

UCM Server Setup
Oracle FLEXCUBE Investor Servicing
Release 14.5.0.0.0
[May] [2021]



Table of Contents

1. INTRODUCTION	1-1
1.1 BACKGROUND	1-1
1.2 ORGANIZATION OF THE DOCUMENT	1-1
1.3 ACRONYMS AND ABBREVIATIONS	1-1
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 ORACLE 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 (10.3.6)

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

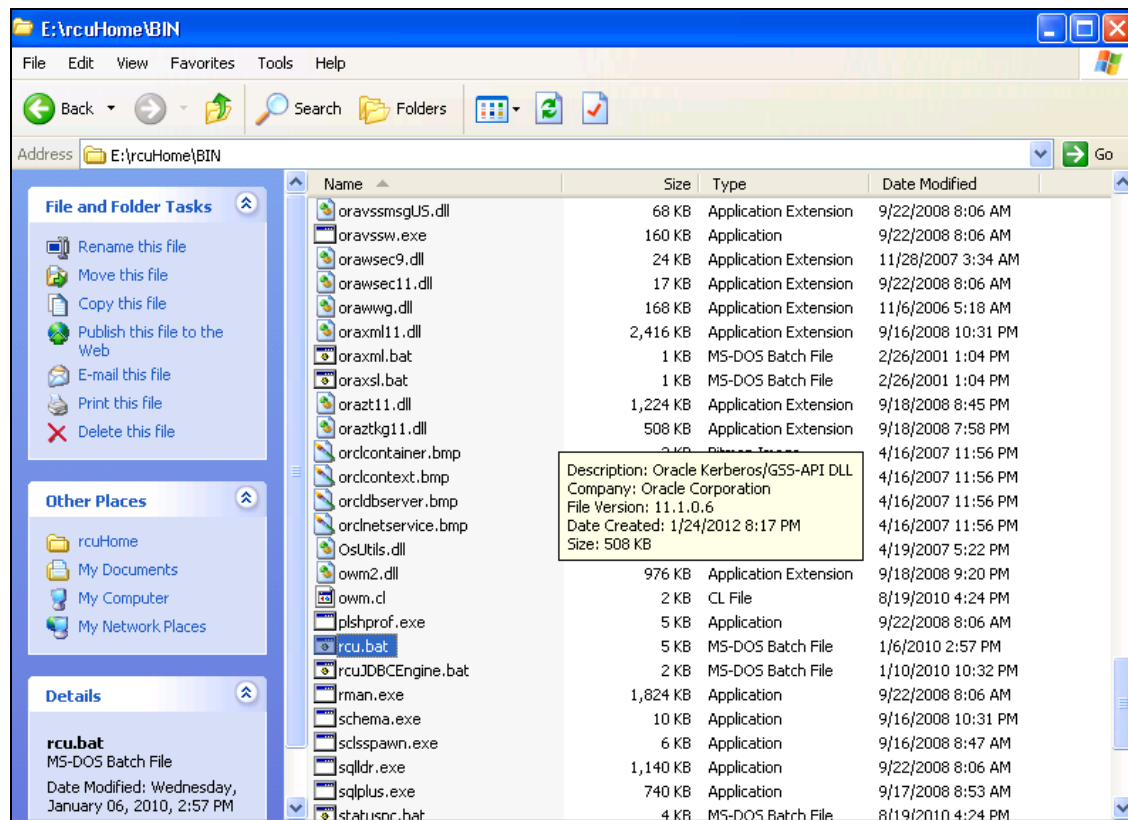
Oracle Repository Creation Utility (RCU) is used to create schemas that are required for UCM server Installation.

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

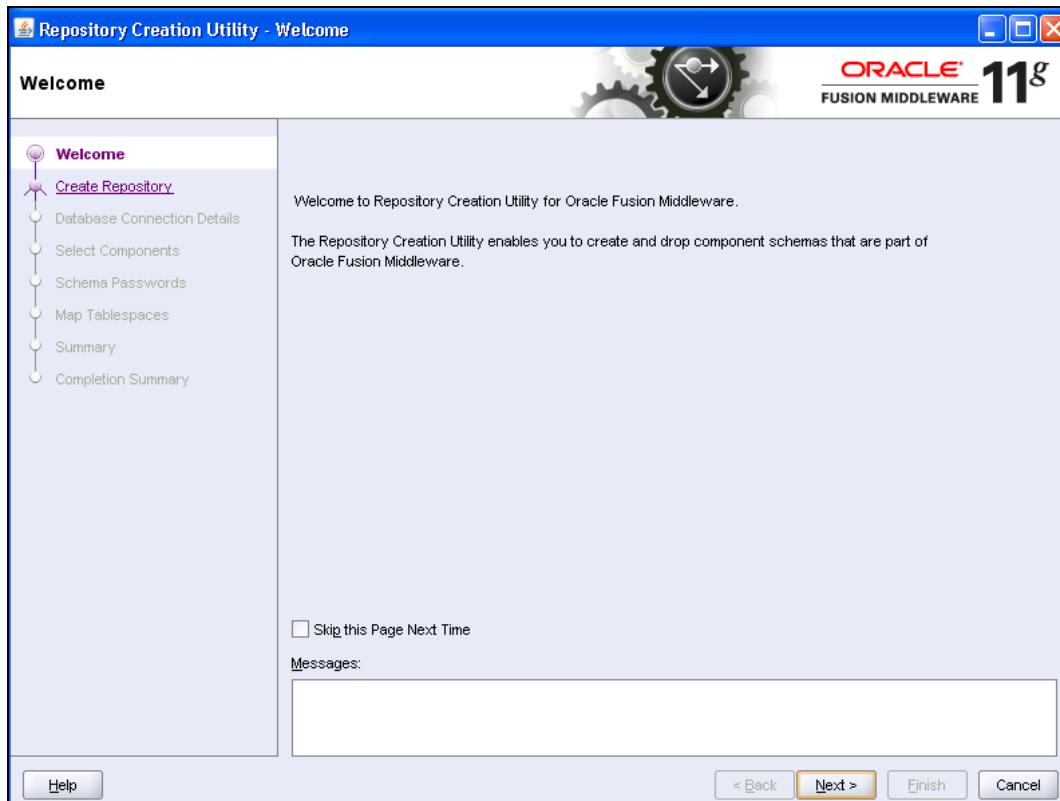
<rcu_home>\BIN

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 1 of 7 : Create Repository

ORACLE 11g FUSION MIDDLEWARE

Create Repository

Welcome

Create Repository

Database Connection Details

Select Components

Schema Passwords

Map Tablespaces

Summary

Completion Summary

Create

Create and load component schemas into a database.

Drop

Remove component schemas from a database.

Messages:

Help

< Back Next > Finish Cancel

Repository Creation Utility - Step 2 of 7 : Database Connection Details

ORACLE 11g FUSION MIDDLEWARE

Database Connection Details

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.

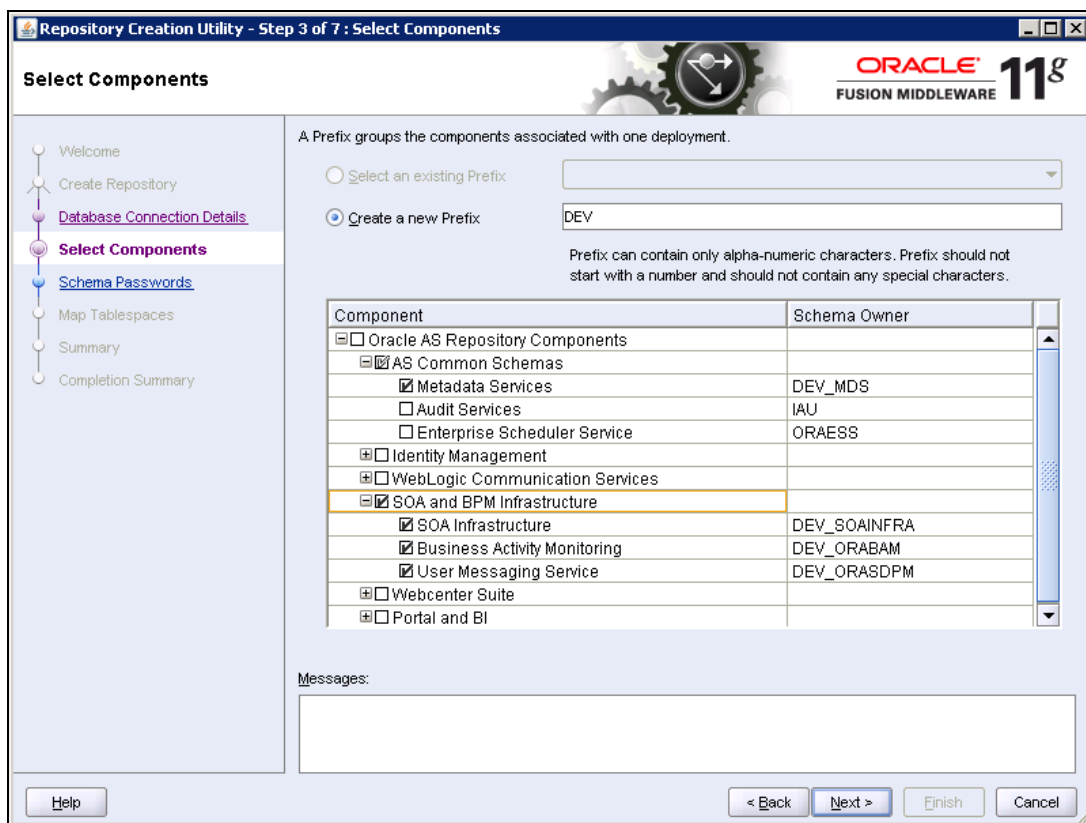
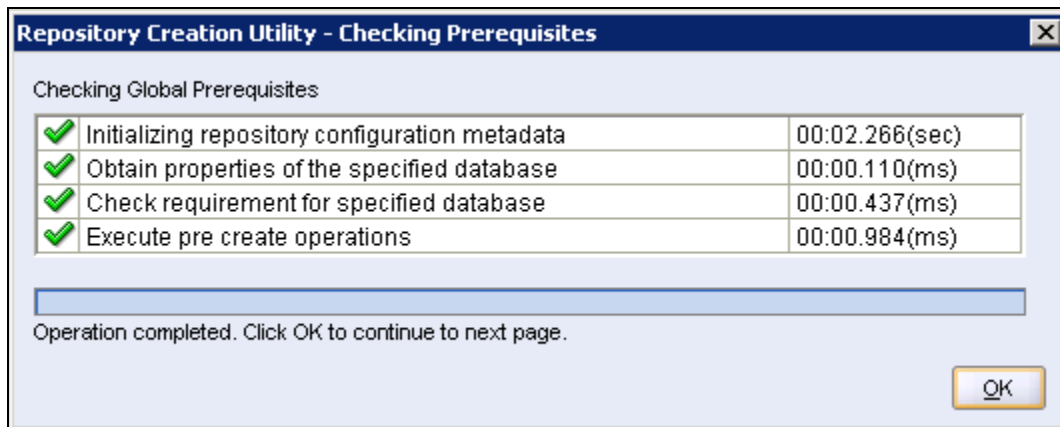
Messages:

