Oracle Database 11g Certified Master Exam (OCM)

Duration: 2 Days

What you will learn

The Oracle Database 11g Certified Master Exam (OCM) credential is the industry's most advanced Database Administrator certification.
The exam is based on Oracle Database 11g Release 2 (32-bit) and includes the use of Oracle Real Application Clusters (Oracle RAC). The operating system is Oracle Enterprise Linux Release 5.4 (32-bit)

Obtaining the Oracle Certified Master credential requires passing an onsite practical exam—conducted in an Oracle University classroom—that tests candidates on their ability to perform database administration tasks in a live database environment. Skillsets are timed and require a high degree of Oracle database knowledge to successfully complete.

The OCM exam is conducted at designated Oracle University facilities in each global region.
PREREQUISITES FOR REGISTRATION:

It is highly recommended that participants have a minimum of 3 – 4 years of Oracle database administrator experience. More typical of the qualified candidate would be 5 years or more.

Before registering for the 11g OCM, candidates must:

Complete PRIOR CERTIFICATION -Oracle Database 11g Administrator Certified Professional (OCP).
Complete 2 of the Advanced or Specialty courses to meet the Hands On Course Requirements.
Gain considerable hands-on expertise with all the exam objectives.
Get comfortable with the basic Linux command language.
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

Oracle Testing ID
Every candidate must provide their 9-character Oracle Testing ID to initiate the OCM exam. The Oracle Testing ID is the unique identifier associated with candidate's Oracle exam history at Prometric and Pearson Vue. It is strongly recommended 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.

Oracle Database Certified Master (OCM) Exams are now being scheduled in convenient regional delivery centers: Bangalore, India; Beijing and Shanghai, China; Seoul, Korea; Reading, England; HQ and Reston, VA in the US. View the worldwide schedule to select your preferred event.

Check the Oracle Certification Retirements page to ensure that your desired exam is not set to retire before you plan to take it. You can also subscribe to the Oracle Certification Blog to stay up-to-date on new and retiring exams and other announcements that affect your certification.

Audience

Database Administrators
Support Engineer
Technical Consultant

Related Training

Required Prerequisites

Candidates should have a minimum of 3 – 4 years of Oracle database administrator experience.

Complete 2 of the Advanced or Specialty courses to meet the Hands On Course Requirements.

Complete PRIOR CERTIFICATION -Oracle Database 11g Administrator Certified Professional (OCP)

Every candidate must have their 9-character Oracle Testing ID to initiate the OCM exam.

Suggested Prerequisites
Advanced knowledge and use of Oracle Enterprise Server techn

Familiarity navigating through online Oracle documentation

Proficient with SQL

Proficient with using Mozilla browser software

Course Topics

Server Configuration
Create the database, Determine and set sizing parameters for database structures, Create and manage temporary, perm
Stripe data files across multiple physical devices and locations, Configure the database environment to support optimal d
Create and manage bigfile tablespaces, Create and Manage a tablespace that uses NFS mounted file system file
Create and manage multiple network configuration files, Create and configure a listener, Configure the database instance
Set up network tracing, Manage Oracle network processes
Configure the network environment to allow connections to multiple databases
Use configurationless connections, Use OPatch to install a patch
Use Grid Infrastructure to manage oracle databases and other resources, Use Enterprise Manager Configuration Assista

Enterprise Manager Grid Control
Install and Patch Enterprise Manager Grid Control software, Configure the Enterprise Manager repository, Create Enterp
Use Enterprise Manager to modify a database configuration, Configure Enterprise Manager to modify a database availab
Create and manage jobs, Create and monitor alerts, Create notifications, Implement Grid Control and Database Control
Choose the appropriate tablespace type for the intended use
Create Scheduler jobs, Create schedules, Assign jobs to windows, Create programs, Create job classes
Install the Enterprise Manager Grid Control infrastructure
Deploy Enterprise Manager Grid Control agents
Configure Grid Control for business requirements

Managing Database Availability
Mantain recovery catalogs, Configure Recovery Manager
Use Recovery Manager to perform database backups
Use Recover Manager to perform complete database restore and recovery operations
Configure RMAN
Create different types of RMAN backups to cater for different performance and retention requirements
Set Flashback Database parameters
Configure a Fast Recovery Area
Perform various recovery operations using Flashback technology

Data Management
Manage Materialized Views to improve rewrite and refresh performance
Configure and manage distributed materialized views
Create and Manage encrypted tablespaces, Manage Transport of tablespaces across platforms
Configure a schema to support a star transformation query, Administer external tables
Implement Data Pump export and import jobs for data transfer, Implement Data Pump to and from remote databases
Configure and use parallel execution for queries
Use SQL*Loader
Administer, manage and tune parallel execution

Data Warehouse Management
Administer partitioned tables and indexes using appropriate methods and keys
Perform partition maintenance operations
Maintain indexes on a partitioned table
Implement securefile LOB
Create and manage LOB segments
Implement fine-grained access control
Create and manage contexts
Administer flashback data archive and schema evolution

Performance Management
Administer Resource Manager, Use Result Cache, Use multi column statistics
Gather statistics on a specific table without invalidating cursors
Use partitioned indexes
Administer and tune schema object to support various access methods
Interpret execution plan, Use SQL tuning tools and features
Use SQL Tuning Advisor, Use SQL Access Advisor
Use SQL Performance Analyzer, Configure baseline templates
Use SQL Plan Management feature, Implement instance caging

Grid Infrastructure and ASM
Install Oracle Grid Infrastructure
Create ASM Disk Groups
Create and manage as ASM instance
Implement ASM failure groups
Creating ACFS File System
Start,Stop, Configure and Administer Oracle Grid Infrastructure

Real Application Clusters
Install the Oracle Database 11gR2 software
Configure ASM for the shared disks and create a clustered database
Configure archiving

Configure Services using both Manual and Policy Managed Methods

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
Configure connect time failover
Convert the standby to a snapshot standby
Configure archivelog deletion policy for the dataguard configuration