

ORACLE®

Oracle Enterprise Manager Cloud Control: Installation

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Safe Harbor Statement

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Agenda

- 1 Facts about EM 13.1.0.0
- 2 EM 13.1.0.0 Binaries
- 3 New in EM 13.1.0.0 Install
- 4 Installation Types and Methods
- 5 Step by Step Demo
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- 7 Documentation Links

Facts about EM 13.1.0.0

- EM 13c Release will allow you:
 - Perform fresh Install of EM 13.1.0.0
 - Upgrade to EM 13.1 from (12.1.0.3, 12.1.0.4, 12.1.0.5)
- DB Repository version supported: 12.1.0.2
- Versions supported: WLS -12.1.0.3 , JDK – 1.7.0_80
- Simplified Binary extraction – No need to unzip the software zip files
- Integrated Deploy and Configure while doing Fresh Install OR Upgrade
 - BI Publisher 12.1.0.3 integrated
 - JVMD integrated

Facts about EM 13.1.0.0

- EM binaries for all the platforms are available on OTN
- Minimum Infrastructure Requirement for EM13c Install (OMS + Agent)

	13.1.0.0 OMS (per OMS)	13.1.0.0 Management Agent (per Agent)
RAM	10GB *	512 MB
Hard Disk Space	24GB **	1.5 GB

** With Oracle BI Publisher and JVM Engine configured*

*** With Oracle Software Library, Oracle BI Publisher, and JVM Engine configured*

Enterprise Manager 13.1.0.0 Binaries

Get the EM 13.1.0.0 binaries from OTN

The image shows a screenshot of the Oracle Technology Network (OTN) website. The top navigation bar includes the Oracle logo, a search box, and menu items: Products, Solutions, Downloads, Store, Support, Training, Partners, About, and OTN. The 'Downloads' menu item is highlighted with a red box. Below the navigation bar, the main content area is titled 'Oracle Technology Network' and includes a welcome message and a 'Join now' link. A secondary navigation bar is visible below the main content, with 'Downloads' also highlighted. A large black arrow points from the 'Downloads' link in the secondary navigation bar to a detailed view of the 'Downloads' section. This detailed view is organized into columns: 'Popular Downloads', 'Database', 'Enterprise Management', 'Developer Tools', and 'Applications'. The 'Enterprise Management' column is highlighted with a red box, and 'Oracle Enterprise Manager' is listed as the first item in this column. Other items in the 'Enterprise Management' column include 'Oracle Application Testing Suite' and 'See All...'. The 'Database' column lists items like 'Oracle Database', 'Oracle Database 11g Express Edition', 'MySQL', 'Oracle Berkeley DB', 'Oracle Instant Client', and 'Oracle Application Express'. The 'Developer Tools' column lists 'SQL Developer', 'JDeveloper and ADF', 'Developer Tools for Visual Studio', 'Enterprise Pack for Eclipse', 'NetBeans IDE', and 'Prebuilt Developer VMs'. The 'Applications' column lists 'Oracle Fusion Applications', 'Oracle E-Business Suite', 'PeopleSoft, JD Edwards, Siebel CRM', 'Agile', and 'AutoVue'. The 'Popular Downloads' column lists 'Java for Developers', 'Java for Your Computer', 'Java SE', 'Solaris', 'MySQL', 'Oracle Fusion Middleware 11g', 'Oracle Database Prebuilt Developer VMs', and 'Oracle SOA Suite'. The Oracle logo is also present in the bottom left corner of the image.

New in EM 13.1.0.0 Install

- DB template (12.1.0.2 DB) with core sysman schema and predefined repository parameters
 - You will be able to download the template from OTN EM download page
 - Use this template to create database that will house the EM repository
- BIP Integrated

Installation Details

Select Plug-ins

WebLogic Server Configuration

Database Connection Details

Enterprise Manager Configuration

Shared Location Details

Port Configuration Details

Review

Install Progress

Finish

Configure a Shared Location for Oracle BI Publisher

Config Volume Browse...

Cluster Volume Browse...

Sets up the shared storage for BI Publisher, in preparation for adding an OMS (which will also contain a scaled-out BI Publisher). Adding an OMS will also add a BI Publisher server that will function in a High Availability environment. Therefore, BI Publisher will support both redundancy and scalability.

Config volume contains the BI Publisher repository and configuration files.
Cluster volume contains storage required for the BI Publisher scheduler to operate in a HA environment.

Enable BI Publisher

Enable Oracle BI Publisher

Shared directory path for config and cluster volume

Option to Enable / Disable BI Publisher during install

New in EM 13.1.0.0 Install - Pre-req checks

- Pre-requisite check for supported OS Platform during install
 - Supported OS Platform for Fresh Install: Eg. OEL7.x / RHEL 7.x / OEL 6.x
 - Unsupported OS Platform: Eg. OEL 5.x / RHEL 5.x
 - Refer to EM13c MOS certification matrix for details on supported OS platform
- Supported DB version check during install
 - DB 12.1.0.2 is the supported Repository for Fresh Install
 - Ensure that you apply the latest Bundle patch on the supported database
- File Descriptor Requirements
 - Ensure that the 'ip_local_port_range' parameter is set between 11000 to 65000
 - Softnofiles = 30000
 - File-max = 65536

New in EM 13.1.0.0 Install

- EM DB template (12.1.0.2 DB) supports all deployment types: small, medium, large
- 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_<platform>.zip
 - 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Large_deployment.dbc
 - 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Medium_deployment.dbc
 - 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_Small_deployment.dbc
 - 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0.ctf
 - 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0.dfb
 - set_repo_param_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0_Large_deployment.sql
 - set_repo_param_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0_Medium_deployment.sql
 - set_repo_param_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0_Small_deployment.sql
 - shpool_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0.sql

New in EM 13.1.0.0 Install

How does 12.1.0.2 DB template work?

