

Oracle Database 11g: Oracle Certified Master Upgrade (OCM)

Duration: 1 Day

What you will learn

An Oracle Certified Master is a top-level Oracle expert who has in depth technical knowledge of the Oracle data server and industry experience managing mission critical Oracle database systems and applications. An OCM is looked upon as an expert within their organization, amongst their peers and across the industry. The OCM exam is conducted at designated Oracle University facilities in each global region.

Prerequisites for Registration

Before registering for the 11g Upgrade OCM, you must do the following:

Earn your Oracle9i Database or Oracle Database 10g Administrator Certified Master (OCM) credential

OCM participants complete a series of skill-sets and resolve technical and failure problems within an Oracle 11g environment. Visit the Oracle Certification Program website to view all the details about the OCM exam, including the minimum recommended skills.

<http://www.oracle.com/education/certification> Skill-sets are timed and require a high degree of Oracle database knowledge to successfully complete them. It is highly recommended that participants have a minimum of 3 – 4 years of Oracle database administrator experience. Oracle Testing ID

You must provide your 9-character Oracle Testing ID to initiate the OCM exam. The Oracle Testing ID is the unique identifier associated with your Oracle exam history at Prometric and Pearson Vue. We strongly recommend that OCM candidates locate their Oracle Testing ID at least one week prior to their exam date. To set up a web account with Pearson Vue and confirm an Oracle Testing ID, visit <http://www.pearsonvue.com/oracle>. Follow these instructions to obtain your Oracle ID.

Audience

Database Administrators
Technical Consultant

Related Training

Required Prerequisites

Advanced knowledge and use of Oracle Enterprise Server technology and features

Proficiency in Oracle 11g SQL

Working knowledge of LINUX commands

Oracle9i Database or Oracle Database 10g OCM Certification

Course Objectives

To test the participants with a series of skill sets and determine their ability to resolve technical problems within a live Oracle 11g database environment

Course Topics

Database, RMAN, EM and Network Configuration

Configure server-side network, Configure client-side network
Create and Manage encrypted tablespaces
Create and Manage a tablespace that uses NFS mounted file system file
Set up ADR file based repository, Perform cold database backup
Manage user accounts and use case sensitive passwords, Use OPatch to install a patch
Install and configure EM Agent, Create Base Recovery Catalog, Configure RMAN
Perform multisection backup of a datafile
Create an Archival Backup

Data Guard

Create Physical Standby Database with real-time apply
Configure the data guard environment to reduce overheads of fast incremental backups on the primary database
Configure the Observer
Switchover and switch back
Convert the standby to a snapshot standby
Configure archivelog deletion policy for the dataguard configuration

Data and Data Warehouse Management

Troubleshoot fast materialized views to fast refresh and query rewrite
Add a tablespace by using Transportable Tablespace Feature of Data Pump Import (cross platform transportable tablespaces)
Configure a schema to support a star transformation query
Configure and use parallel execution for queries
Use and access SecureFile LOBS
Create partitioned tables (includes reference and interval partitioning)
Configure Flashback Data Archive
Use Oracle Streams to capture and propagate changes in a table

Performance Management

Set up and configure Resource Manager to control active sessions, number of I/Os, execution time..etc
Use Result Cache, Use multi column statistics
Gather statistics on a specific table without invalidating cursors
Use partitioned indexes
Use SQL Tuning Advisor, Use SQL Access Advisor
Configure baseline templates
Use SQL Plan Management feature
Replay a captured workload