Help

< Back Next > Finish Cancel

5. Provide oracle database connection properties

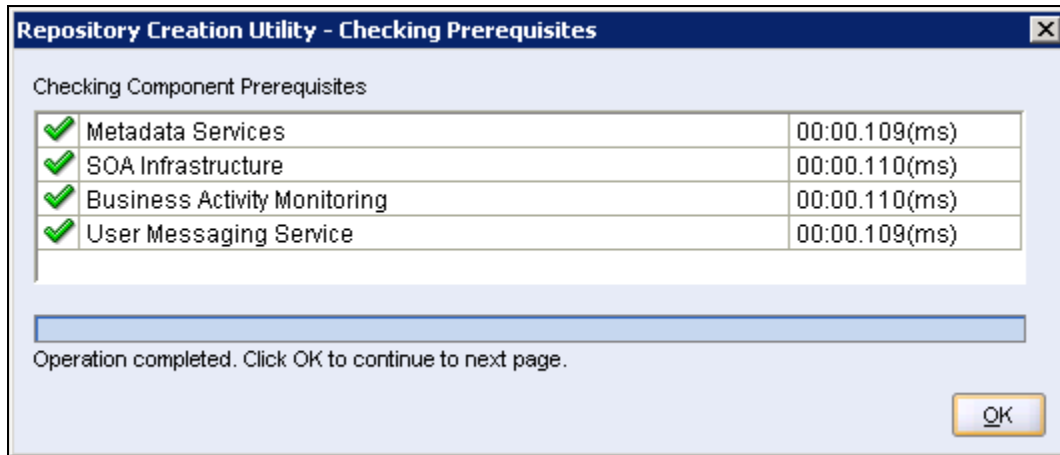
6. SYS credentials are required.



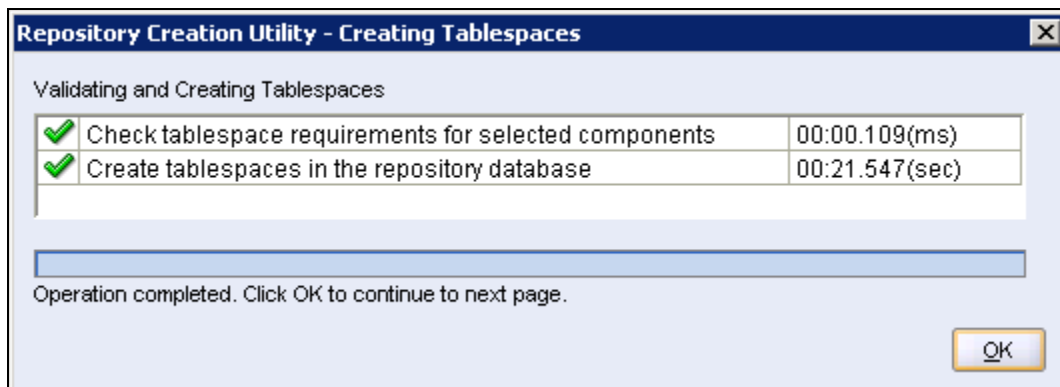
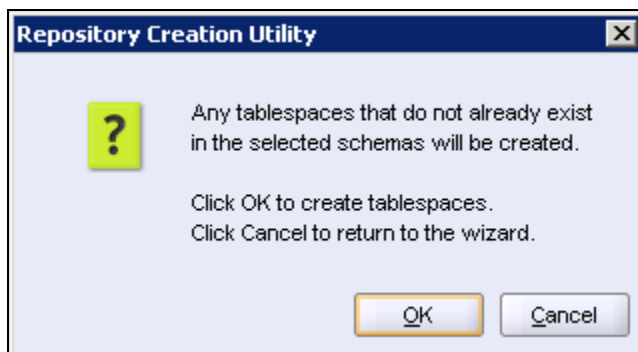
7. The prefix option is provided so that multiple soa schemas can be in the same instance.

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.

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

Buttons: Help, < Back, Next >, Create, Cancel

11. Summary

Repository Creation Utility - Step 7 of 7: Completion Summary

Completion Summary

Database details:

Host Name: localhost
Port: 1521
Service Name: ORCL123
Connected As: sys
Operation: Create
RCU Logfile: E:\rcuHome\rcu\log\logdir.2012-03-05_11-57\rcu.log
Component Log Directory: E:\rcuHome\rcu\log\logdir.2012-03-05_11-57
Execution Time: 37 seconds
Prefix for (prefixable) Schema Owners:DEV11

Component	Status	Logfile	Time
Oracle Content Server 11g - Complete	Success	contentserver11.log	00:08.229(sec)
Oracle Content Server 11g - Search Only	Success	contentserver11search.log	00:00.983(ms)
Oracle Imaging and Process Management	Success	ipm.log	00:01.953(sec)

Buttons: Help, < Back, Next >, Create, Close

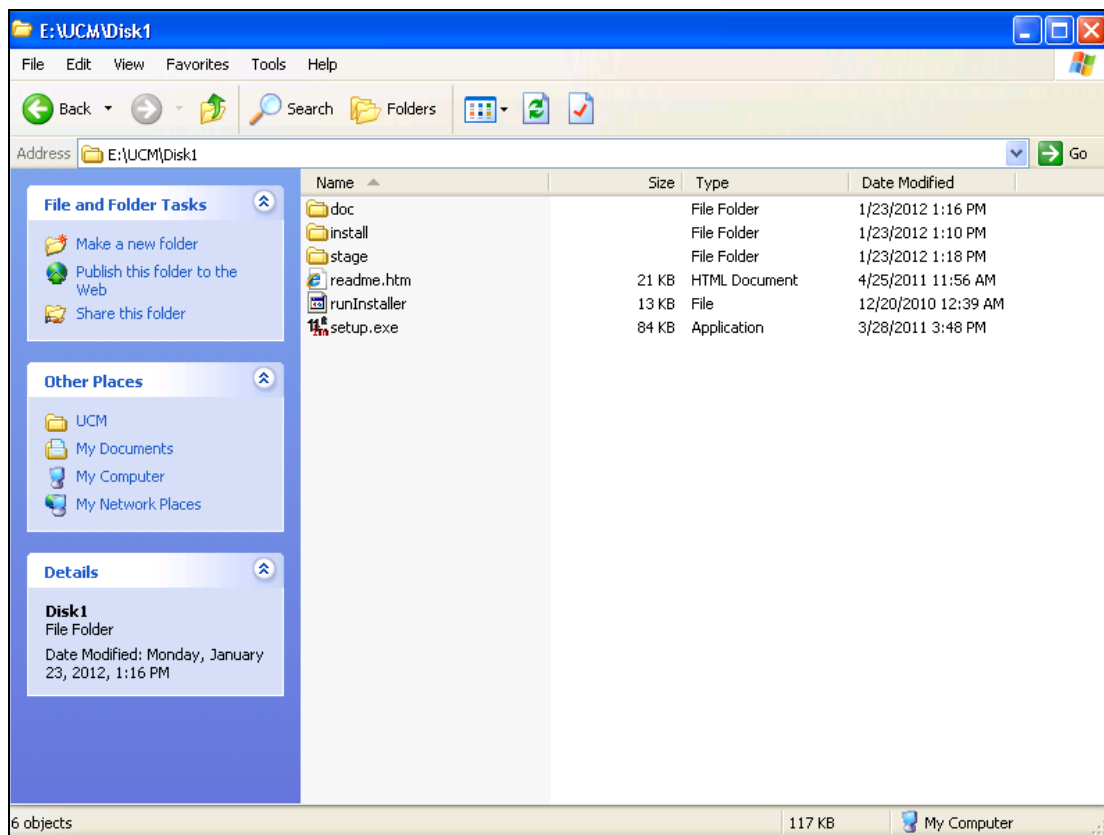
12. Completion Summary.

3. UCM Server Setup

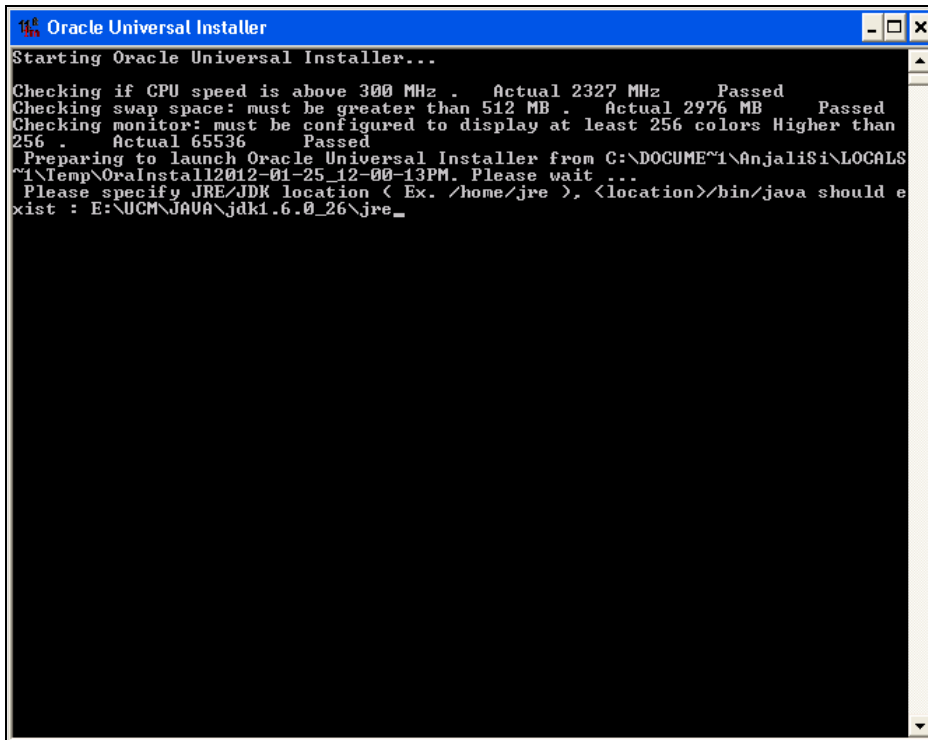
1. Download Oracle Webcenter Content 11gR1 (Version: 11.1.1.9.0), formerly known as (Oracle Enterprise Content Management) from

<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.

