



FEBRUARY 15, 2024

ORACLE EM CLOUD CONTROL

INSTALLATION VER. 13.5 (CONFIDENTIAL)

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Oracle EM Cloud Control 13.5 Installation on OEL8

Assume that the DB for repository already installed on same host. Oracle DB 19.22 EE with EM CDB & EMPDB and using default port (1521).

```
[oracle@mysqlcirebon Downloads]$ ls -lh em*
-rw-r--r-- 1 oracle oinstall 1.8G Feb 15 08:50 em13500_linux64-2.zip
-rw-r--r-- 1 oracle oinstall 2.0G Feb 15 08:51 em13500_linux64-3.zip
-rw-r--r-- 1 oracle oinstall 1.4G Feb 15 08:51 em13500_linux64-4.zip
-rw-r--r-- 1 oracle oinstall 1.4G Feb 15 08:51 em13500_linux64-5.zip
-rw-r--r-- 1 oracle oinstall 1.5G Feb 15 08:49 em13500_linux64.bin
[oracle@mysqlcirebon Downloads]$ chmod +x em*bin
[oracle@mysqlcirebon Downloads]$ ls -lh em*
-rw-r--r-- 1 oracle oinstall 1.8G Feb 15 08:50 em13500_linux64-2.zip
-rw-r--r-- 1 oracle oinstall 2.0G Feb 15 08:51 em13500_linux64-3.zip
-rw-r--r-- 1 oracle oinstall 1.4G Feb 15 08:51 em13500_linux64-4.zip
-rw-r--r-- 1 oracle oinstall 1.4G Feb 15 08:51 em13500_linux64-5.zip
-rwxr-xr-x 1 oracle oinstall 1.5G Feb 15 08:49 em13500_linux64.bin
[oracle@mysqlcirebon Downloads]$ ./em13500_linux64.bin
Launcher log file is /tmp/OraInstall2024-02-15_09-07-08AM/launcher2024-02-15_09-07-08AM.log.
Extracting the installer . . . . .
. . . . .
. . . . .
. . . . .
. . . . .
. . . . . Done
Checking monitor: must be configured to display at least 256 colors.   Actual 16777216   Passed
Checking swap space: must be greater than 512 MB.   Actual 4095 MB   Passed
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not required)
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2024-02-15_09-07-08AM
ScratchPathValue :/tmp/OraInstall2024-02-15_09-07-08AM
Feb 15, 2024 9:12:12 AM org.apache.sshd.common.io.DefaultIoServiceFactoryFactory getIoServiceProvider
INFO: No detected/configured IoServiceFactoryFactory using Nio2ServiceFactoryFactory

. . . . .
Installation in progress (Thursday, February 15, 2024 10:41:04 AM GMT)
```

Installation Types

ORACLE Enterprise Manager Cloud Control 13c



Installation Types

Software Updates

Prerequisite Checks

Installation Details

Select Plug-ins

WebLogic Server Configuratio

Database Connection Details

Database Prerequisite Check

Enterprise Manager Configur.

Shared Location Details

Port Configuration Details

Review

Install Progress

Finish

☒ Create a new Enterprise Manager system☐ Simple Install☒ Advanced Install☐ Install software only with plug-ins

(Installs only the software binaries with plug-ins. Allows you to configure at a later st...

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Software Updates

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☒ Skip☐ Search for Updates (Prerequisites, Critical Patches, Interim Patches, Plug-ins, etc.)☐ Local Directory

Browse...

☒ My Oracle Support (Requires Internet Connection)

User Name

Password

Search for Updates

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Prerequisite Checks

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

[Rerun](#) [Ignore](#)

Prerequisite Name	Status
Checking whether the required glibc package is installed on the h...	Succeeded
Checking for sufficient TEMP directory space...	Succeeded
Checking for sufficient inventory directory space...	Succeeded
Checking whether the software is compatible with the current op...	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
Checking for the EMCLI_STATE_DIR environment variable.	Succeeded

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

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

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

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Middleware Home Location

Agent Base directory

Host Name

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Select Plug-ins

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Plug-ins provide management capabilities tailored to specific types of targets or solution areas and typically have their own lifecycle independent of the Enterprise Manager core platform. Select the plug-ins you want to configure.