1. Download template
12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_<platform>.zip from OTN
2. Install DB 12.1.0.2 (Software only OR Configure Database)
3. Copy the 12.1.0.2 DB template to <DB_Home>/assistants/dbca/templates
4. Unzip 12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_<platform>.zip
5. Invoke dbca from <DB_Home>/bin
6. Pick your template: small, medium, large
7. Finish the configuration

New in EM 13.1.0.0 Install

BI Publisher integrated with EM

- BI Publisher bits 12.1.3.0 integrated with EM Installer
- ‘bi’ directory under middleware home
- EMCTL option to start/stop BIP along with OMS
- Install will allocate BIP Ports HTTPS/ HTTP
- Shared storage config to support BIP on Additional OMS
- Ability to select and de-select BIP as part of Install
- Load balancer config support for BIP

New in EM 13.1.0.0 Install

JVMD integrated with EM

- JVMD Engine to be configured with FMW plugin deployment
- JVMD Engine to be deployed as a separate application on EMGC_OMS(X) server, similar to PBS
- JVMD Engine to use Upload ports on OHS
- OHS to be configured to direct JVMD traffic to JVMD Engine
- Separate port configured for JVMD Engine on SLB for session persistence
- emctl status oms to show JVMD Engine status
- JVMD to have a separate log file

New in EM 13.1.0.0 Install

- EM 13.1.0.0 there is no 'oms' directory inside middleware home

```
[redacted@den00bje middleware]$ ls
allroot.sh  create_header.log  has  network  oraInst.loc  rdbms  sysman
asr         crs                install  nls      ord          relnotes  thirdparty
bi         css               instantclient  ocm      oui          response  ucp
bin        disc              inventory  ohs      perl         root.sh   user_projects
bmp        doc               jdbc      omscarespfile  plsql      slax      webgate
cfgtoollogs  domain-registry.xml  jlib     OMSPatcher  plugins    soa       wlserver
clone      em                ldap      OPatch     plugins_common  sqlplus  xdk
coherence  embip             lib       oracle_common  postjava_header.log  srv      stage
common     gccompliance      logs      oracore    precomp
```

- Agent Home Directory Structure – Central Agent

```
<agent_base_directory>
|_____agent_13.1.0.0.0
|_____agent_inst
```



New in EM 13.1.0.0 Install

- AL32UTF8 is the recommended character set for EM Repository



New in EM 13.1.0.0 Install

- EM repository database version check during install
- DB 12.1.0.2 is the only supported database for EM 13.1 install



Best Practice for EM 13.1.0.0 Install

- Make sure that the binaries downloaded from OTN have correct bytes/checksum values as displayed on OTN
- Do not unzip the binaries files. Just execute the em13100_<platform>.bin file to invoke the installer

```
em13100_linux64.bin  
em13100_linux64-2.zip  
em13100_linux64-3.zip  
em13100_linux64-4.zip  
em13100_linux64-5.zip
```

- Use EM installer to install WLS
- Use DB template to configure database that will house the EM repository

Install Types and Methods

- EM 13.1.0.0 can be installed in:

Graphical Mode:

- Invoke the `em13100_<platform>.bin` (Installation + Configuration)
- Software-only install and Configure using `configureGC.sh` script

Silent Mode:

- To generate response file run `./em13100_<platform>.bin -getResponseFileTemplates -outputLoc <absolute_path_to_a_directory_to_store_the_generated_response_file>`
- Edit the `new_install.rsp` file and enter the appropriate values for the parameters
- Run the command `./em13100_<platform>.bin -silent -responseFile <absolute_path_to_the_directory_where_the_generated_and_updated_response_file_is_stored>/new_install.rsp`

Demo

Installing EM 13.1.0.0 Cloud Control on Linux x86_64 (64 bit)

Demo Flow:

Step 1: Install DB using DB 12.1.0.2 template

Step 2: Install EM 13.1.0.0 Cloud Control

Step 1. Install DB using DB 12.1.0.2 template

1. Download template

12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_<platform>.zip from OTN

Oracle Enterprise Manager Cloud Control 13c Release 1 (13.1.0.0) **New!**

Enterprise Manager Base Platform
(Full Installers for OMS, Agent, Repository, Management Plug-ins)

- 📄 for Linux x86 (32-bit)
- 📄 for Linux x86-64 (64-bit)
- 📄 for Windows x86-64 (64-bit)
- 📄 for Solaris Operating System (SPARC)
- 📄 for Solaris Operating System (x86-64)
- 📄 for IBM AIX on POWER Systems (64-bit)
- 📄 for HP-UX Itanium (64-bit)

Additional Required Software for Oracle Enterprise Manager Cloud Control 13c Release 1 (13.1.0.0)

- 📄 Oracle Database

Oracle Business Intelligence Publisher (BIP) 12.1.3.0 binaries are installed along with Enterprise Manager Fresh 13.1.0.0 Install or Upgrade to 13.1.0.0, so it is no longer required to download and install BI Publisher separately.

Database Template (with EM 13.1.0.0 repository pre-configured) for Installing Oracle Enterprise Manager Cloud Control 13c Release 1 (13.1.0.0)

To know more about how to use these template for installing EM 13.1.0.0 refer Enterprise Manager Cloud Control Basic Installation Guide 13c Release 1 (13.1.0.0) available here.

- 📄 Download DB Templates

Database Template (with EM 13.1.0.0 repository pre-configured) for Installing Oracle Enterprise Manager Cloud Control 13c Release 1 (13.1.0.0)

You must accept the [OTN License Agreement](#) to download this software.

