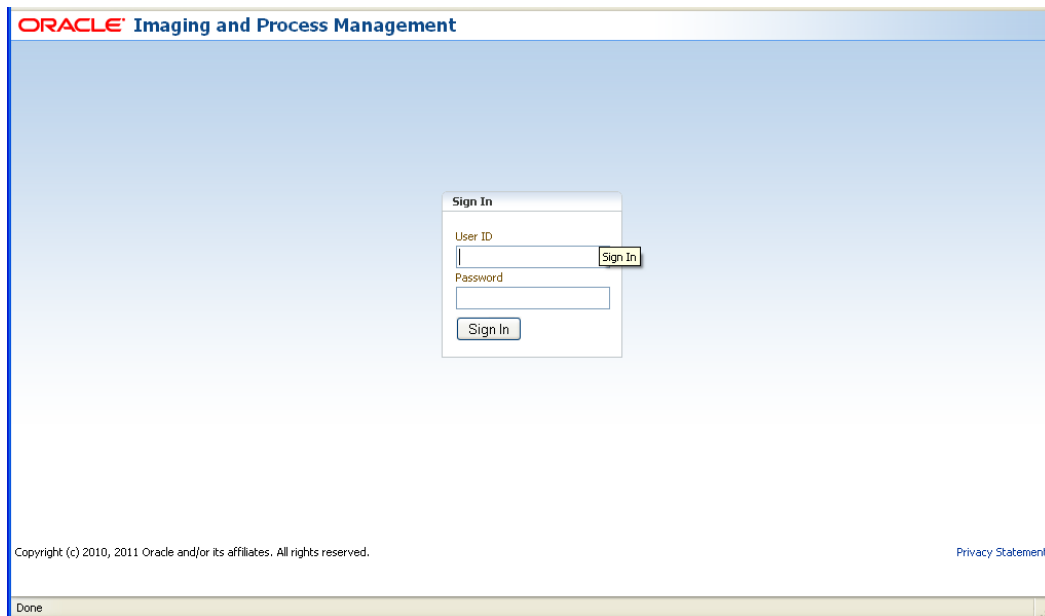
8. Imaging application should be up and running.

6. Creating FLEXCUBE Application

1. Open the Imaging application:

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

2. The following screen is displayed:



The screenshot shows the 'ORACLE Imaging and Process Management' web application. The main area is light blue. In the center, there is a 'Sign In' dialog box with the following elements:

- Title: Sign In
- User ID: A text input field with a 'Sign In' button to its right.
- Password: A text input field.
- Sign In: A button at the bottom of the dialog.

At the bottom of the main window, there is a footer with the text: 'Copyright (c) 2010, 2011 Oracle and/or its affiliates. All rights reserved.' and a link for 'Privacy Statement'. A status bar at the very bottom shows 'Done'.

3. Login to imaging application.
4. Enter username/password and press Login.
5. Click on Manage Connections
6. Click on Create Content Server Connection

ORACLE® Imaging and Process Management

Logged in as userbloot1 | 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:

Description:

Connection Type: Content Server Repository

Cancel Back Next Submit

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

ORACLE® Imaging and Process Management

Logged in as userbloot1 | Help | Refresh | Preferences | Logout | About

Basic Information | Content Server Settings | Security | Review Settings

Create Connection: Connection Settings

Configure the Content Server repository specific settings.