☐ Select all plugins.

Select	Name	Version
<input checked="" type="checkbox"/>	Oracle Cloud Framework	13.5.1.0.0
<input checked="" type="checkbox"/>	Oracle Database	13.5.1.0.0
<input checked="" type="checkbox"/>	Oracle Exadata	13.5.1.0.0
<input checked="" type="checkbox"/>	Oracle Fusion Middleware	13.5.1.0.0
<input checked="" type="checkbox"/>	Systems Infrastructure	13.5.1.0.0
<input type="checkbox"/>	Apache Tomcat	13.2.1.0.0
<input type="checkbox"/>	Microsoft IIS	13.1.1.0.0
<input checked="" type="checkbox"/>	Oracle Audit Vault and Database Firewall	13.5.1.0.0
<input type="checkbox"/>	Oracle Big Data Appliance	13.5.1.0.0
<input type="checkbox"/>	Oracle Cloud Application	13.5.1.0.0
<input type="checkbox"/>	Oracle Consolidation Planning and Chargeback	13.5.1.0.0
<input type="checkbox"/>	Oracle Fusion Applications	13.5.1.0.0
<input checked="" type="checkbox"/>	Oracle ORAchk Healthchecks	13.4.1.0.0
<input type="checkbox"/>	Oracle Siebel	13.5.1.0.0
<input type="checkbox"/>	Oracle Storage Management Framework	13.5.1.0.0
<input type="checkbox"/>	Oracle Virtual Infrastructure	13.5.1.0.0
<input type="checkbox"/>	Oracle Virtualization	13.5.1.0.0
<input type="checkbox"/>	Zero Data Loss Recovery Appliance	13.5.1.0.0


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Log: /tmp/OracleInst13024_03_15_09_07_09AM

Paswd: oracle123

WebLogic Server Configuration Details

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WebLogic Domain Name GCDomain

WebLogic User Name weblogic

WebLogic Password

Confirm Password

Node Manager User Name nodemanager

Node Manager Password

Confirm Password

OMS Instance Base Location /oracle/product/gc_inst

Browse...

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Database Connection Details

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Database Host Name

Port

Service/SID

SYS Password

Deployment Size

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Database Prerequisite Checks

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Check Again

Auto Fix

Show Failed/Warning ▾

Prereq Name	Status	Auto Fixable
Check the session_cached_cursors instance paramet...	Warning	
Check the sga_target instance parameter value.	Warning	
Check the shared_pool_size instance parameter value.	Warning	
Check the redo log size.	Warning	

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Paswd: oracle123

Enterprise Manager Configuration Details

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Create SYSMAN Password

Confirm Password

Agent Registration Password

Confirm Password

Management Tablespace /oracle/oradata/EMCDB/empdb/mgmt.dbf

Configuration Data Tablespace acle/oradata/EMCDB/empdb/mgmt_ecm_depot1.dbf

JVM Diagnostics Data Tablespace /oracle/oradata/EMCDB/empdb/mgmt_deepdive.dbf

Reset to Default

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Enterprise Manager Shared Location Details

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☒ Configure Oracle Software LibrarySoftware 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.

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Port Configuration Details

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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	4889
OHS Http SSL Port	9899,9851-9900	9851
Managed Server Http Port	7201-7300	7203
Oracle Management Agent Port	3872,1830-1849	3872
Enterprise Manager Central Console Http Port	7788-7798	7788
Node Manager Http SSL Port	7401-7500	7403
OHS Http Port	9788,9751-9800	9788
Admin Server Http SSL Port	7101-7200	7102
Managed Server Http SSL Port	7301-7400	7301
Enterprise Manager Upload Http SSL Port	1159,4899-4908	4903
Enterprise Manager Central Console Http SSL Port	7799-7809	7803

Messages:

Review

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Review the information you have provided, and click Install to begin the installation process.

