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Oracle Database 11g Administration and Development



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Install Oracle Enterprise Manager Cloud Control 12c

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©PTXTRA – LAB-P1

Install Oracle Enterprise Manager Cloud Control 12c

In this Lab, you will install and configure Enterprise Manager Cloud Control 12c (Grid Control) to administer multiple databases, Instances and Servers.



A. Virtual Machine with the following configuration

1. Virtual Machine Name: **HP_TOWER**
2. Memory (RAM) – 3GB (which is 3072mb) Hard Drive – 80GB
3. Network Adapter – Network Address Translation (NAT)
4. Hostname: `ptcloud12c.domain` `ptcloud12c`
5. root password : *(Our usual class password)*
6. User : `oracle`
7. Password : `oraclepass`

** ADMIN II - LAB-07: Clone Oracle Database using RMAN DUPLICATE is absolutely required to proceed with this Lab **



B. Oracle Instance

8. Oracle SID : **ptdb**

9. Listener Port : **1521**

10. Service Name: **DEV**

11. Login : **sqlplus / as sysdba**

12. Change Passwords to (*Our usual class password*)

Alter user sys identified by (Our usual class password);

Alter user system identified by (Our usual class password);

Alter user dbsnmp identified by (Our usual class password);

Alter user sysman identified by (Our usual class password);

Alter user mgmt_view identified by (Our usual class password);



C. FTP OEM Cloud Control 12c Installation Zip

13. Login as user: **oracle**

14. Create Staging Directory: **/home/oracle/stage/em12c**

15. Using SFTP feature of TOAD, Transfer OEM Cloud Control 12c Installation Zip files from Windows 7 (Client) to Linux (server) (*skip this step if the files have been downloaded directly into Linux*)

em12cr2_linux64_disk1.zip , em12cr2_linux64_disk2.zip , em12cr2_linux64_disk3.zip

16. **UNZIP** oracle Installation files to **/home/oracle/stage/em12c**



D. Configure the Database for Grid Control

*****This is a sample document*****

For a full version email
oraclelabs@pishontechnologies.com

Or register at
<http://www.pishontechnologies.com/enrollinfo.htm>



E. Install OEM Cloud Control 12c (Continued)

The installation would run for a long time depending on the speed of your machine. If something fails, you can immediately verify the issue by clicking the link to the log. As soon you fix the issue, you can rerun the failed step.

The last screen of the installation displays the link information for the OEM Cloud Control Console and the Administration URL. This information is also available in the file *setupinfo.txt*

SAMPLE



F. Accessing/Testing OEM Cloud Control 12c

35. With your Browser: [https:// ptcloud12c.domain :7801/em](https://ptcloud12c.domain:7801/em) OR [https:// 192.168.???.???:7801/em](https://192.168.???.???:7801/em)

36. Username: `sysman`

37. Password: `webPassw0rd`

Explore your Oracle Enterprise Cloud Control 12c

38. Set Environment: Oracle management Service, Agent and Weblogic Domain Homes

```
OMS_HOME=$ORACLE_BASE/Middleware/oms
```

```
AGENT_HOME= $ORACLE_BASE/Middleware/agent/core/12.1.0.1.0
```

```
DOMAIN_HOME=$ORACLE_BASE/Middleware/gc_inst/user_projects/domains/GCDomain
```

39. Display OMS details: `$OMS_HOME/bin/emctl status oms -details`



G. Register Database (ptdb) to OEM Cloud Control 12c

40. OEM Cloud Control 12c will not automatically monitor a database
41. Follow the screen: **Target/Database/Search List/Add**
42. Host: **ptcloud12c.domain**
43. Provide Monitor (dbsnmp) Password: **<classpassword>**

SAMPLE



G. Register Database (ptdb) to OEM Cloud Control 12c (Continued)

Discovering Targets on Host: ptcloud12c.domain

Cancel Back Save

Summary

Following Database systems will be created for the discovered databases and related targets. Rest of the targets in the second table will be saved but will not be part of any database system.

Database Systems

Expand All | Collapse All

Name	Type	Host
Database Systems		
ptdb_sys		
LISTENER_ptcloud12c.domain	Listener	ptcloud12c.domain
ptdb	Database Instance	ptcloud12c.domain

Targets

Name	Type	Host
No items found		

Targets Global Properties

Name	Value
Comment	This is the Database for EM repository
Contact	Billy Efik
Cost Center	
Department	Pishon Techonologies Inc
Lifecycle Status	Test
Line of Business	
Location	Atlanta HQ

Cancel Back Save



G. Register Database (ptdb) to OEM Cloud Control 12c (Continued)

Target Configuration Results

ptdb:

Properties for database target have been updated.

Database System **ptdb_sys** has been created

LISTENER_ptcloud12c.domain:

Listener target has been added.

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H. Register Database (orcl) to OEM Cloud Control 12c

*****This is a sample document*****

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K. Troubleshooting OMS issues - Backend WLS or EM application seems to be down (Continued)

56. Start OMS: `$OMS_HOME/bin/emctl start oms`

57. Start Agent: `$AGENT_HOME/bin/emctl start agent`

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Congratulations, you have successfully installed Oracle Enterprise Manager Cloud Control 12c to administer 2 databases and Server

Looking ahead!! You will be installing and configuring a standby database – Oracle Active Dataguard.

You can send emails to oraclelabs@pishontechnologies.com , if you have any problems.