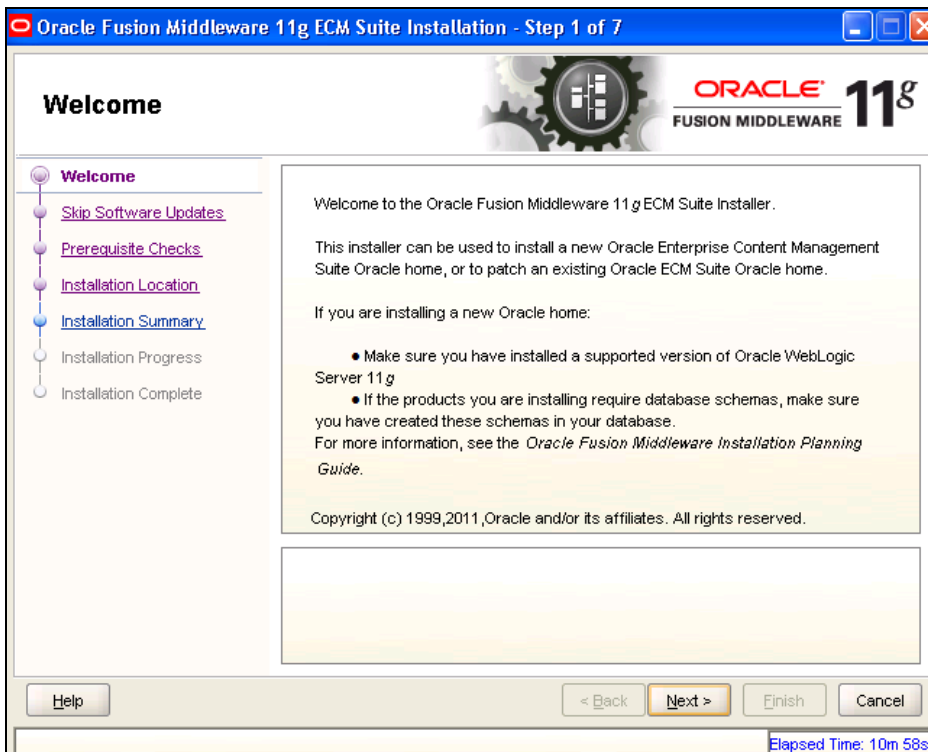


5. Click on Setup.exe available in Disk1. It will ask you for a JRE location. Specify the location as E:\UCM\JAVA\jdk1.7.0.80\jre.