- Accept License Agreement | Decline License Agreement

Note: You can use following DD templates only with CM 13.1.0.0 release. Refer to the CM 13.1.0.0 Install guide to learn how to use these DB templates to setup database that will house the EM repository 13.1.0.0 DB templates are only for 12.1.0.2 version of DB

- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on Linux x86 (324,748,338 bytes, cksum 2335913b1b)
- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on Linux x86 64 (535,341,912 bytes, cksum 1907015060)
- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on IBM AIX on POWER Systems (511,608,219 bytes, cksum 4032482266)
- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on Windows x86-64 (64-bit) (300,023,077 bytes, cksum 1597504058)
- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on Solaris Operating System (SPARC) (400,750,645 bytes, cksum 859349733)
- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on Solaris Operating System (x86-64) (549,079,496 bytes, cksum 3671486347)
- 📄 12.1.0.2 DB Template for EM 13.1.0.0 on HP-UX Itanium (334,107,000 bytes, cksum 1207990157)

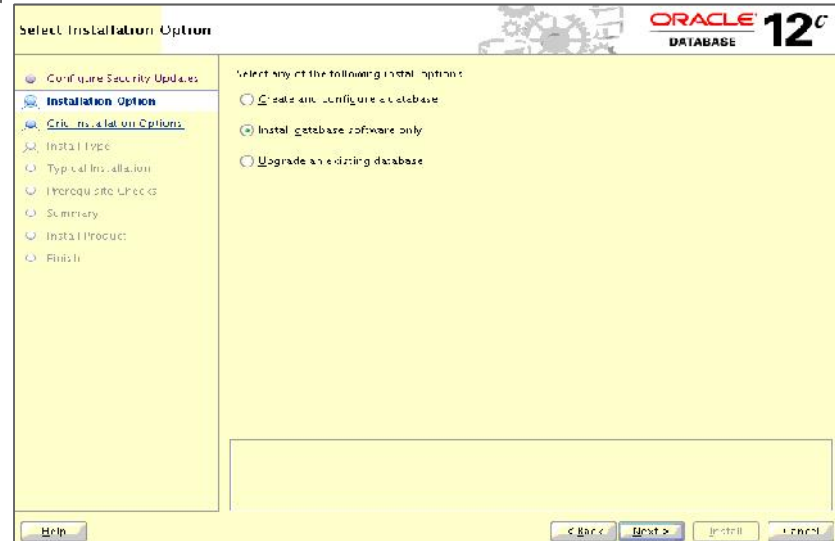
3. Start the Database Install : Invoke runInstaller

4. Select the Database install type:

- Create and Configure
- Software only

In this demo we will select Software only

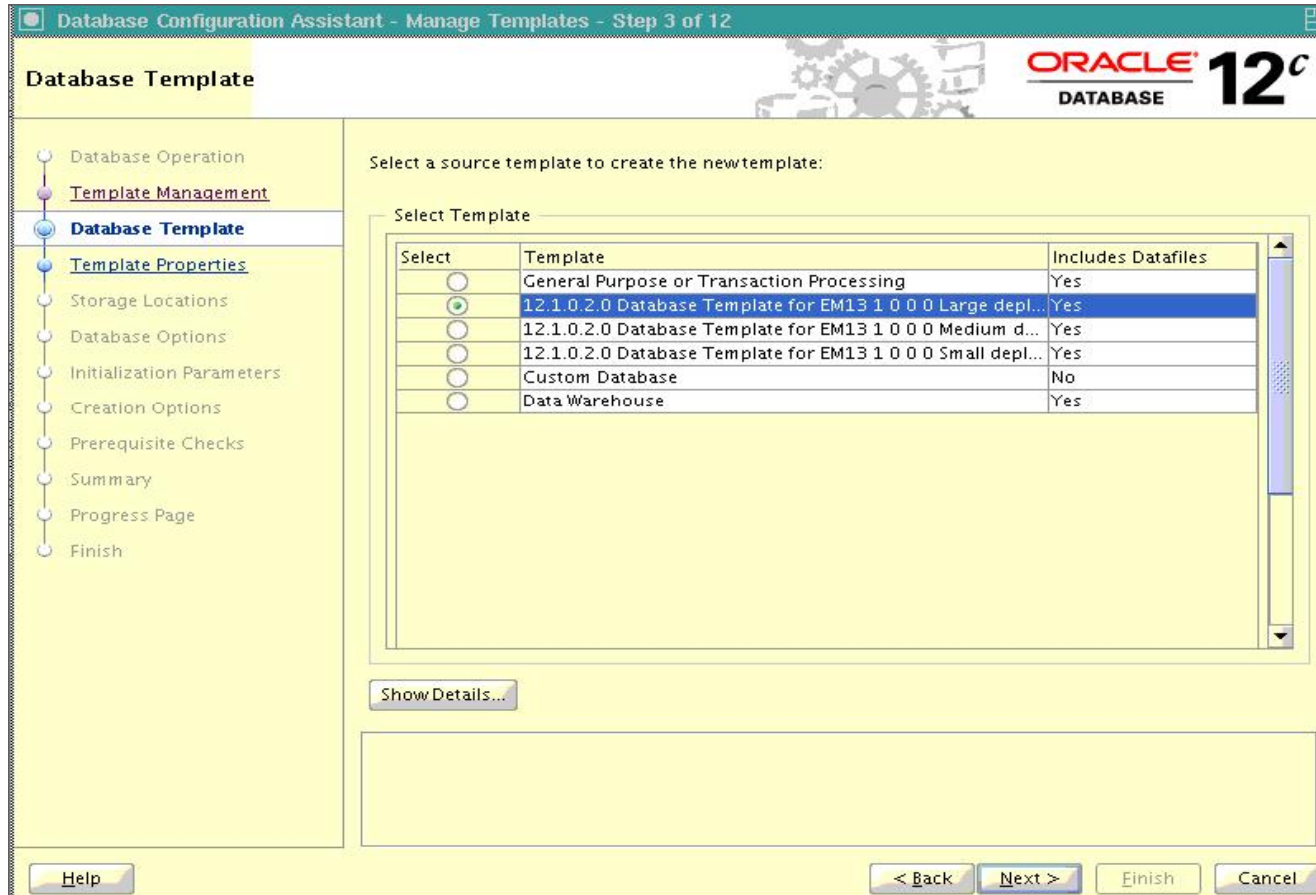
5. Finish the DB install



6. Copy the *12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_<platform>.zip* to <DB home>/assistants/dbca/templates

