



Vendor: Oracle

Exam Code: 10g OCM

Exam Name: Oracle Database 10g Administrator Certified Master Exam

Version: DEMO

Duration: 2 Days

First Day:

Section 0:	Create the Database	45 Minutes
Section 1:	Database and Network Configuration	120 Minutes
Section 2:	Grid Control Installation and Configuration	120 Minutes
Section 3:	Database Backup and Recovery	60 Minutes
Section 4:	Data Warehouse Management	90 Minutes

Second Day:

Section 5:	Database Management	120 Minutes
Section 6:	Database Performance Management	120 Minutes
Section 7:	Oracle RAC Database Deployment	105 Minutes
Section 8:	Data Guard Deployment	60 Minutes

NOTE: The exam starts promptly at 9:00 AM. Plan on finishing no sooner than 6:00 PM. Late arrivals are not guaranteed entry but may be accommodated at the sole discretion of the proctor.

Plan your travel schedule accordingly to ensure enough time to work through each scenario. Participants are not permitted to enter or leave the classroom once a skillset has started; they must wait until the next skillset.

Scoring

Participants are scored on their ability to complete assigned tasks and to recover from various database failure scenarios. Data from each participant's environment is collected at the end of each scenario and used to determine the final score. In some scenarios, participants may receive partial credit, however the inability to recover from a failure scenario results in zero credit for an entire scenario. The proctor is not responsible for scoring the exam and will not have scoring information during the event.

Participants will be notified of their final score 4 - 5 weeks following the exam. Upon attaining a successful score, a participant is awarded the Oracle Certified Master credential. Participants who do not earn a passing score are required to retake the entire exam at a later date.

Section 0: Create the Database

*45 Minutes

1. Database Setup and Undo Management

1.1 Run the minimum required scripts to complete the basic configuration of the PROD database.

1.2 Set up automatic undo management in the PROD database to support the following requirements:

1.2.1 Avoid ORA-01555 Snapshot too old errors for queries running up to 90 minutes on average.

1.2.2 The number of concurrent OLTP users will be approximately 120 during normal business hours.

1.2.3 The number of concurrent batch processes that will run in the evenings and weekends will approximately 12 to 15

```
1. vi .bash_profile
    export ORACLE_SID=prod
    export EDITOR=vi
2. vi /etc/oratab
    prod:/u01/app/oracle/OracleHomes/db10g:N
3. create initPROD.ora
    cat init.ora |grep -v ^# |grep -v ^$ > initprod.ora
-----
db_name=prod
  db_block_size=8192
compatible='10.2.0.1.0'

sga_max_size=300m
sga_target=300m
log_buffer=524288
processes=250
control_files=(/u01/app/oracle/oradata/PROD/Disk1/ctrl1.ctl,
/u01/app/oracle/oradata/PROD/Disk2/ctrl2.ctl,/u01/app/oracle/oradata/PROD/Disk3/c
trl3.ctl)

audit_file_dest='/u01/app/oracle/admin/PROD/adump'
background_dump_dest='/u01/app/oracle/admin/PROD/bdump'
core_dump_dest='/u01/app/oracle/admin/PROD/cdump'
user_dump_dest='/u01/app/oracle/admin/PROD/udump'
undo_management=AUTO
```

----- See more from Full Version -----

Section 1: Database and Network Configuration

*120 Minutes

2. Server-side Network Configuration

2.1 Create a listener using the default listener name.

2.1.1 The TCP/IP protocol will be used for all connections. Use the machine name(not the IP address) for host.

2.1.2 This listener will listen on the default port.

2.1.3 Databases: PROD and EMREP(created later) will be serviced by this listener.

2.2 Add a second listener , named LSNR2,which will listen on port 1526.Configure this listener to support only automatic instance registrations.