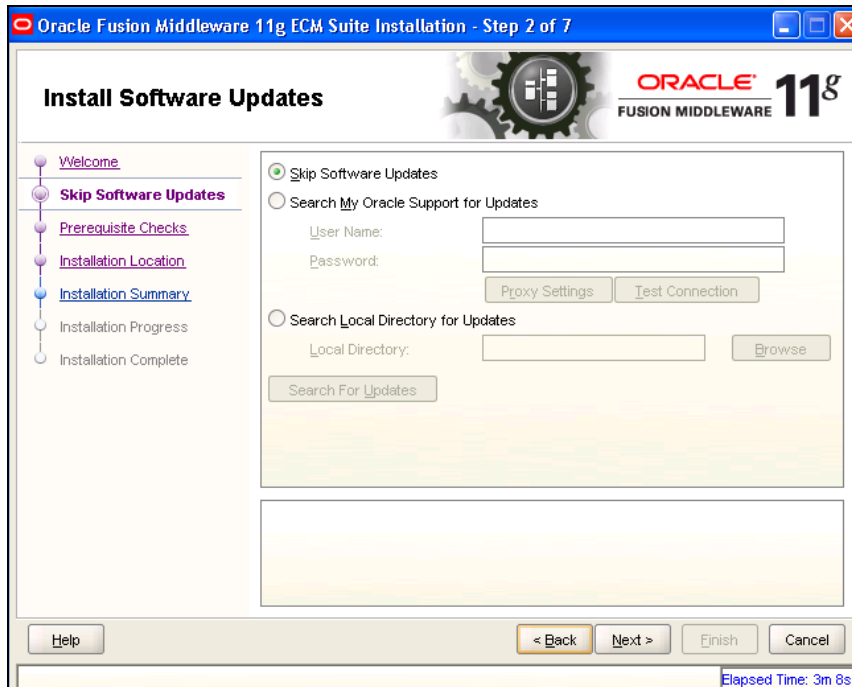


```
Oracle Universal Installer
Starting Oracle Universal Installer...

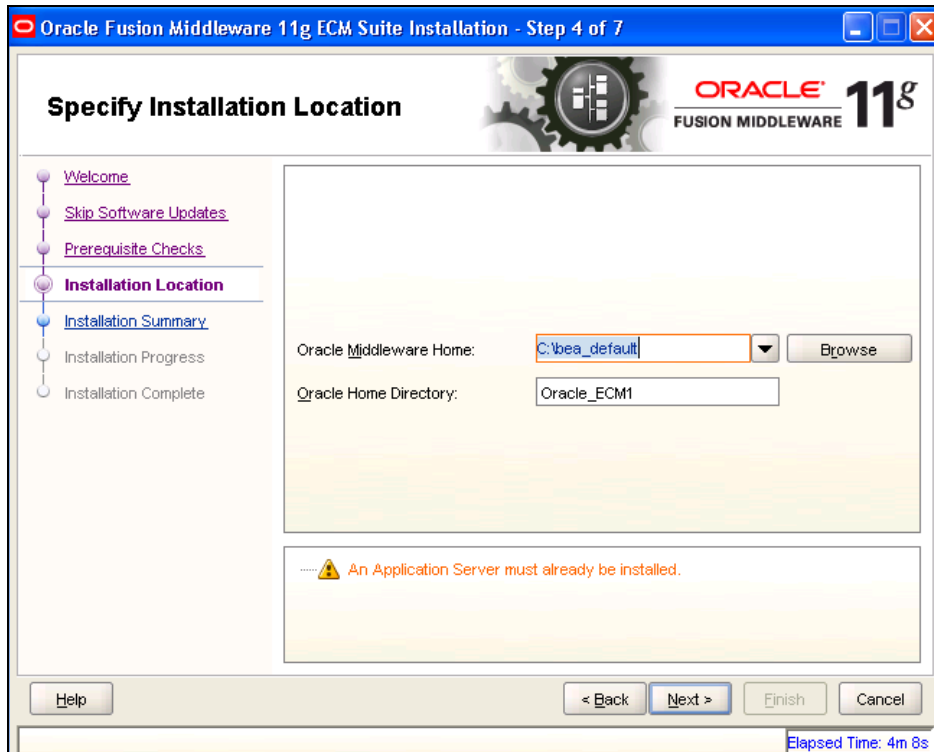
Checking if CPU speed is above 300 MHz . Actual 2327 MHz Passed
Checking swap space: must be greater than 512 MB . Actual 2976 MB Passed
Checking monitor: must be configured to display at least 256 colors Higher than
256 . Actual 65536 Passed
Preparing to launch Oracle Universal Installer from C:\DOCUMENT~1\AnjaliSi\LOCALS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



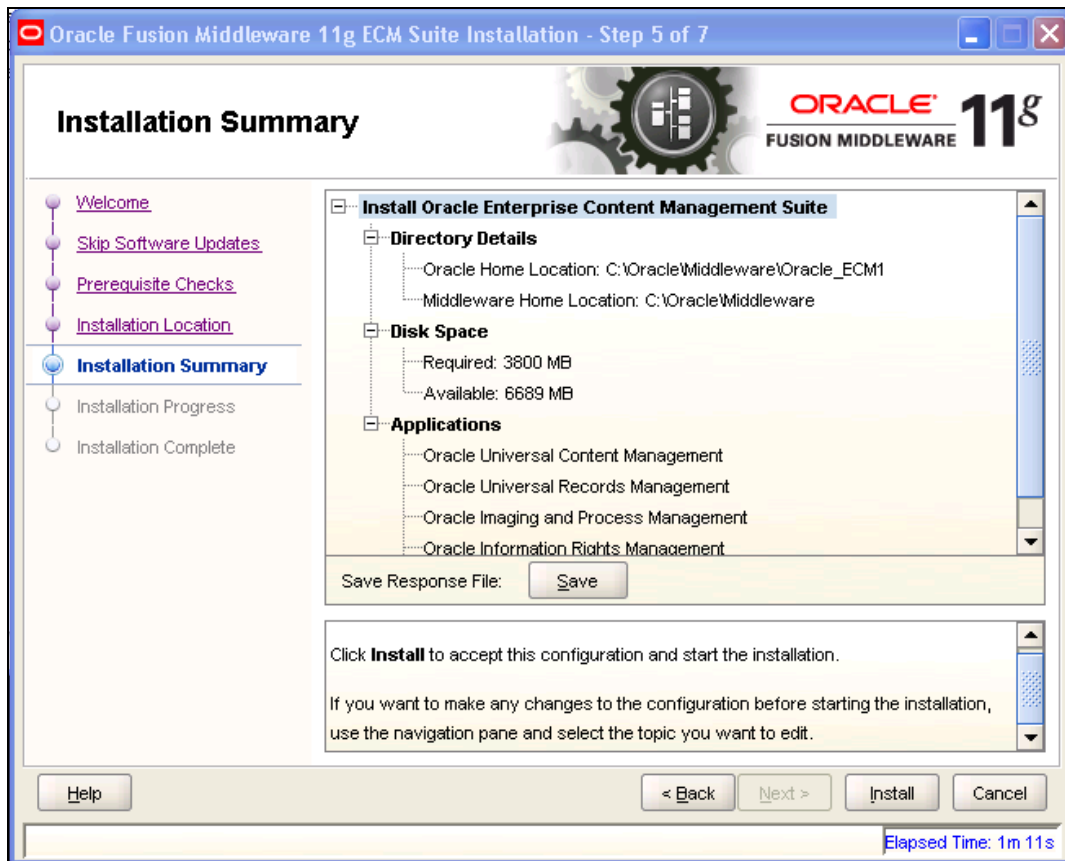
6. Click 'Next' to navigate to skip software updates



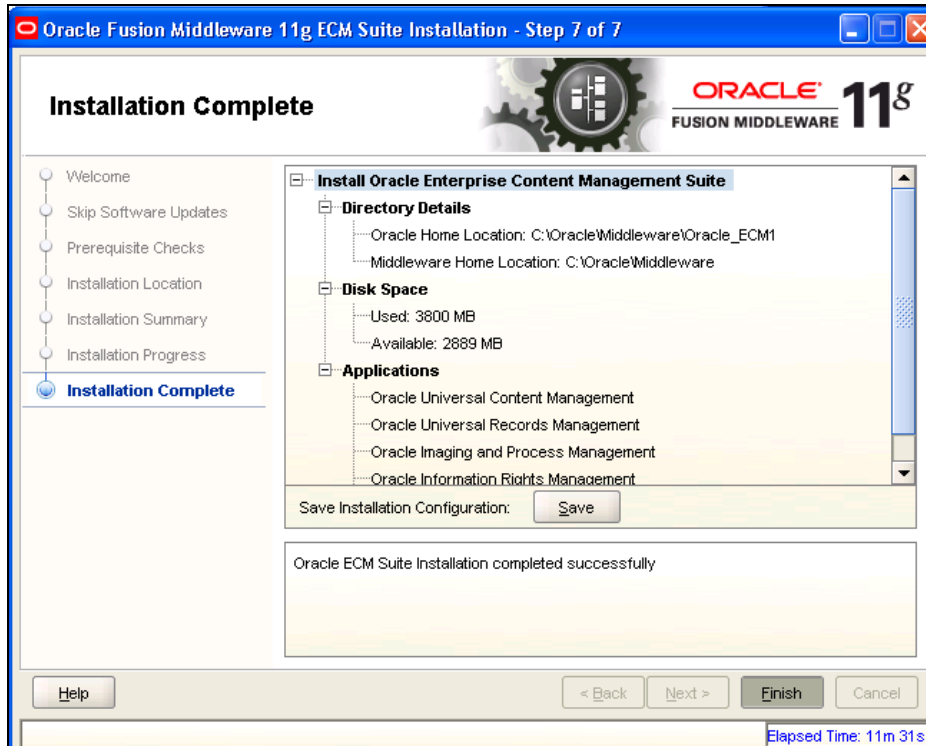
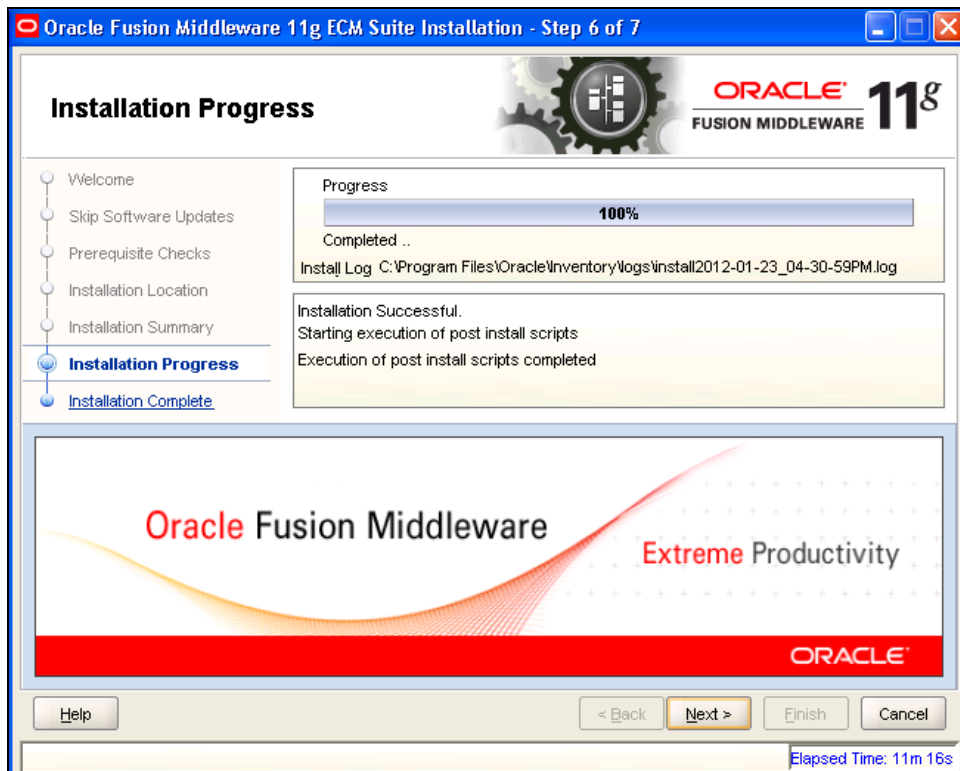
7. Click 'Next' to navigate to specify Installation Location.



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 start, navigate to All programs and then to ECM 11g home.

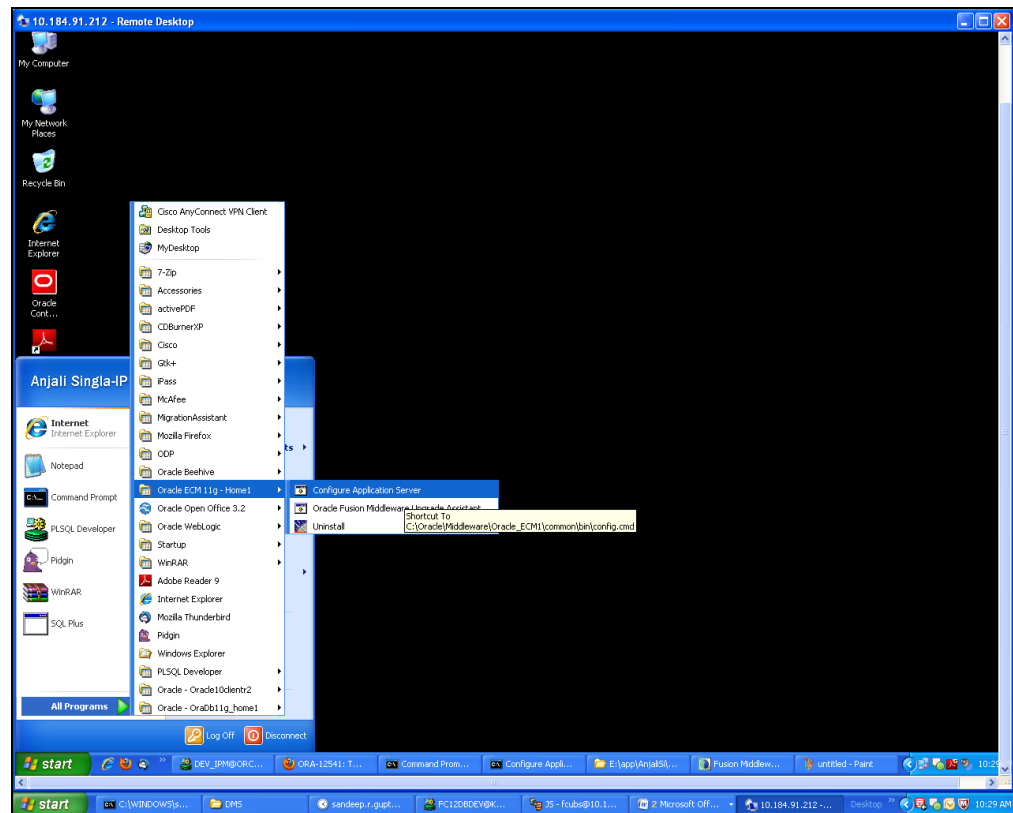
4. Configuring the ECM application server:

4.1 Introduction

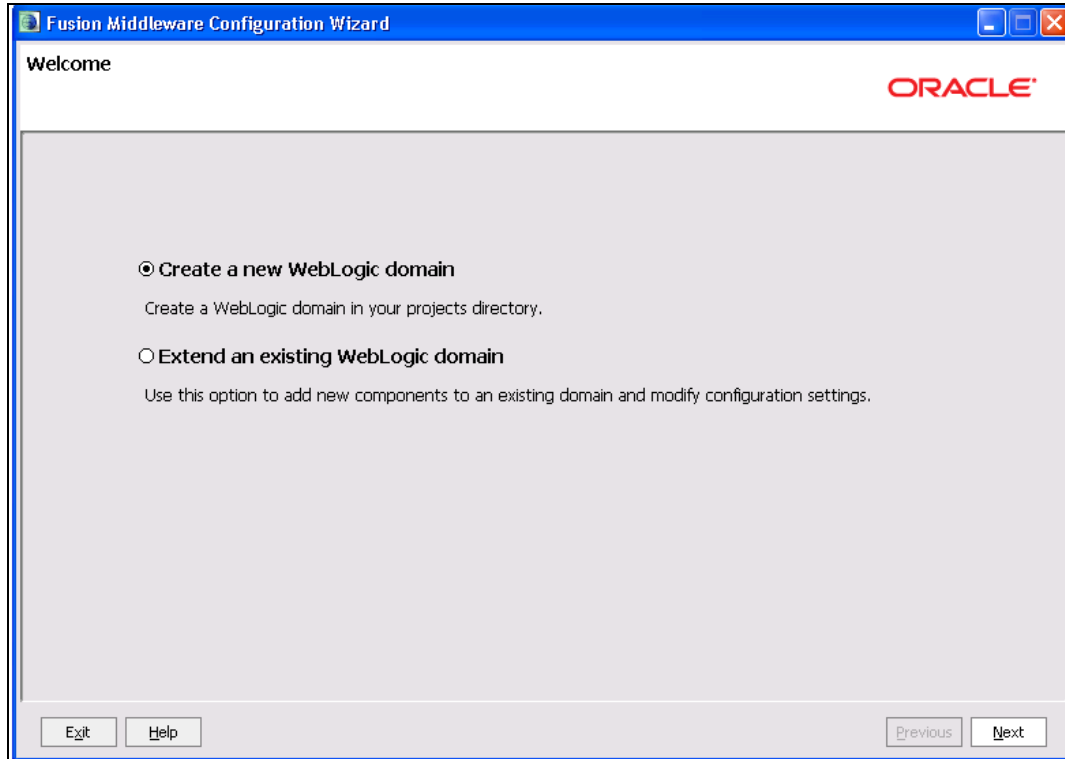
New domain can be configured or an existing domain can be extended with Oracle ECM suite components.

4.2 New Domain Configuration

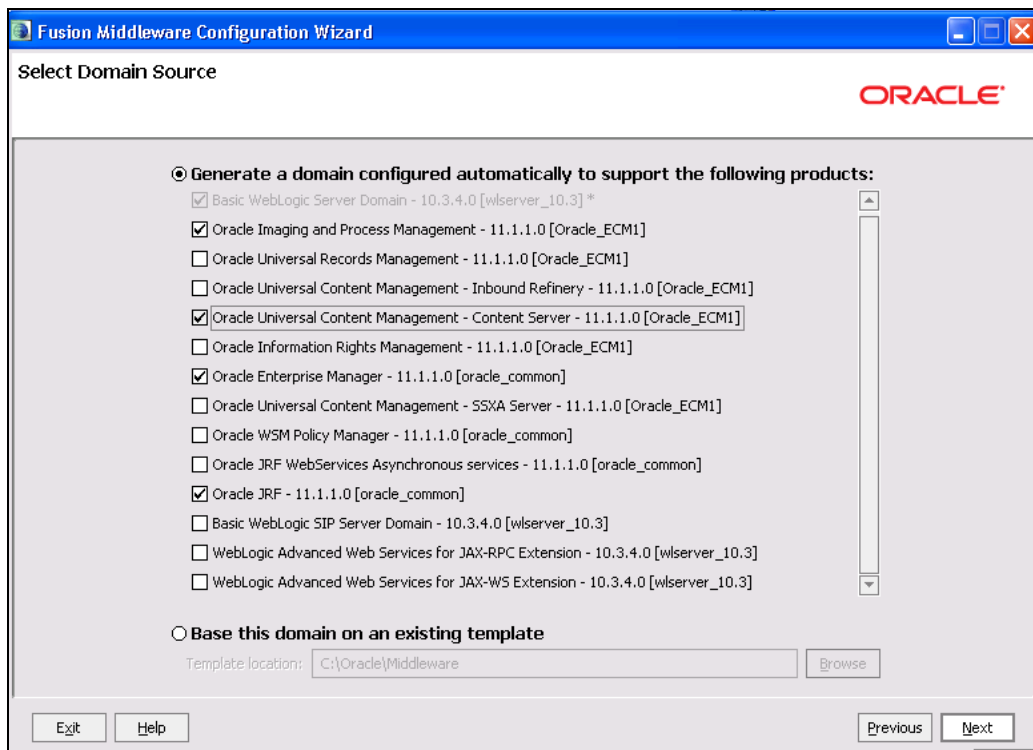
1. Run Configure Application server



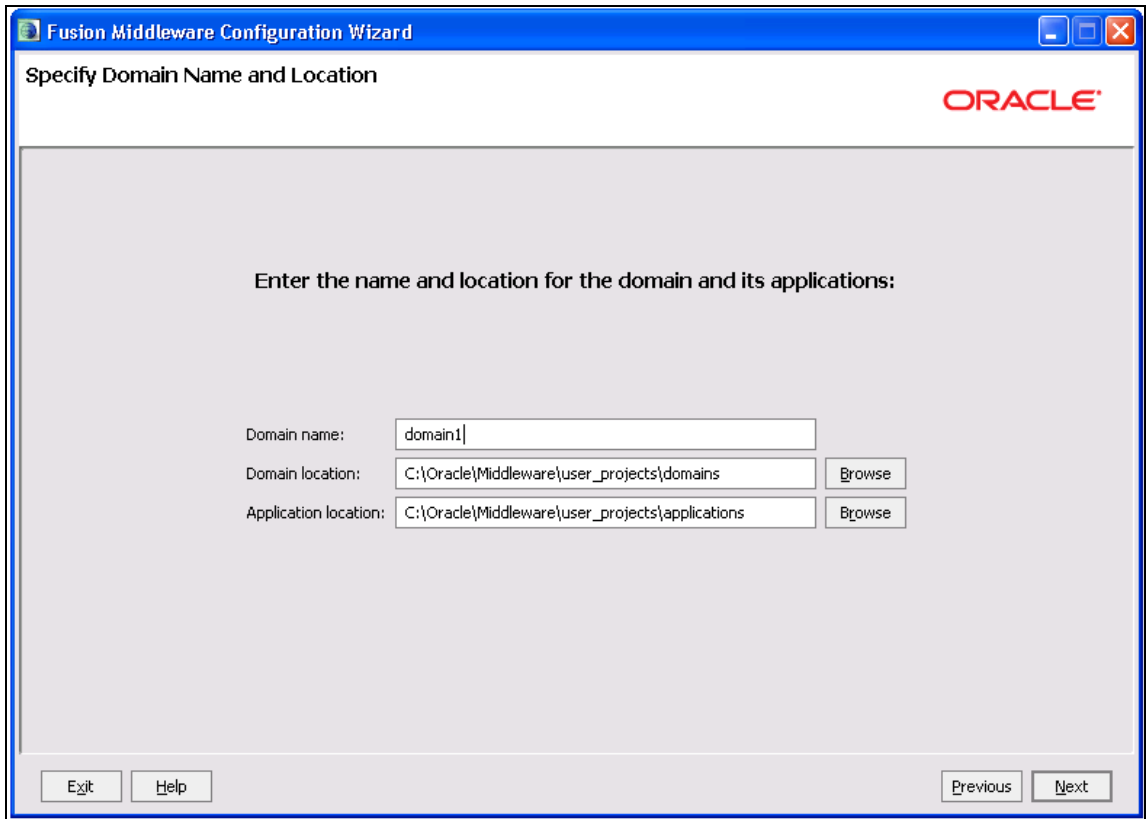
Creating a new WebLogic domain



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

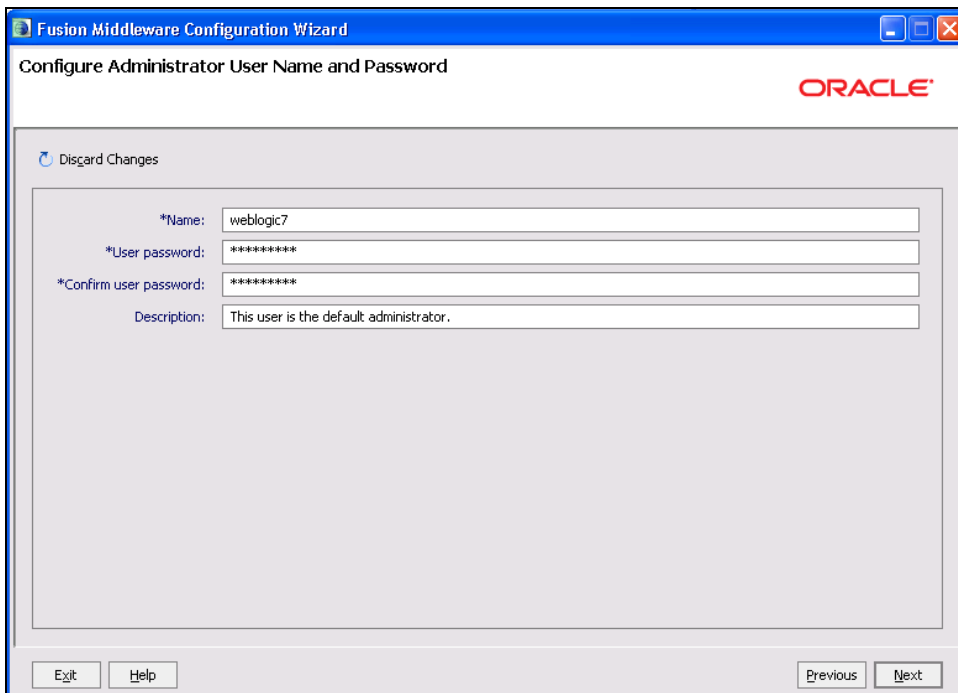
ORACLE

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](#)

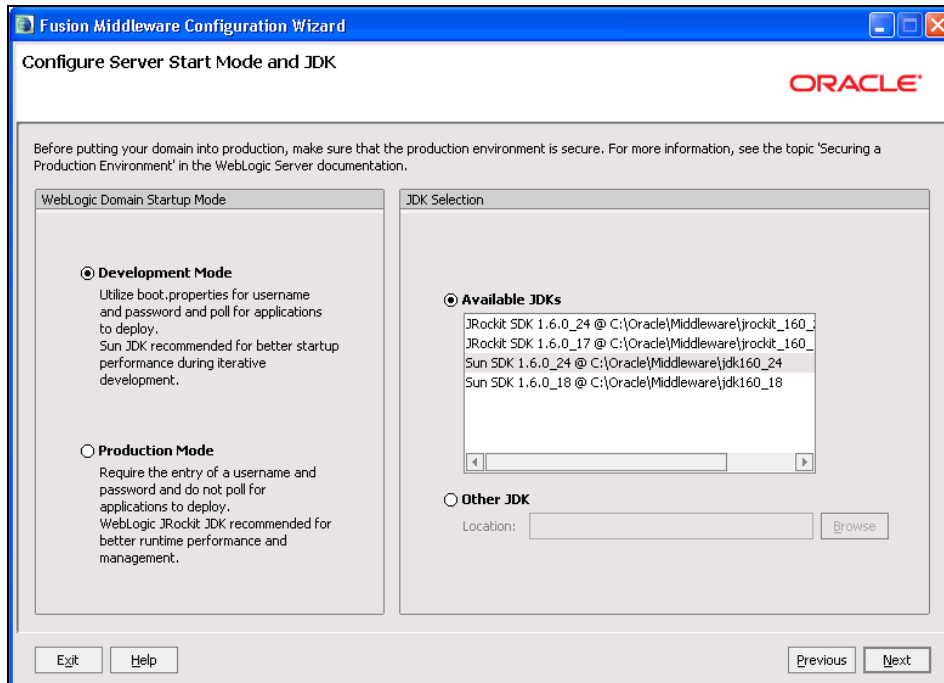
*Name:

*User password:

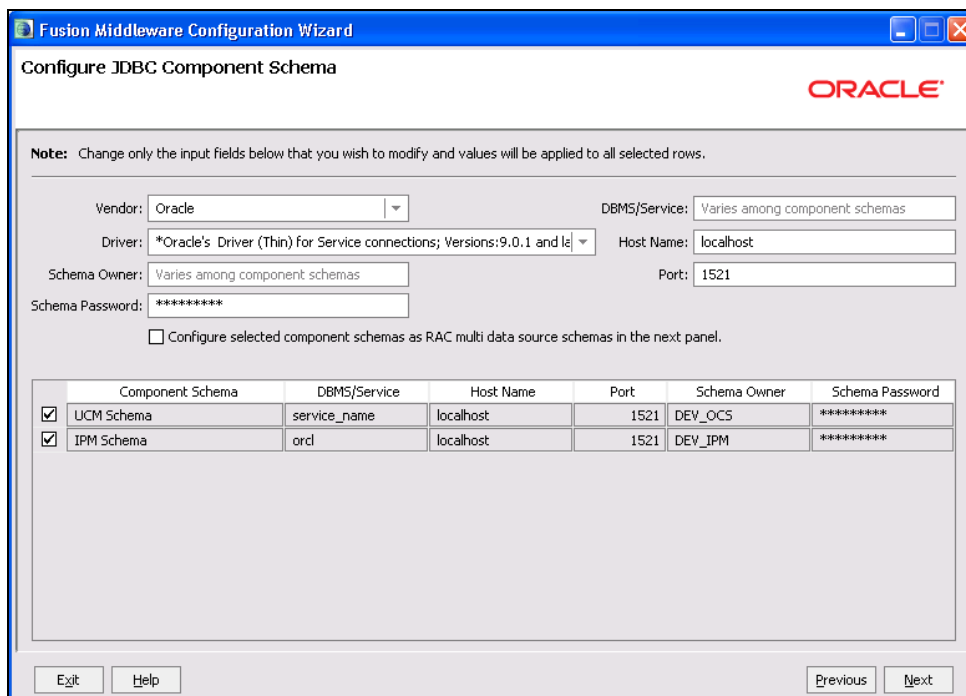
*Confirm user password:

Description:

4. Configure Administrator user / password.

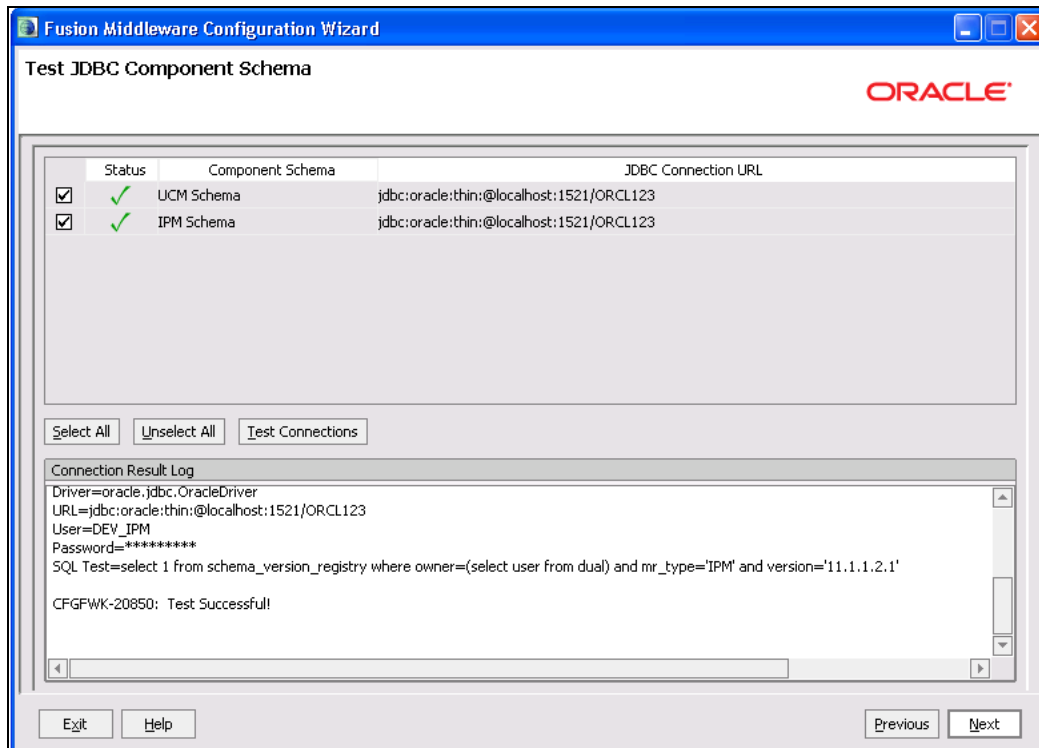


5. Select jdk depending on the Startup mode.

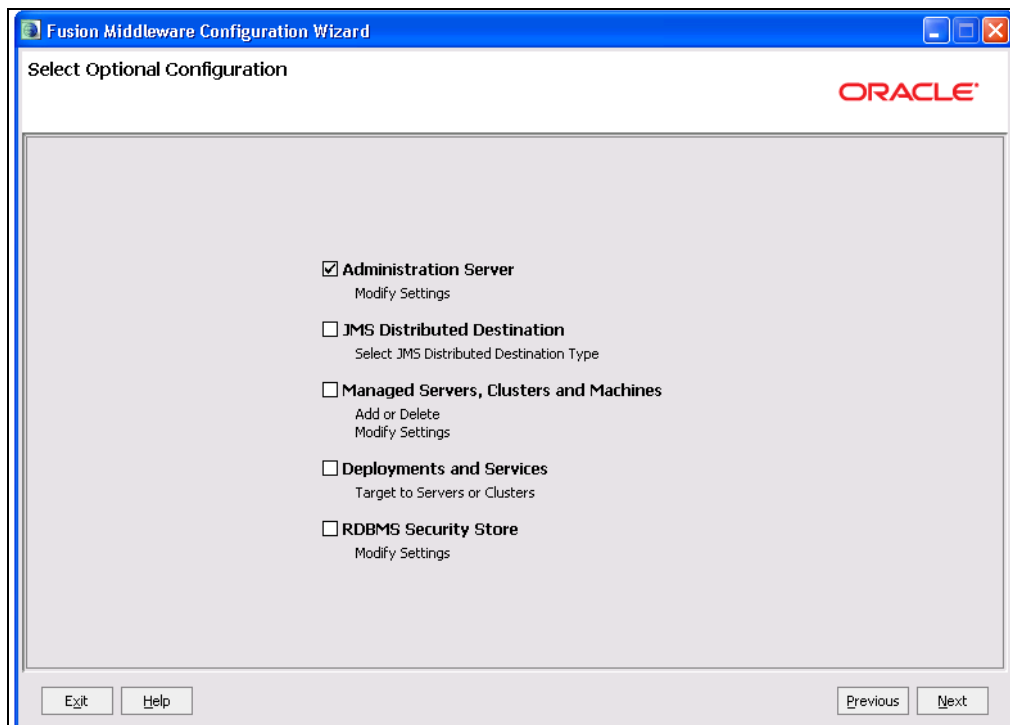


6. Provide the db parameters used during schema creation(RCU Utility)

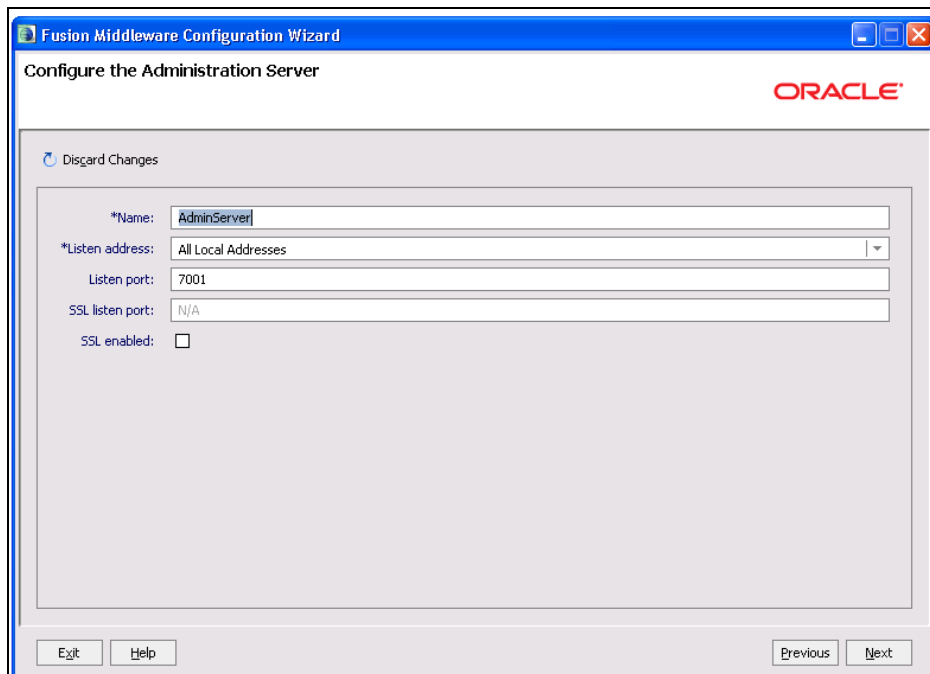
- Specify your hostname and schema password of both UCM and IPM schema. Also specify the correct DBMS/Service name.



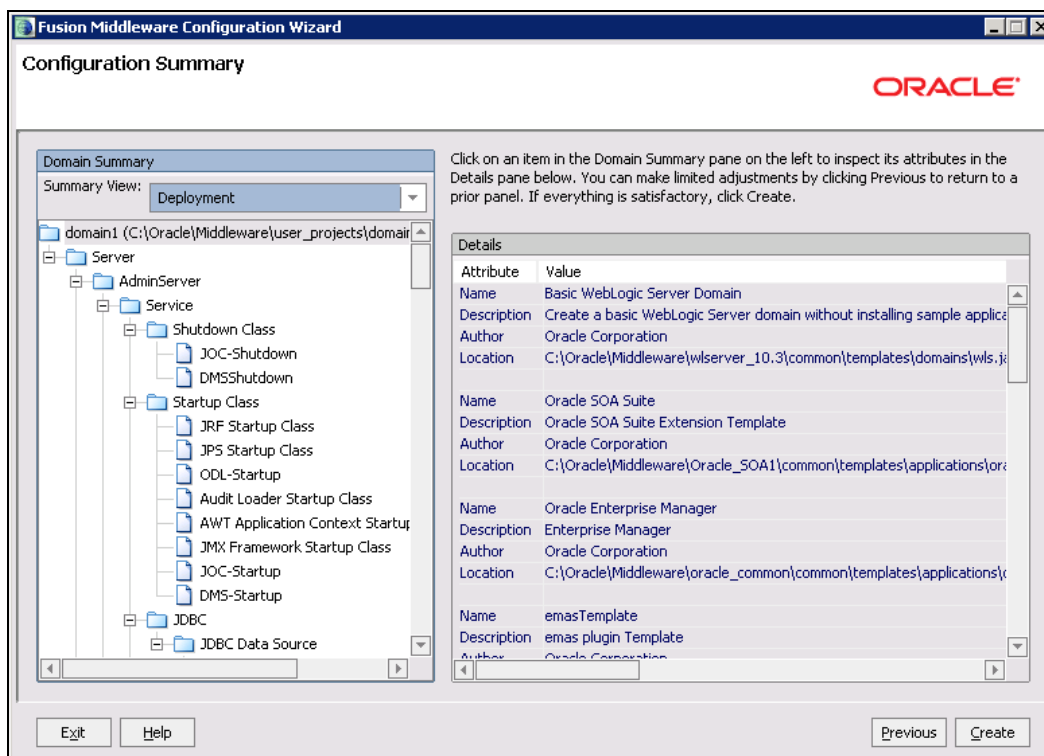
- Test the database connectivity

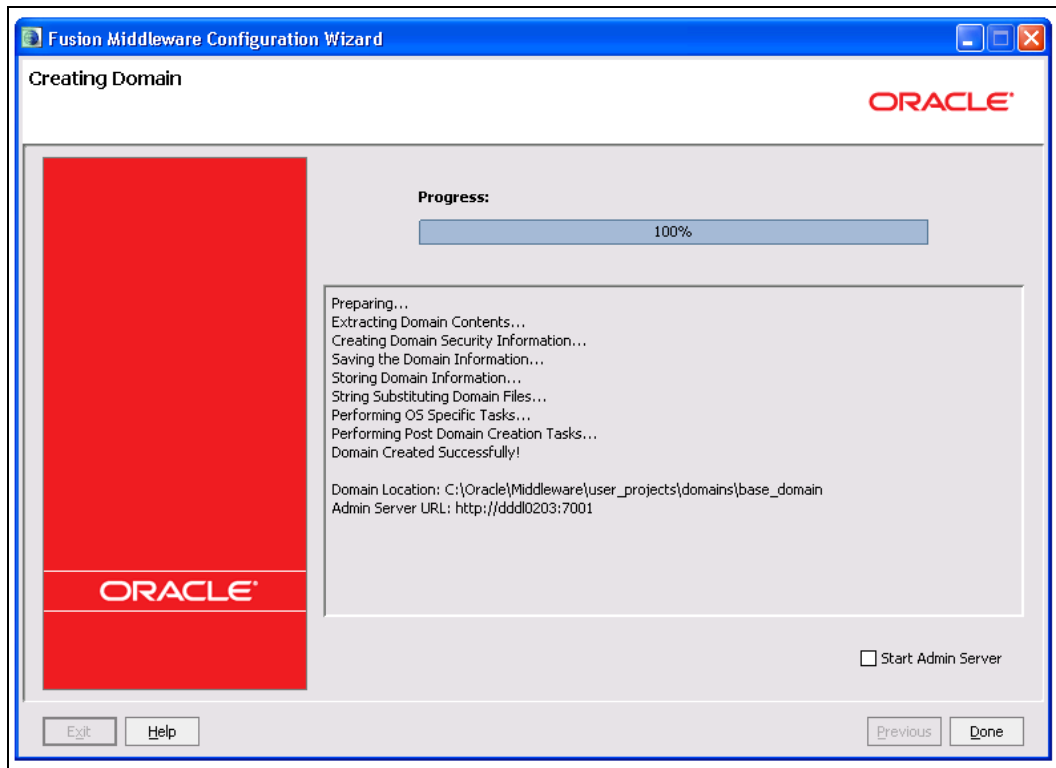


9. Select the Administration Server



10. Configure the admin server.



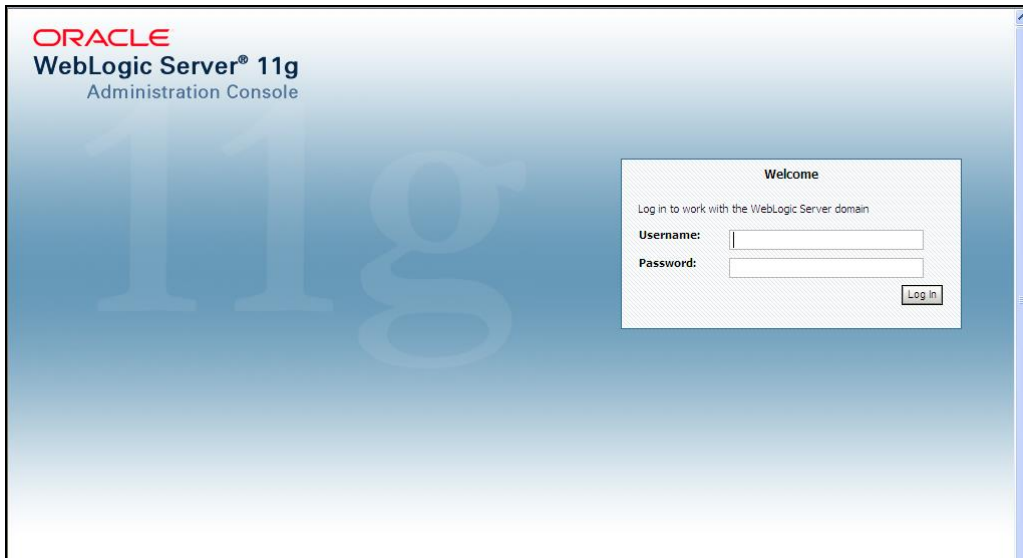


5. Checking the Deployment Summary

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 click 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
email	Active		Library	100
emas	Active		Library	100
emcore	Active		Library	100
IPMW 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
jsf(1.2,1.2.0.1)	Active		Library	100
ohw-rd(5,5.0)	Active		Library	100
ohw-ux(5,5.0)	Active		Library	100
Oracle UCM Help	Active	OK	Web Application	225

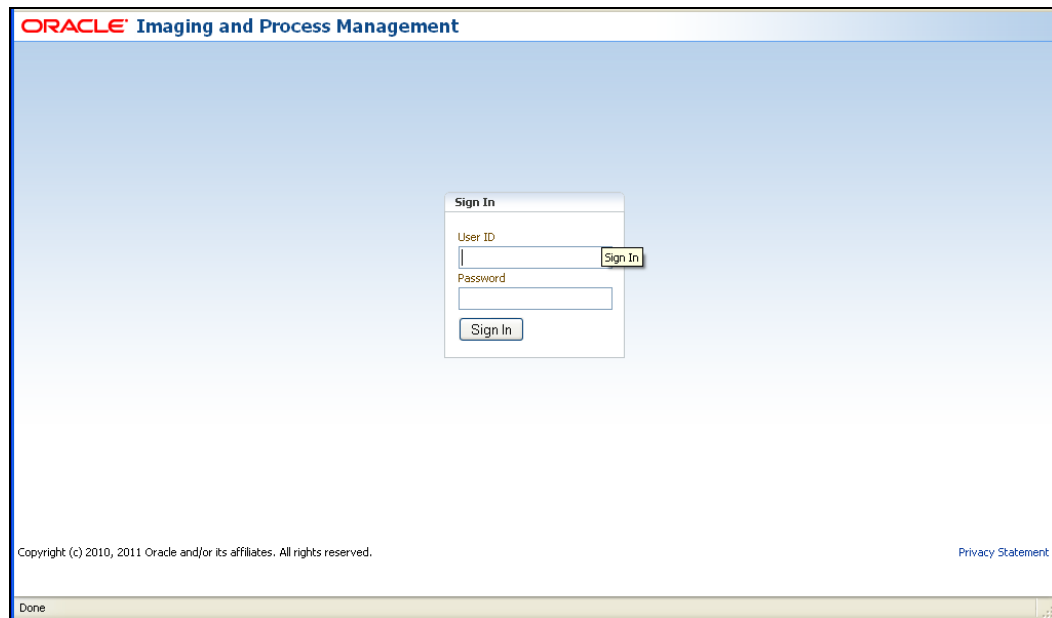
8. Imaging application should be up and running.

6. Creating Oracle 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 login interface. At the top, the title bar reads "ORACLE Imaging and Process Management". The main area is a light blue gradient. In the center, there is a "Sign In" dialog box. This dialog box contains a "User ID" label with