JVM Diagnostics Data Tablespace: /oracle/oradata/EMCDB/empdb/mgmt_deepdive.c

WebLogic Server Information

- Domain Name: GCDomain
- Node Manager User Name: nodemanager
- WebLogic Server User Name: weblogic

Ports

- Enterprise Manager Upload Http Port : 4889
- OHS Http SSL Port : 9851
- Managed Server Http Port : 7203
- Oracle Management Agent Port : 3872
- Enterprise Manager Central Console Http Port : 7788
- Node Manager Http SSL Port : 7403
- OHS Http Port : 9788
- Admin Server Http SSL Port : 7102
- Managed Server Http SSL Port : 7301
- Enterprise Manager Upload Http SSL Port : 4903
- Enterprise Manager Central Console Http SSL Port : 7803

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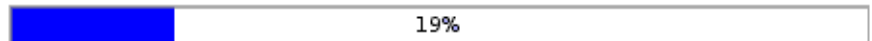
17:35

Installation Progress Details

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Progress



Starting Installations

[Retry](#)

Detailed Status

Status	Step	Log Details
	Copy files Configure Run root scripts	View Log

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Installation Progress Details

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Installation Progress Details

Software Library

Prerequisites

Installation Progress

Select Plug-in

WebLogic Server

Database Configuration

Database Configuration

Enterprise Manager

Shared Location

Port Configuration

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Execute Configuration scripts

You must run the following configuration scripts as the "root" user.

Scripts to be executed

Number	Script Location
1	/oracle/product/emfmw13.5/allroot.sh

To execute the configuration scripts:

1. Open a new terminal window.
2. Login in as "root".
3. Run the scripts.
4. Return to this window and click "OK" to continue.

OK

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```
[opc@mysqlcirebon ~]$ sudo su -
Last login: Thu Feb 15 05:37:40 GMT 2024
Last failed login: Thu Feb 15 12:15:49 GMT 2024 from 218.92.0.29 on ssh:notty
There were 226 failed login attempts since the last successful login.
[root@mysqlcirebon ~]# cd /oracle/product/emfmw13.5; ./allroot.sh;

Starting to execute allroot.sh .....

Starting to execute /oracle/product/emfmw13.5/root.sh .....
Check /oracle/product/emfmw13.5/install/root_mysqlcirebon_2024-02-15_12-18-05.log for the output of root script

Finished product-specific root actions.
/etc exist
Finished execution of /oracle/product/emfmw13.5/root.sh .....

Starting to execute /oracle/product/agent13.5/agent_13.5.0.0.0/root.sh .....

