Oracle Database 12c R2: Clusterware Administration

Course duration

4 días (32 hrs)

This Oracle Database 12c: Clusterware Administration training will explore general cluster concepts and Oracle Clusterware architecture. Work with expert Oracle University instructors through interactive instruction and hands-on exercises to reinforce your learning.In this course, you will be introduced to Oracle Database Exadata Cloud Service.

Learn To:

- Perform Grid Infrastructure pre-installation tasks.
- Install both Standard and Flex clusters.
- Add and remove nodes from a cluster in addition to upgrading and patching existing Grid Homes.
- Manage and administer both Standard Clusters and Policy-Managed Clusters.
- Use Oracle Clusterware to make applications highly available.
- Gain an understanding of the Oracle Database Exadata Cloud Service.

Benefits to You

Learn how to make applications highly available using Oracle Clusterware. You'll walk away with the ability to install, configure, manage and troubleshoot both standard and flex clusters. Furthermore, you will have developed the skills to upgrade and patch Clusterware environments.

Prerequisites

Suggested Prerequisite

- Working knowledge of Oracle Clusterware, ASM & RAC on Linux

  Required Prerequisite

- Working knowledge of Oracle Database 11g: Release 2 on Linux Operating System

  Audience

- Administrator

- Database Administrator

Objectives

- Configure ASM disk groups
- Perform the prerequisite steps for extending a cluster
- Delete a node from a cluster
- Understand the scope and capabilities of what-if command evaluation
- Perform the different types of what-if command evaluation
- Install Grid Infrastructure for Standard and Flex clusters
- Add a Leaf node and a Hub node to a Flex cluster
- Understand Flex Clusters architecture and components
- Understand effect of node failure in Flex Clusters
- Verify the installation
- Describe Cluster hardware best practices
- Describe the Oracle Clusterware architecture
- Describe Clusterware architecture
- Install and configure Flex Clusters
- Gain an understanding of the Oracle Database Exadata Cloud Service

Esquema del curso

1. **Introduction to Grid Infrastructure**
2. **Oracle Clusterware**
3. **Flex Cluster Architecture**
4. **Grid Infrastructure Pre-Installation Tasks**
5. **Installing Grid Infrastructure**
6. **Managing Cluster Nodes**
7. **Traditional Clusterware Management**
8. **Policy Set**
9. **Making Applications Highly Available**
10. **Oracle Database Exadata Cloud Service Overview**