SSL: ☐

Use Local Content Server: ☒

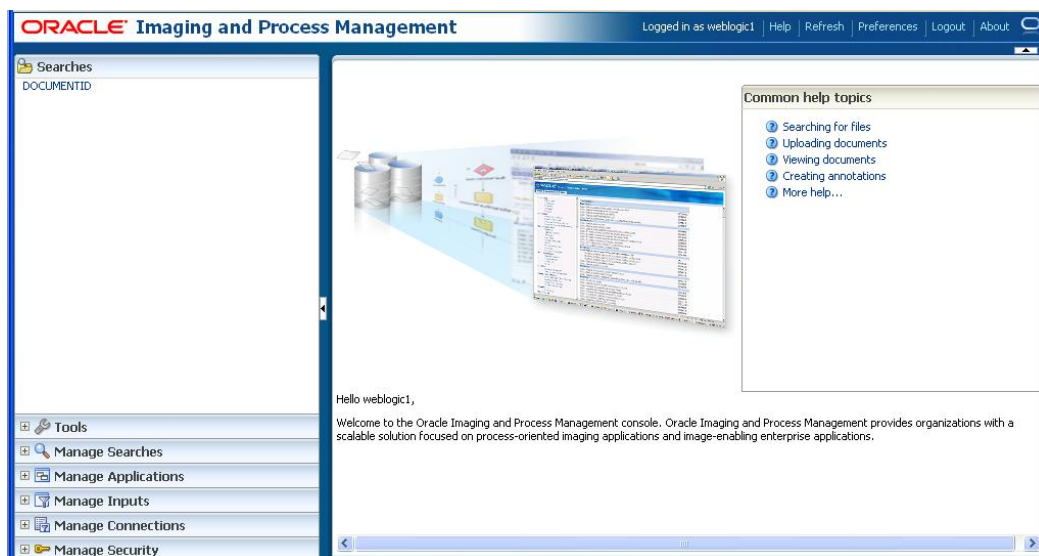
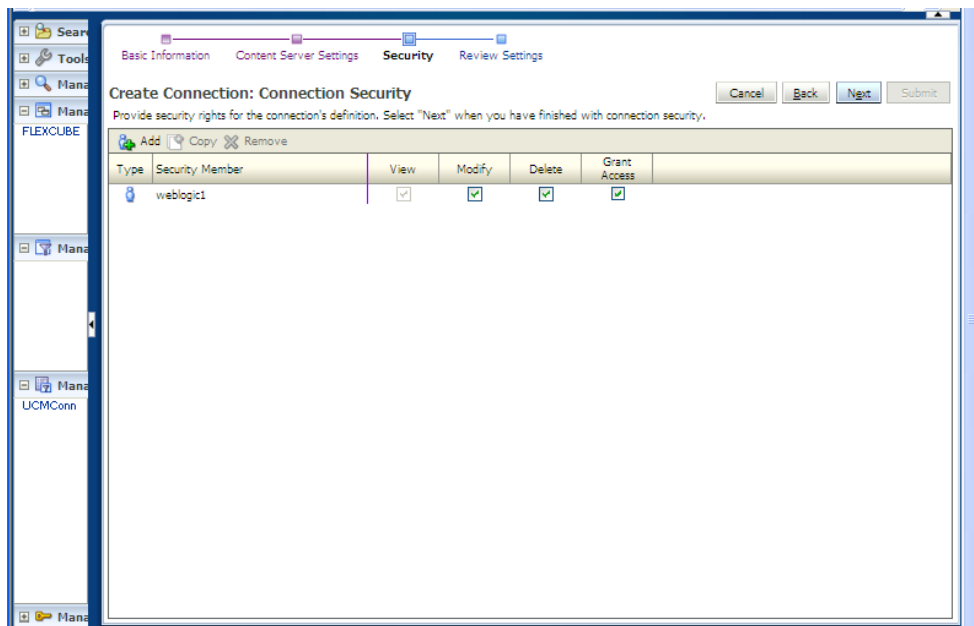
Server Port:

Content Server Pool

Machine	Server Port
No Machines Defined	

Cancel Back Next Submit

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



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

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 Cancel Back Next Submit

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: ☐

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

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

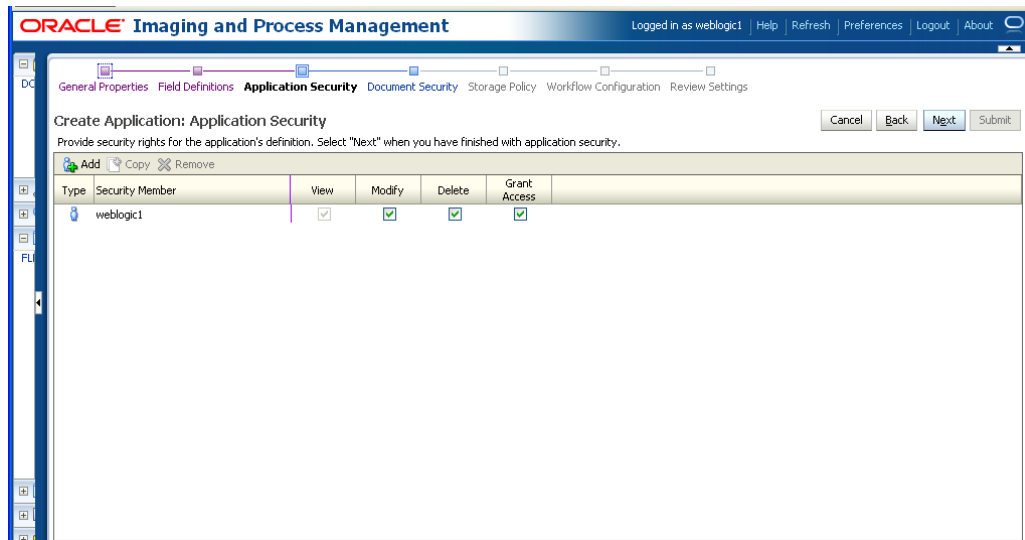
General Properties | **Field Definitions** | Application Security | Document Security | Storage Policy | Workflow Configuration | Review Settings