a text input field, a "Password" label with a text input field, and a "Sign In" button. To the right of the "User ID" input field, there is a small "Sign In" button. Below the "Sign In" dialog box, there is a "Sign In" button. At the bottom left of the main area, there is a copyright notice: "Copyright (c) 2010, 2011 Oracle and/or its affiliates. All rights reserved." At the bottom right, there is a link for "Privacy Statement". At the very bottom of the window, there is a status bar with the word "Done" on the left and a small icon on the right.

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 webloot1 | 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 webloot1 | 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: ☒

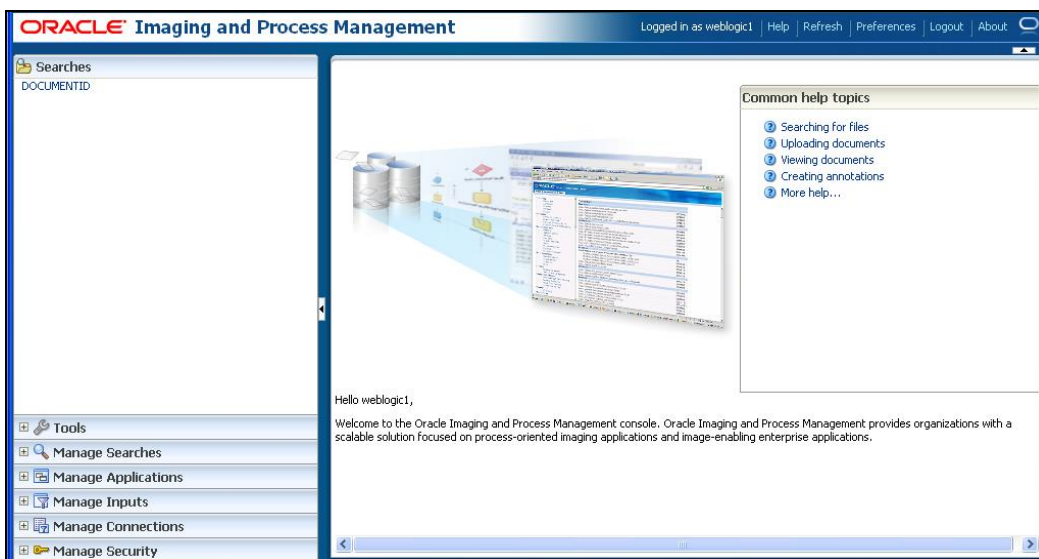
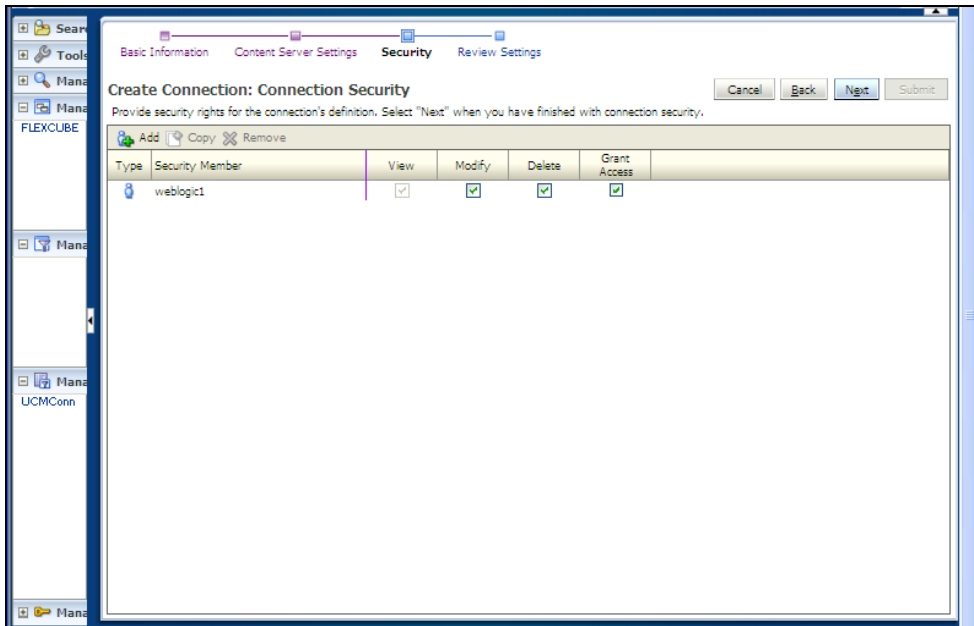
Server Port:

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 Add Application

The screenshot shows the 'Create Application: General Properties' form in the Oracle Imaging and Process Management application. The form is titled 'Create Application: General Properties' and includes a sub-header 'Provide general properties for the application. Select "Next" when you have finished with general properties.' The form contains the following fields and controls:

- Application Name:** A text input field containing 'FLEXCUBE'.
- Description:** A large text area for describing the application.
- Repository:** A dropdown menu set to 'UCMConn'.
- Information:** A blue information icon followed by the text: 'You will not be able to change the repository once you have created the application.'