Finished product-specific root actions.
/etc exist
Finished execution of /oracle/product/agent13.5/agent_13.5.0.0.0/root.sh .....
[root@mysqlcirebon emfmw13.5]#
```


Finish

ORACLE Enterprise Manager Cloud Control 13c

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This information is also available at:

`/oracle/product/emfmw13.5/install/setupinfo.txt`

See the following for information pertaining to your Enterprise Manager installation:

Use the following URL to access:

1. Enterprise Manager Cloud Control URL:
`https://mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com:7803/em`
2. Admin Server URL:
`https://mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com:7102/console`

The following details need to be provided while installing an additional OMS:

1. Admin Server Host Name:
`mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com`
2. Admin Server Port: 7102

You can find the details on ports used by this deployment at :
`/oracle/product/emfmw13.5/install/portlist.ini`

NOTE:

An encryption key has been generated to encrypt sensitive data in the Management Repository. If this key is lost, all encrypted data in the Repository becomes unusable.

A backup of the OMS configuration is available in
`/oracle/product/gc_inst/em/EMGC_OMS1/sysman/backup` on host
`mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com`. See Cloud Control Administrators Guide for details on how to back up and recover an OMS.

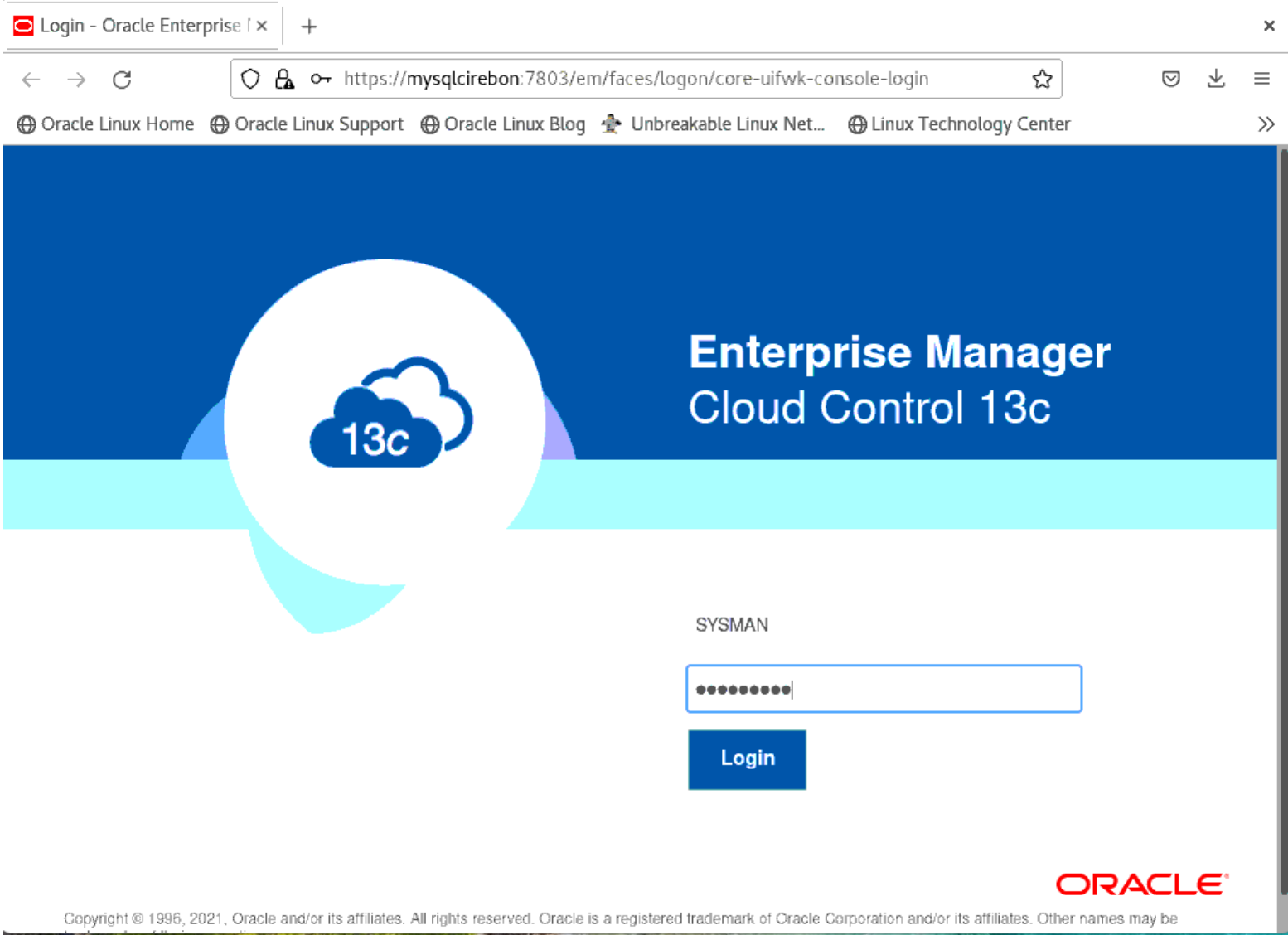
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Install

Close



19.22

License Agreement

✕

+

←

→

↺

🔒

https://mysqlcirebon:7803/em/faces/admin/rep/licenseAgreement

☆

📧

📄

☰

🌐 Oracle Linux Home

🌐 Oracle Linux Support

🌐 Oracle Linux Blog

🔗 Unbreakable Linux Net...

🌐 Linux Technology Center

➤

ORACLE® Enterprise Manager Cloud Control 13c

SYSMAN ▾

⋮

License Agreement

Clicking the "I Accept" button below confirms your agreement that you comply with each of the following statements:

Oracle Enterprise Manager provides central management of your entire Oracle environment. Note that usage of certain product features requires separate licenses for Oracle Enterprise Manager Management Packs. You can enable or disable access to Management Pack features to stay compliant with your license terms. This can be done for individual targets, or you can use batch update to enable or disable management packs for all targets of a specific type.