Create Application: Field Definitions Cancel Back Next Submit

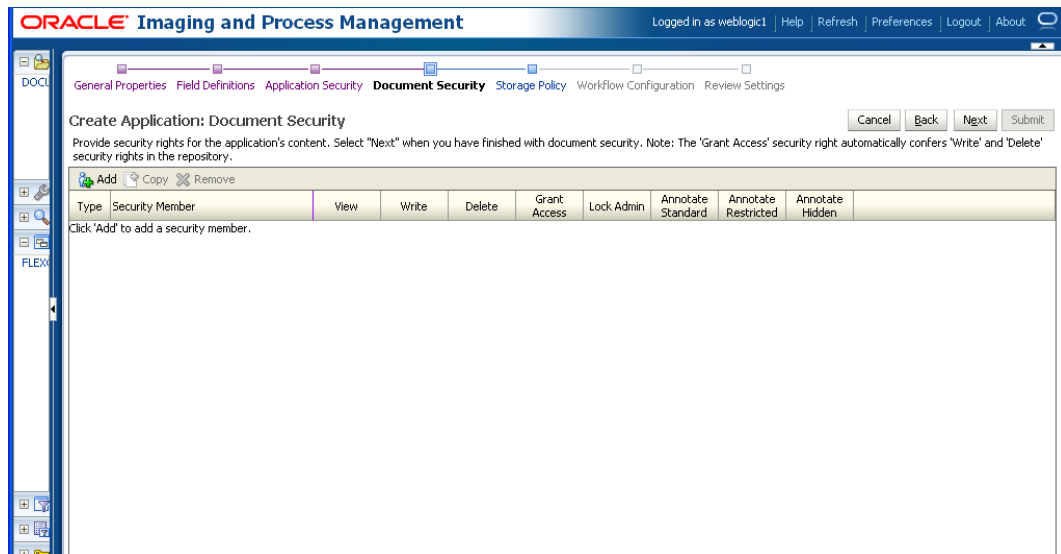
Provide field definitions for the application's content. Select "Next" when you have finished with field definitions.

+ Add - Remove

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



10. Click on next



11. Add security member giving all rights

12. Click on next .

13. Application Summary appears as:

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

FLEXCUBE: Application Summary | Modify | Delete | Close

General Properties

- Application Id: 2
- Application Name: FLEXCUBE
- Description: FLEXCUBE
- Repository: UCMConn
- Full-Text Search: ☐

Field Definitions

Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Name	80			✓		

Application Security

Type	Security Member	View	Modify	Delete	Grant Access
	weblogic1	✓	✓	✓	✓

Document Security

Type	Security Member	View	Write	Delete	Grant Access	Lock Admin	Annotate Standard	Annot Restrict
	AdminChannelUsers	✓	✓	✓	✓	✓	✓	✓
	Administrators	✓	✓	✓	✓	✓	✓	✓
	AppTesters	✓	✓	✓	✓	✓	✓	✓
	CrossDomainConnectors	✓	✓	✓	✓	✓	✓	✓

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

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

Create Search: Properties | Cancel | Back | Next | Submit

Enter a name for this search. You may also enter a description of the search for other administrators in the Description field.