2.2.1 Set up the PROD instance to automatically register with the LSNR2.

2.3 Start both listeners.

1. create listener.ora

```
[oracle@vmrac1 admin]$ cat listener.ora
```

```
LISTENER =
  (ADDRESS_LIST=
    (ADDRESS=(PROTOCOL=tcp) (HOST=vmrac1) (PORT=1521))
  )

SID_LIST_LISTENER=
  (SID_LIST=
    (SID_DESC=
      (GLOBAL_DBNAME=prod)
      (SID_NAME=prod)
      (ORACLE_HOME=/u01/app/oracle/OracleHomes/db10g)
    )
    (SID_DESC=
      (GLOBAL_DBNAME=emrep)
      (SID_NAME=emrep)
      (ORACLE_HOME=/u01/app/oracle/OracleHomes/db10g)
    )
  )
)
```

```
lsnr2 =
  (ADDRESS_LIST=
    (ADDRESS=(PROTOCOL=tcp) (HOST=vmrac1) (PORT=1526))
  )
```

2. create tnsnames.ora

```
[oracle@vmrac1 admin]$ cat tnsnames.ora
```

```
prod =
  (description =
    (ADDRESS_LIST=
      (ADDRESS=(PROTOCOL=tcp) (HOST=vmrac1) (PORT=1521))
    )
  (connect_data =
```

```

        (server = dedicated)
        (service_name = prod)
    )
)

prod_s =
  (description =
    (ADDRESS_LIST=
      (ADDRESS=(PROTOCOL=tcp) (HOST=vmrac1) (PORT=1526))
    )
    (connect_data =
      (server = shared)
      (service_name = prod)
    )
  )
)

emrep =
  (description =
    (ADDRESS_LIST=
      (ADDRESS=(PROTOCOL=tcp) (HOST=vmrac1) (PORT=1521))
    )
    (connect_data =
      (server = dedicated)
      (service_name = emrep)
    )
  )
)

racdb =
  (description =
    (ADDRESS_LIST=
      (ADDRESS=(PROTOCOL=tcp) (HOST=rac1) (PORT=1521))
      (ADDRESS=(PROTOCOL=tcp) (HOST=rac2) (PORT=1521))
    )
    (connect_data =
      (server = dedicated)
      (service_name = racdb)
    )
  )
)

lsnr2 =
  (description =
    (ADDRESS_LIST=
      (ADDRESS=(PROTOCOL=tcp) (HOST=vmrac1) (PORT=1526))
    )
  )
)

```

----- See more from Full Version -----

Section 2: Grid Control Installation and Configuration

* 120 Minutes

1. Grid Control Installation

1.1 Create a database for your repository on your Database Server

1.1.1 Use EMREP for database name and instance name.

1.1.2 Label Security is the only option needed with the EMREP database.

1.2 Install Grid Control on your Management Server using the installation media found under /stage/gc/Disk1.

1.3 Deploy an Oracle Management Agent on your Database Server

1.4 Create a Grid Control super user called EMADMIN with the password EMADMIN

Click setup -> Administrators -> Create

The screenshot shows the Oracle Enterprise Manager 10g Grid Control console. The breadcrumb navigation is 'Enterprise Manager Configuration | Management Services and Repository | Agents'. The left sidebar shows 'Administrators' selected. The main content area displays the 'Administrators' page with a search bar and a table of existing administrators. The 'Create' button is highlighted with a mouse cursor.

Select Name	Access
<input checked="" type="radio"/> SYS	Super Administrator
<input type="radio"/> SYSMAN	Repository Owner
<input type="radio"/> SYSTEM	Super Administrator

Create Administrator: Properties

Name: EMADMIN

Password: ●●●●●●

Confirm Password: ●●●●●●

E-mail Address:

Specify one or more e-mail addresses separated by a comma or space. If you

Super Administrator

The screenshot shows the Oracle Enterprise Manager 10g Grid Control console after creating the EMADMIN user. The 'Create' button is highlighted. The table below shows the list of administrators, with 'EMADMIN' selected and highlighted.

Select Name	Access
<input checked="" type="radio"/> EMADMIN	Super Administrator
<input type="radio"/> SYS	Super Administrator
<input type="radio"/> SYSMAN	Repository Owner
<input type="radio"/> SYSTEM	Super Administrator

----- See more from Full Version -----