Management Pack features can be accessed through Oracle Enterprise Manager Cloud Control browser interface, EMCLI (Enterprise Manager Command-line Interface) as well as through APIs provided with Oracle Database software. Access with any of these methods requires appropriate Management Pack license. For detailed information on the functionality contained within these packs, please refer to the Oracle Database Licensing Information document, the Oracle Application Server Licensing Information document or the Oracle Enterprise Manager Licensing Information document.

I Accept

I Do Not Accept

All Targets - Oracle Enterp
+

https://mysqlcirebon:7803/em/faces/core-uifwk-targetSearch-home?q=

Oracle Linux Home
Oracle Linux Support
Oracle Linux Blog
Unbreakable Linux Net...
Linux Technology Center

ORACLE Enterprise Manager Cloud Control 13c

Information
This page is successfully set as My Home. Change the home page selection by clicking the 'Welcome Page' menu item under the User Name menu at the top of the page.

All Targets
Auto Refresh Off
Page Refreshed Feb 15, 2024 12:25:26 PM GMT

Refine Search
View Search Target Name
Save Search
Saved Searches

Target Type	Target Name	Target Type
Cloud	/EMGC_GCDomain/GCDomain	Oracle WebLogic Domain
Cloud (1)	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster	Oracle Coherence Cluster
Groups, Systems and Services	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster/*oracle.mds.localc...	Oracle Coherence Cache
EM Service (2)	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster/*oracle.mds.localc...	Oracle Coherence Cache
Management Servers (1)	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster/*oracle.wls.internal...	Oracle Coherence Cache
Middleware	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster/*oracle.wls.internal...	Oracle Coherence Cache
Application Deployment (5)	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster/*oracle.wls.internal...	Oracle Coherence Cache
Domain Application Deployment (5)	/EMGC_GCDomain/GCDomain/defaultCoherenceCluster/EMGC_ADMINSE...	Oracle Coherence Node
Metadata Repository (2)	/EMGC_GCDomain/GCDomain/emgc	Domain Application Deployment
Oracle Coherence Cache (7)		
Oracle Coherence Cluster (1)		
Oracle Coherence Node (1)		

Columns Hidden 14
Targets Found 39