- Full-Text Search:** A checkbox that is currently unchecked.

At the top right of the form, there are buttons for 'Cancel', 'Back', 'Next', and 'Submit'. The 'Next' button is highlighted in blue. The top of the application window shows the title 'ORACLE Imaging and Process Management' and a user status bar indicating 'Logged in as weblogic1' with links for 'Help', 'Refresh', 'Preferences', 'Logout', and 'About'.

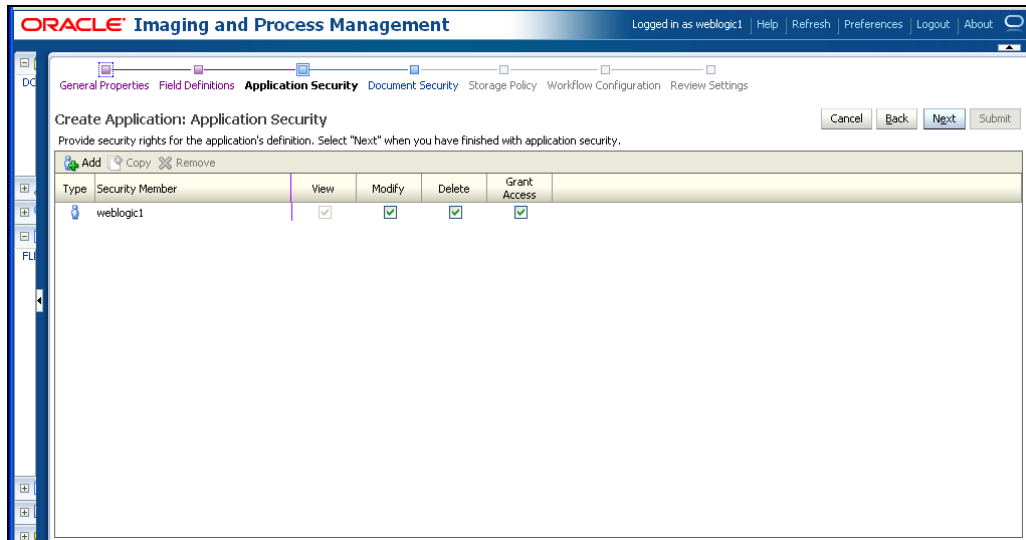
9. Click Next and add a Field Name as Name

The screenshot shows the 'Create Application: Field Definitions' form in the Oracle Imaging and Process Management application. The form is titled 'Create Application: Field Definitions' and includes a sub-header 'Provide field definitions for the application's content. Select "Next" when you have finished with field definitions.' The form contains the following elements:

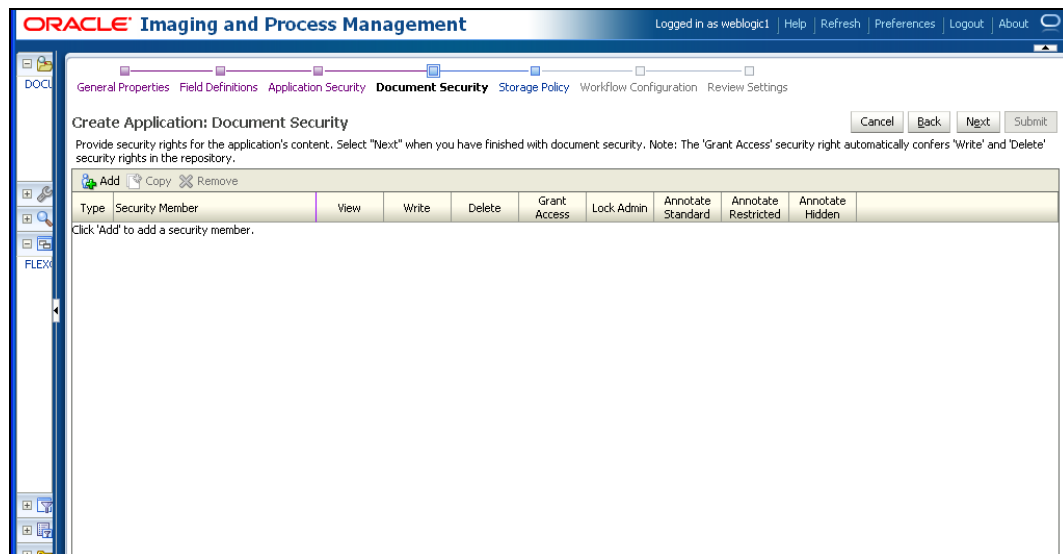
- Buttons:** 'Add', 'Remove', and 'Picklist' buttons are located at the top left of the table area.
- Table:** A table with columns: 'Type', 'Name', 'Length', 'Scale', 'Required', 'Indexed', 'Default Value', and 'Picklist'. The table contains one row with the following data:

Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Name	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
- Navigation:** A blue bar at the bottom of the table area contains left and right arrow buttons.