7. Unzip the *12.1.0.2.0_Database_Template_for_EM13_1_0_0_0_<platform>.zip* in to <DB home>/assistants/dbca/templates

8. Invoke <DB home>/bin/dbca and select the template type: small, medium, large



9. Uncheck the option: Configure Enterprise Manager (EM) Database Express

Database Configuration Assistant - Create Database - Step 5 of 14

ORACLE 12c DATABASE

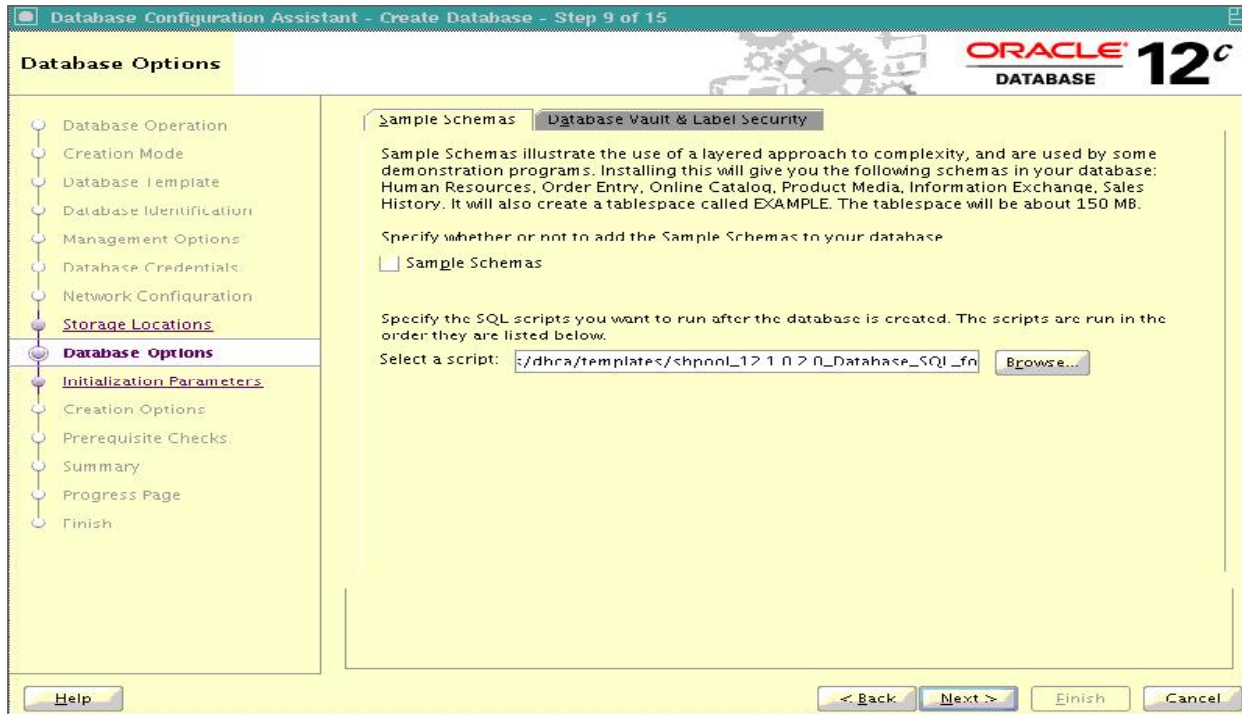
Management Options

Specify the management options for the database.

- Configure Enterprise Manager (EM) Database Express**
EM Database Express Port: 5501
- Register with Enterprise Manager (EM) Cloud Control
 - OMS Host:
 - OMS Port:
 - EM Admin Username:
 - EM Admin Password:

Navigation buttons: Help, < Back, Next >, Finish, Cancel

10. Select the SQL script shpool_12.1.0.2.0_Database_SQL_for_EM13_1_0_0_0.sql, this script will set the required shared pool value for EM install



11. Done. This completes the Database creation

Step 2. Install EM 13.1.0.0 Cloud Control

- Execute em13100_linux64.bin to invoke installer
- Uncheck the option “I wish to receive security updates” and click Next

Oracle Enterprise Manager Cloud Control 13c Installation - Step 1 of 10

My Oracle Support Details

ORACLE Enterprise Manager Cloud Control 13c

Provide your email address to be informed of security issues, install the product and initiate configuration manager. [View details](#).

Email:

Easier for you if you use your My Oracle Support email address/username.

I wish to receive security updates via My Oracle Support.