* Search Name: DOCUMENTID

Description: Document Id based Search

Instructions:

Maximum Search Results: 0

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

[illegible]

The following screen appears after creation:

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 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	Begins With	Parameter - Document Created By		

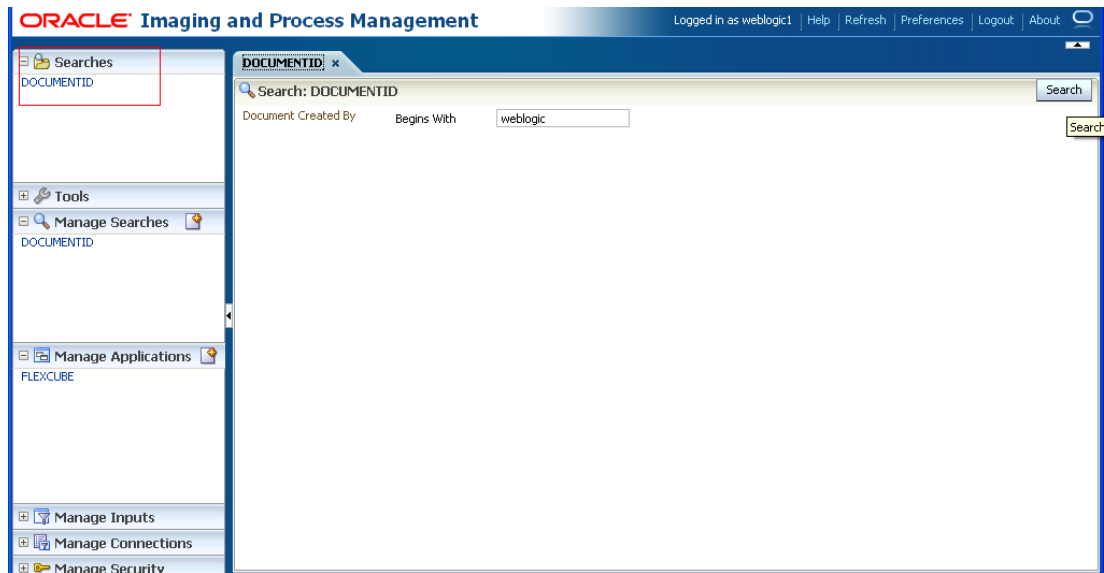
Parameters

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

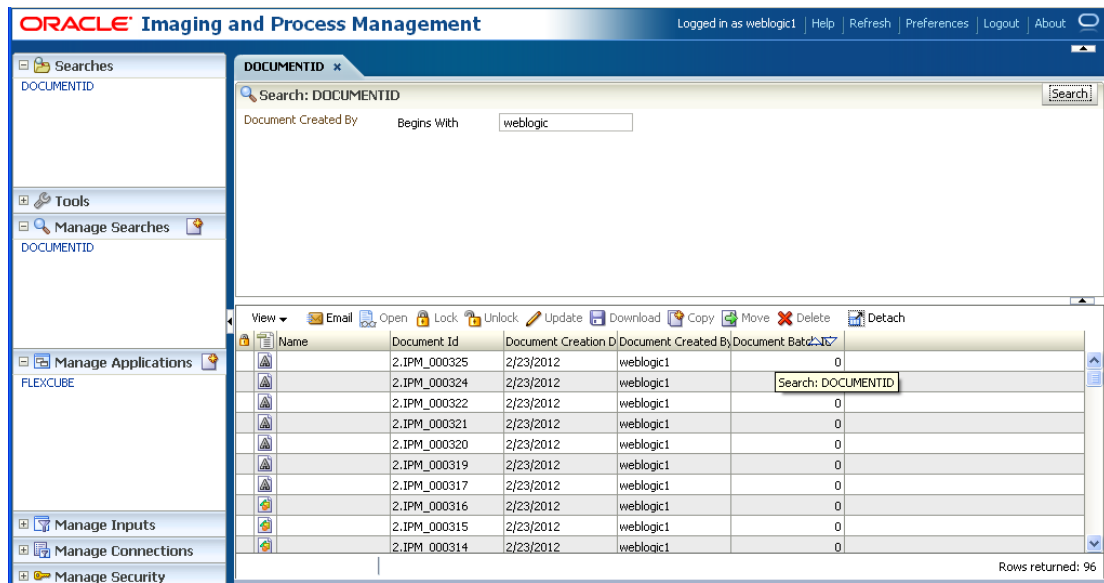
Security

Type	Security Member	View	Modify	Delete	Grant

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.





UCM Server Setup
[September] [2016]
Version 12.3.0.0.0

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

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

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