At the top right of the form, there are buttons for 'Cancel', 'Back', 'Next', and 'Submit'. The 'Next' button is highlighted in blue. The top of the application window shows the title 'ORACLE Imaging and Process Management' and a user status bar indicating 'Logged in as weblogic1' with links for 'Help', 'Refresh', 'Preferences', 'Logout', and 'About'.



10. Click Next



11. Add security member giving all rights

12. Click 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 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 Next and add all the details as shown

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

Properties Results Formatting Conditions Parameters Security Preview and Test Review Settings

Create Search: Results Formatting

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
FLEXCUBE	Name	Document Id	Document Cre	Document Cre	Document Bat

The following screen appears after creation:

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 D	Document Created By	Document Batch Id

Conditions

Application: FLEXCUBE

(Field	Operator	Value)	Conjunction
	Document Created By	Begins With	Parameter - Document Created By		

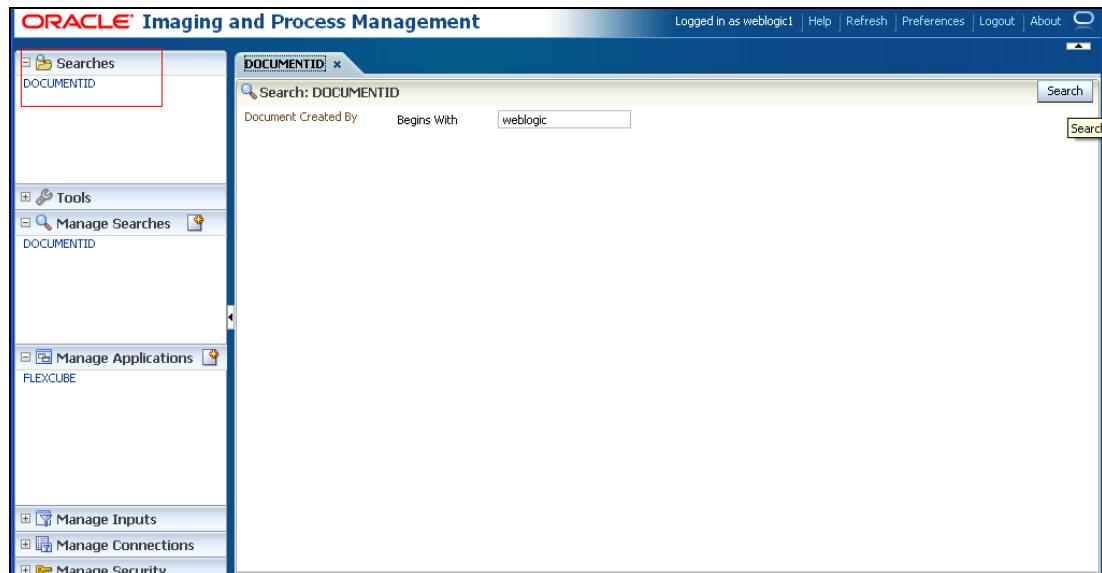
Parameters

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

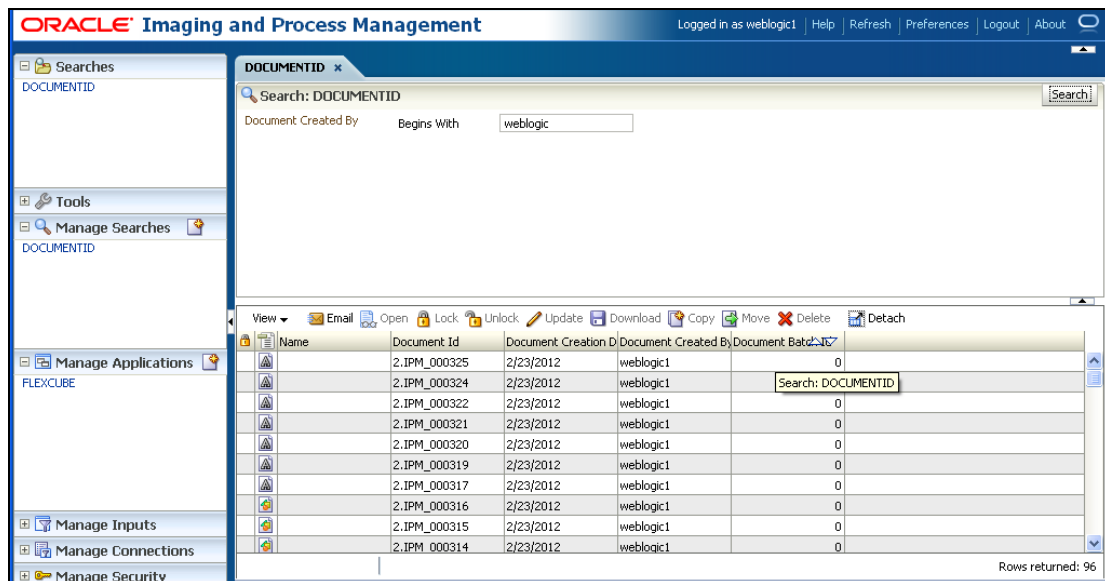
Security

Type	Security Member	View	Modify	Delete	Grant

16. Click 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
[May] [2021]
Version 14.5.0.0.0

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/

Copyright © [2007], [2021], Oracle and/or its affiliates.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.