```
[oracle@mysqlcirebon ~]$ vi .bash_profile
[oracle@mysqlcirebon ~]$ cat .bash_profile
# .bash_profile

# Get the aliases and functions
if [ -f ~/.bashrc ]; then
    . ~/.bashrc
fi

# User specific environment and startup programs
. /home/oracle/db_profile.env
export AGENT_HOME=/oracle/product/agent13.5/agent_inst
export OMS_HOME=/oracle/product/emfmw13.5
[oracle@mysqlcirebon ~]$ . .bash_profile
[oracle@mysqlcirebon ~]$ env|grep OMS_H
OMS_HOME=/oracle/product/emfmw13.5
[oracle@mysqlcirebon ~]$ env|grep AGENT_H
AGENT_HOME=/oracle/product/agent13.5/agent_inst
[oracle@mysqlcirebon ~]$ cd $AGENT_HOME/bin
[oracle@mysqlcirebon bin]$ ./emctl status agent
Oracle Enterprise Manager Cloud Control 13c Release 5
Copyright (c) 1996, 2021 Oracle Corporation. All rights reserved.
-----
Agent Version           : 13.5.0.0.0
OMS Version             : 13.5.0.0.0
Protocol Version        : 12.1.0.1.0
Agent Home              : /oracle/product/agent13.5/agent_inst
Agent Log Directory     : /oracle/product/agent13.5/agent_inst/sysman/log
Agent Binaries          : /oracle/product/agent13.5/agent_13.5.0.0.0
Core JAR Location       : /oracle/product/agent13.5/agent_13.5.0.0.0/jlib
Agent Process ID        : 233430
Parent Process ID       : 233376
```

```
Agent URL : https://mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com:3872/emd/main/
Local Agent URL in NAT : https://mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com:3872/emd/main/
Repository URL : https://mysqlcirebon.sub07280429360.vcnmii.oraclevcn.com:4903/empbs/upload
Started at : 2024-02-15 12:16:37
Started by user : oracle
Operating System : Linux version 5.15.0-103.114.4.el8uek.x86_64 (amd64)
Number of Targets : 35
Last Reload : (none)
Last successful upload : 2024-02-15 12:31:41
Last attempted upload : 2024-02-15 12:31:41
Total Megabytes of XML files uploaded so far : 1.99
Number of XML files pending upload : 0
Size of XML files pending upload(MB) : 0
Available disk space on upload filesystem : 78.68%
Collection Status : Collections enabled
Heartbeat Status : Ok
Last attempted heartbeat to OMS : 2024-02-15 12:31:52
Last successful heartbeat to OMS : 2024-02-15 12:31:52
Next scheduled heartbeat to OMS : 2024-02-15 12:32:52
```

```
-----
Agent is Running and Ready
[oracle@mysqlcirebon bin]$ cd $OMS_HOME/bin
[oracle@mysqlcirebon bin]$ ./emctl status oms
Oracle Enterprise Manager Cloud Control 13c Release 5
Copyright (c) 1996, 2021 Oracle Corporation. All rights reserved.
WebTier is Up
Oracle Management Server is Up
JVMD Engine is Up
[oracle@mysqlcirebon admin]$ cd $OMS_HOME/bin
[oracle@mysqlcirebon bin]$ ./emctl stop oms -all
Oracle Enterprise Manager Cloud Control 13c Release 5
Copyright (c) 1996, 2021 Oracle Corporation. All rights reserved.
Stopping Oracle Management Server...
WebTier Successfully Stopped
Oracle Management Server Successfully Stopped
AdminServer Successfully Stopped
Oracle Management Server is Down
JVMD Engine is Down
[oracle@mysqlcirebon bin]$ cd $AGENT_HOME/BIN
-bash: cd: /oracle/product/agent13.5/agent_inst/BIN: No such file or directory
[oracle@mysqlcirebon bin]$ cd $AGENT_HOME/bin
[oracle@mysqlcirebon bin]$ ./emctl stop agent
Oracle Enterprise Manager Cloud Control 13c Release 5
Copyright (c) 1996, 2021 Oracle Corporation. All rights reserved.
Stopping agent ... stopped.
[oracle@mysqlcirebon bin]$ dbshut $ORACLE_HOME
Processing Database instance "EMCDB": log file /oracle/product/dbhome19c_1/rdbms/log/shutdown.log
[oracle@mysqlcirebon bin]$
```