My Oracle Support Password:

Help < Back **Next >** Install Cancel

- It is recommended that you search for the updates. Provide the username/password and click on Search for updates
- If there are any updates available then apply the updates and click Next

The screenshot shows the 'Software Updates' step of the Oracle Enterprise Manager Cloud Control 13c installation. The window title is 'Oracle Enterprise Manager Cloud Control 13c Installation - Step 2 of 10'. The main heading is 'Software Updates' with the Oracle logo and 'Enterprise Manager Cloud Control 13c' to the right. On the left, a vertical navigation pane lists the installation steps: My Oracle Support Details, Software Updates (highlighted), Prerequisite Checks, Installation Types, Installation Details, Configuration Details, Shared Location Details, Review, Install Progress, and Finish. The main area contains three radio button options: 'Skip', 'Search for Updates (Prerequisites, Critical Patches, Interim Patches, Plug-ins, etc.)' (selected), and 'Local Directory'. The 'Local Directory' option has a text box and a 'Browse...' button. The 'Search for Updates' option has a 'User Name' field containing 'sumesh.balakrishnan@oracle.com' and a 'Password' field with masked characters. A 'Search for Updates' button is below these fields. At the bottom, there is a 'Messages:' label above a large empty text area. The bottom navigation bar includes 'Help', '< Back', 'Next >' (highlighted with a red box), 'Install', and 'Cancel' buttons.

- Execute the system specific pre-requisites. Once all of them are successful, click Next
- Do not ignore any Warning or Failure.

Oracle Enterprise Manager Cloud Control 13c Installation - Step 3 of 10

Prerequisite Checks

ORACLE Enterprise Manager Cloud Control 13c

Prerequisite checks verify that your environment meets all minimum requirements for installing and configuring your selected product.

My Oracle Support Details
[Software Updates](#)
Prerequisite Checks
[Installation Types](#)
Installation Details
Configuration Details
Shared Location Details
Review
Install Progress
Finish

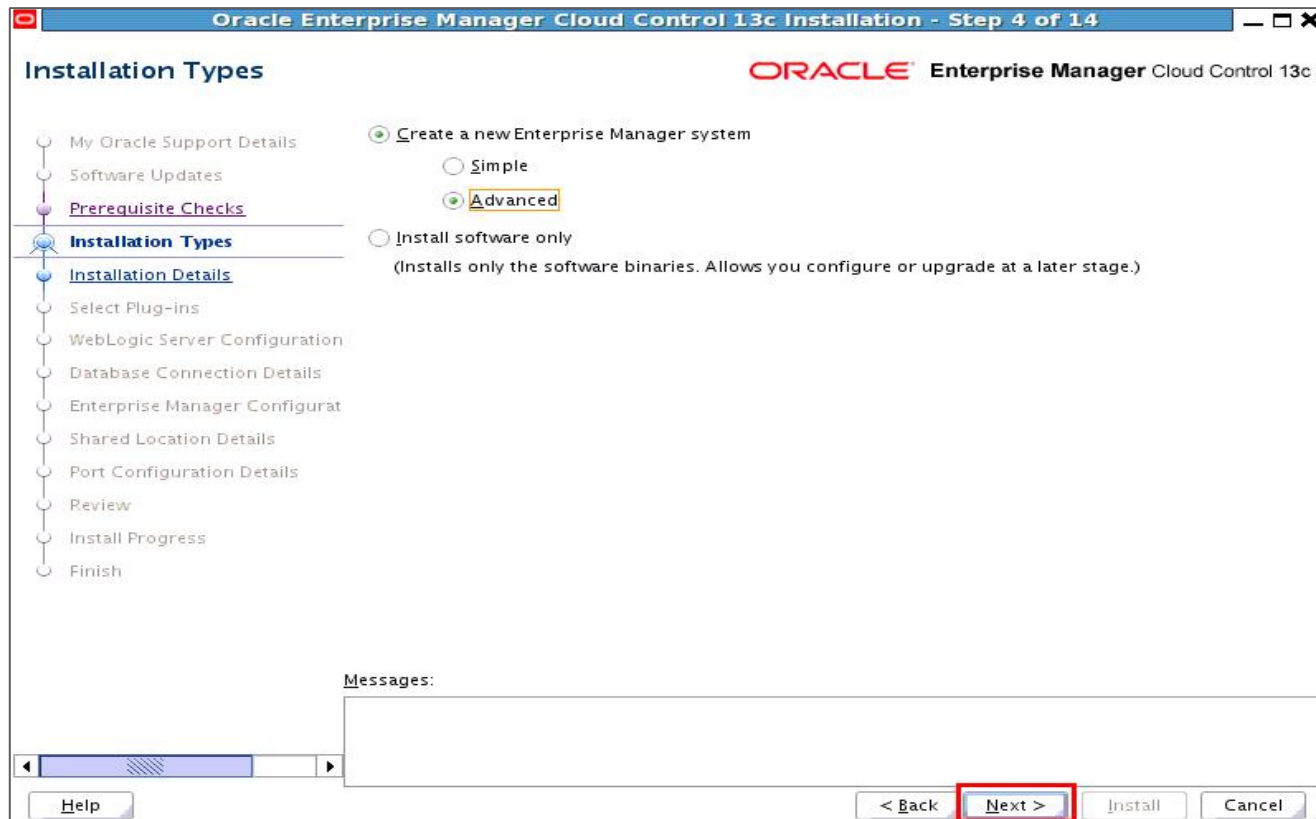
Prerequisite Name	Status
Checking whether the Oracle software being installed is certified on th...	Succeeded
Checking whether the required packages are installed on the host.	Succeeded
Checking whether the required glibc package is installed on the host.	Succeeded
Checking for sufficient inventory directory space...	Succeeded
Checking whether the software is compatible with the current operatin...	Succeeded
Checking time zone settings...	Succeeded
Checking for the required kernel parameters...	Succeeded
Checking for sufficient physical memory...	Succeeded
Checking for sufficient swap space...	Succeeded
Checking for the LD_ASSUME_KERNEL environment variable...	Succeeded
Checking for the http_proxy environment variable...	Succeeded

Actual Result: Variable is not set.
Check complete. The overall result of this check is: Passed

Checking for the http_proxy environment variable...
Description:
Checks for the http_proxy environment variable.

