Oracle Hierarchical Storage Manager and QFS 6.0 Admin Ed 1

Duration: 4 Days

What you will learn

This Oracle Hierarchical Storage Manager and QFS 6.0 Administration training offers you the opportunity to learn how to use the Oracle HSM product to create file systems and archive file system data. You'll participate in instructor-led sessions, along with hands-on exercises that reinforce new learning.

Learn To:

Understand the main features of Oracle Hierarchical Storage Manager and QFS products.
Configure and manage archiving.
Configure and manage shared and non-shared file systems.
Recover lost file systems.
Install and initialize Oracle HSM Software.
Configure and understand Oracle HSM features and how to use them.

Benefits to You

Oracle HSM software is designed to provide SAN data sharing among multiple hosts so you don't have to move the data between hosts if you don't need to. The idea is to provide automated retrieval from any medium that's used within the storage infrastructure to back-end the file. As a result, you won't have to worry about where the data is stored.

Increase Operational Efficiency

All of this is ultimately intended to provide operational efficiency. This solution can help reduce the requirement for raw storage management, as the software is doing it for you. It's designed to provide faster disaster recovery.

Audience

End Users
Storage Administrator
Support Engineer
System Administrator
Technical Administrator
Technical Consultant

Related Training

Required Prerequisites

Knowledge of UNIX

Knowledge of file systems

Knowledge of tape and disk storage

Suggested Prerequisites
Oracle Solaris 11 System Administration Ed 4

Oracle Solaris 11 System Administration Ed 5 NEW

UNIX and Linux Essentials

Course Objectives

Describe Oracle HSM

Install Oracle HSM

Configure QFS file systems

Configure the Archiver

Configure the Releaser and Stager

Configure the Recycler

Describe disaster planning and recovery

Explain High Availability and Failover

Learn the new features available in 5.3 and 5.4

Describe Oracle HSM storage basics

Course Topics

Introduction
Course Objectives
Introduction to lab environment

Overview
Describe an overview of StorageTek QFS
Define the major components
Describe what the functions are and how they work
Describe StorageTek QFS configuration basics
Explain what a filesystem and disk partitions (slices) are and how to format them

Installing StorageTek Storage Archive Manager QFS
Plan your environment for StorageTek Storage Archive Manager QFS software
Describe the StorageTek Storage Archive Manager QFS software package

Install StorageTek Storage Archive Manager QFS and StorageTek QFS software
Install StorageTek QFS Manager
Explain basic Installation Configuration steps

Configuring StorageTek QFS File Systems
Describe StorageTek QFS file system configurations
Describe StorageTek QFS software performance components
Size Disk Allocation Units (DAUs) for performance
Explain metadata performance considerations
Describe StorageTek QFS shared file system features
Describe shared file system administration operations

Configuring the Archiver
Describe archive process features
Describe archive cycle events
Describe archive set concepts and features
Describe archive file status flags and attributes
Describe the archiver.cmd file structures
Configure the archiver.cmd file directives
Use the sfind command

Configuring the Releaser and Stager
Describe releasing, staging, and recycling planning
Describe the releasing process
Customize releasing behavior by using the command line interface (CLI)
Describe the staging process
Customize staging behavior by using the CLI

Configuring the Recycler
Describe the recycling process
Explain the default recycle behavior
Identify the differences between archiver-based recycling and library-based recycling
Customize recycling behavior by using the command-line interface (CLI)

Disaster Planning and Recovery
Describe data protection guidelines
Describe metadata backup guidelines
Perform metadata dumps by using the command-line interface (CLI)
Automate metadata backups by using SAM-QFS Manager
Restore files

High Availability and Failover
Describe the supported SAM-QFS high-availability configurations

5.3 and 5.4 New Features
Describe Solaris 11 with StorageTek QFS
Describe DIV and periodic DIV
Describe CIFS
Describe NFSv4 style ACLs
Explain LTFS integration with SAM
Describe Distributed I/O feature
Explain samsetup