Expected result: The http_proxy environment variable should not be set.
Actual Result: The http_proxy environment variable is not set.
Check complete. The overall result of this check is: Passed

- Select Simple Install or Advanced Install type. In this demo we will select advanced install option and click Next



- Provide Middleware location. Note 13.1.0.0 EM installer will install WLS 12.1.3.0 in the middleware home location provided and click Next

Oracle Enterprise Manager Cloud Control 13c Installation - Step 5 of 14

Installation Details

Middleware Home Location Browse...

Agent Base directory Browse...

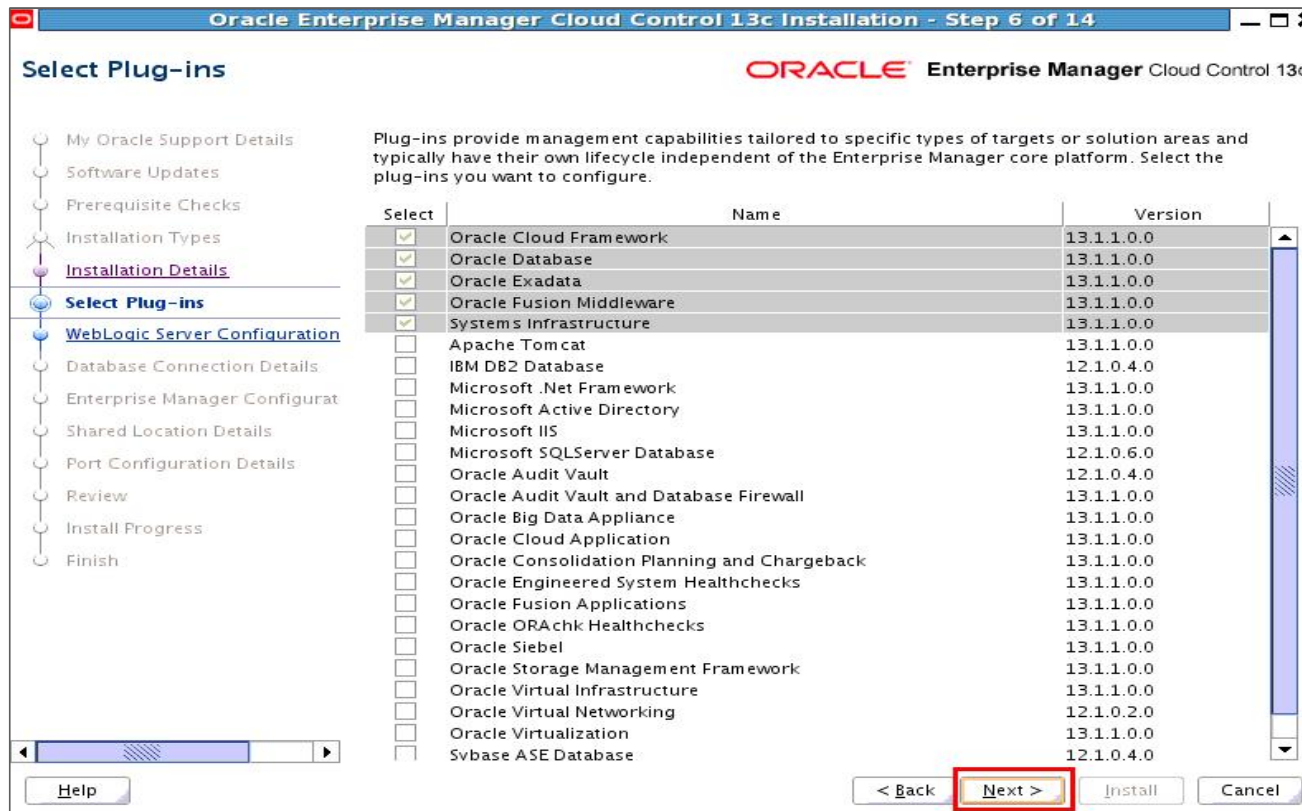
Host Name

Messages:

Help < Back Next > Install Cancel

The Hostname field get pre-populated with the hostname of the host where you will be install the EM 13.1.0.0 This is the time to verify that EM installer has picked up the correct hostname, if not please correct or modify the hostname now

- Select the plugins that you want EM installer to deploy for you. Note the default plugins are already selected, Click Next



- Provide Weblogic and Node Manager credentials
- OMS instance home gets pre-populated. Verify the instance home path and click Next

The screenshot displays the 'WebLogic Server Configuration Details' window in Oracle Enterprise Manager Cloud Control 13c. The window title is 'Oracle Enterprise Manager Cloud Control 13c Installation - Step 7 of 14'. The main content area is titled 'WebLogic Server Configuration Details' and includes the Oracle logo and 'Enterprise Manager Cloud Control 13c' text. On the left, a navigation pane shows a list of steps: 'My Oracle Support Details', 'Software Updates', 'Prerequisite Checks', 'Installation Types', 'Installation Details', 'Select Plug-Ins', 'WebLogic Server Configuration' (highlighted), 'Database Connection Details', 'Enterprise Manager Configuration', 'Shared Location Details', 'Port Configuration Details', 'Review', 'Install Progress', and 'Finish'. The main configuration area contains the following fields:

- WebLogic Domain Name: GCDomain
- WebLogic User Name: weblogic
- WebLogic Password: [masked]
- Confirm Password: [masked]
- Node Manager User Name: nodemanager
- Node Manager Password: [masked]
- Confirm Password: [masked]
- OMS Instance Base Location: /u01/app/Oracle/gc_inst (with a 'Browse...' button)

At the bottom, there is a 'Messages:' section with an empty text area. The bottom navigation bar includes a 'Help' button, a '< Back' button, a 'Next >' button (highlighted with a red box), an 'Install' button, and a 'Cancel' button.

- Provide the database connection details and click Next
- Based on your requirement select the Deployment size
- Based on the selected deployment size installer runs the repository specific checks

Oracle Enterprise Manager Cloud Control 13c Installation - Step 8 of 14

Database Connection Details ORACLE Enterprise Manager Cloud Control 13c

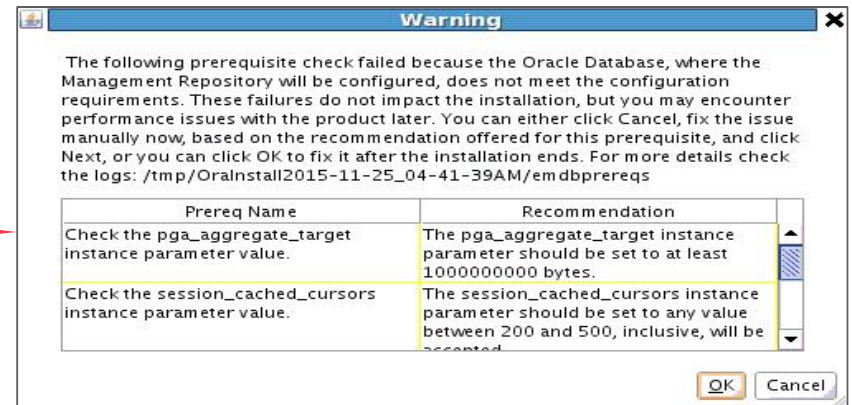
My Oracle Support Details
Software Updates
Prerequisite Checks
Installation Types
Installation Details
Select Plug-ins
WebLogic Server Configuration
Database Connection Details
Enterprise Manager Configuration
Shared Location Details
Port Configuration Details
Review
Install Progress
Finish

Database Host Name: oracle.com
Port: 1521
Service/SID: emrep
SYS Password: ●●●●●●●●
Deployment Size: SMALL (dropdown menu open showing SMALL, MEDIUM, LARGE)

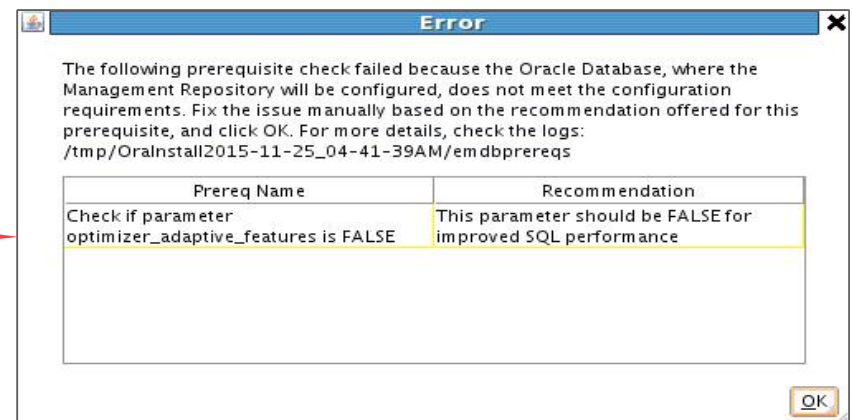
Messages:

Help < Back **Next >** Install Cancel

Installer will throw warning, error if the existing database doesn't meet the requirements. In EM 13.1.0.0 the installer also has the ability to fix some of these error



Some of the error, you have to manually run alter statement to fix the parameter to recommended value. Alter this parameter and click ok



- Provide Sysman and Agent registration password
- The Management tablespace in the installer screen is pre-populated, verify the location and click Next

Oracle Enterprise Manager Cloud Control 13c Installation - Step 9 of 14

Enterprise Manager Configuration Details

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Software Updates
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- WebLogic Server Configuration
- Database Connection Details
- Enterprise Manager Configuration Details**
- Shared Location Details
- Port Configuration Details
- Review
- Install Progress
- Finish

Create **S**YSMAN Password

Confirm Password

Agent Registration Password

Confirm Password

Management Tablespace

Configuration Data Tablespace

JVM Diagnostics Data Tablespace

Messages:

Provide the directory path to configure software library. During EM install software library is configured (Recommended)

Provide the absolute shared directory path leading up to the /config for Config Volume and /cluster for Cluster Volume

Enable Oracle BI Publisher option is default enabled in the installer and it's a optional during install. If selected BI Publisher will be started along with OMS after install. If option is unselected then BI Publisher is not started after install

Oracle Enterprise Manager Cloud Control 13c Installation - Step 10 of 14

Enterprise Manager Shared Location Details

ORACLE Enterprise Manager Cloud Control 13c

- My Oracle Support Details
- Prerequisite Checks
- Installation Types
- Installation Details
- Select Plug-ins
- Logic Server Configuration
- Database Connection Details
- Enterprise Manager Configurat
- Shared Location Details**
- Port Configuration Details
- Review
- Install Progress
- Finish

Configure Oracle Software Library

Software Library Location:

If you are planning to have a multi-OMS setup, then enter a shared location that is accessible from all the OMS instances.

Configure a Shared Location for Oracle BI Publisher

Config Volume:

Cluster Volume:

Sets up the shared storage for BI Publisher, in preparation for adding an OMS (which will also contain a scaled-out BI Publisher). Adding an OMS will also add a BI Publisher server that will function in a High Availability environment. Therefore, BI Publisher will support both redundancy and scalability.

Config volume contains the BI Publisher repository and configuration files.
Cluster volume contains storage required for the BI Publisher scheduler to operate in a HA environment.

Enable BI Publisher

Enable Oracle BI Publisher

Messages:

- Review the default ports picked by the installer and port field in the installer is editable and port can be updated for a component name within that range. Click Next

Oracle Enterprise Manager Cloud Control 13c Installation - Step 11 of 14

Port Configuration Details

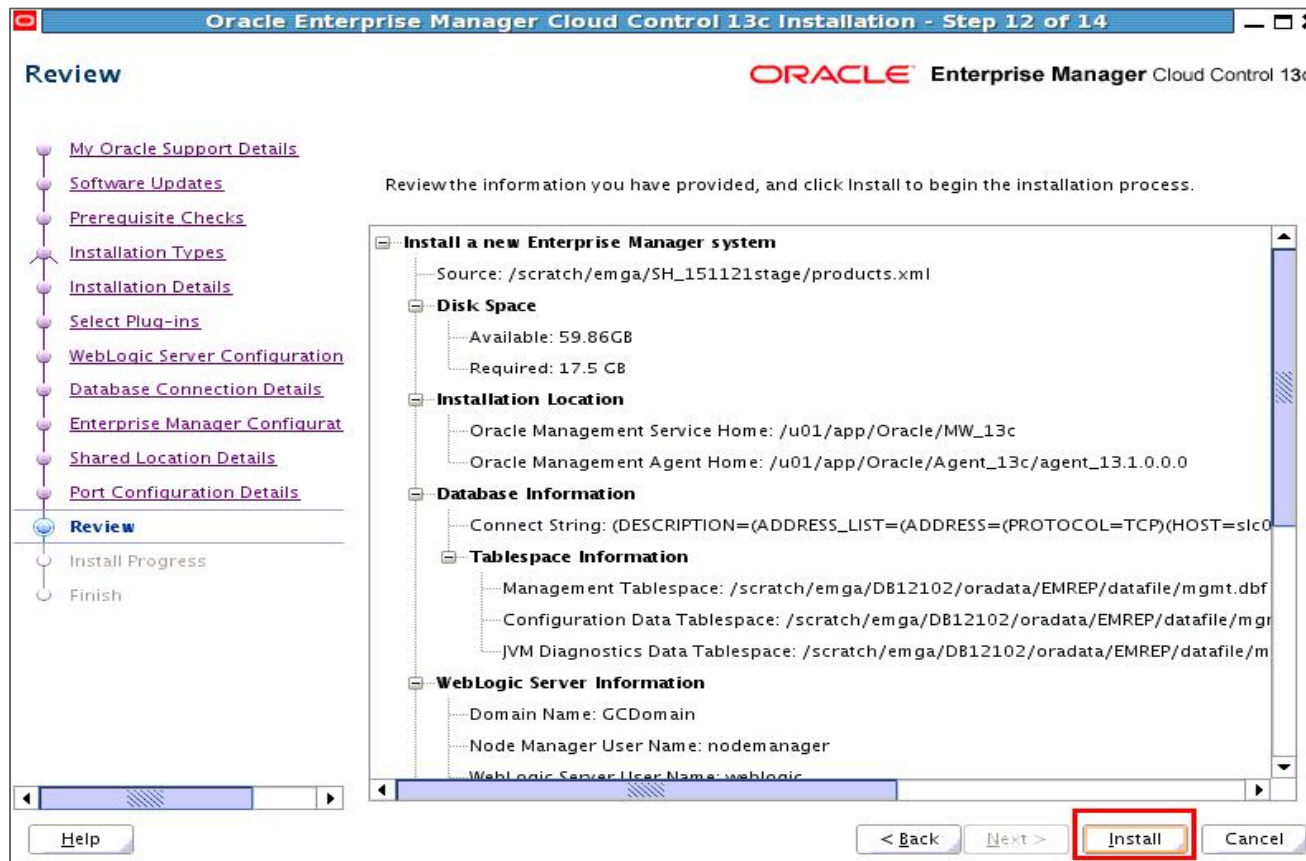
ORACLE Enterprise Manager Cloud Control 13c

Configuration of the Enterprise Manager system requires the allocation of several ports to facilitate internal communication between system components and to provide access to the console through a browser. The following table contains the ports that will be allocated, along with the recommended port ranges, for each component. By default, the first available port in the specified port range has been chosen.

Component Name	Recommended Port Range	Port
Enterprise Manager Upload Http Port	4889-4898	4890
Enterprise Manager Upload Http SSL Port	1159,4899-4908	4901
OHS Http Port	9788,9751-9800	9751
BI Publisher Http Port	9701,9701-9750	9701
Enterprise Manager Central Console Http SSL Port	7799-7809	7801
Node Manager Http SSL Port	7401-7500	7404
BI Publisher Http SSL Port	9801,9801-9850	9804
OHS Http SSL Port	9899,9851-9900	9852
Managed Server Http Port	7201-7300	7202
Oracle Management Agent Port	3872,1830-1849	1832
Enterprise Manager Central Console Http Port	7788-7798	7789
Admin Server Http SSL Port	7101-7200	7102
Managed Server Http SSL Port	7301-7400	7302

Messages:

- Review the details in the review information screen and click Install



Log File Location

- Installation Logs

- oraInventory/logs/*.*

- <ORACLE_HOME>/cfgtoollogs/oui/*.*

: Eg. **ORACLE_HOME=/u01/app/oracle/mw13c**

- Configuration Logs

- <ORACLE_HOME>/cfgtoollogs/cfgfw/*.*

- Specific Configuration tool logs

- **OMS** configuration tool logs: <ORACLE_HOME>/cfgtoollogs/omsca/*.*

- **PluginCA** configuration tool logs: <ORACLE_HOME>/cfgtoollogs/pluginca

- **Repository** configuration tool logs: <ORACLE_HOME>/ sysman/log/schemamanager

Documentation



- Always refer to Install guide
- You can get the guide from OTN

<http://www.oracle.com/technetwork/indexes/documentation/index.html#em>