

Oracle Solaris 11 ZFS Administration Ed 3

Duration: 3 Days

What you will learn

The Oracle Solaris 11 ZFS Administration course expands your mastery of the ZFS facilities management in the Oracle Solaris 11 operating system. You are presented with complex and integrated ZFS administration concepts that are supported by an intensive hands-on experience. This course highlights an array of advanced subjects and technologies, such as managing the ZFS root pool, protecting data using ZFS access control lists, and implementing the ZFS delegated administration model.

Learn To:

Manage the ZFS Root Pool.

Manage ZFS Pools and Datasets.

Provision Remote Storage Clients.

Configure ZFS Properties.

Protect Your ZFS Data.

Tune and Troubleshoot ZFS.

Benefits To You

This course will benefit system administrators who are looking to get the most out of ZFS on their systems. They will learn about using ZFS with other technologies and how to use ZFS to fulfill their business needs by following the example of the fictional company presented within the course.

Audience

Architect

Support Engineer

System Administrator

Technical Consultant

Related Training

Required Prerequisites

Advanced Oracle Solaris 11 System Administration skill

Suggested Prerequisites

Experience with Oracle Solaris zones

Knowledge of the Oracle Solaris 11 operating system

Knowledge of the ZFS file system

Course Objectives

Managing the ZFS Root Pool

Managing ZFS Pools and Datasets

Provisioning Remote Storage Clients

Configuring ZFS Properties

Protecting Your ZFS Data

Tuning and Troubleshooting ZFS

Learning ZFS Data Management

Course Topics

Introduction to ZFS

Describe ZFS

List ZFS features and benefits

Describe how ZFS works

Describe ZFS utilities

Describe ZFS settable properties

Managing the ZFS Root Pool

Plan the ZFS root pool installation

Manage the ZFS swap and dump devices

Boot from an alternate ZFS root file system

Create a mirrored root pool

Create a rootzpool for a zone

Managing ZFS Pools and Datasets

Configure ZFS pools

Create ZFS datasets

Provision ZFS datasets to nonglobal zones

Upgrade ZFS components

Provisioning Remote Storage Clients

Describe ZFS file system sharing methods

Share ZFS files system over NFS protocol

Share ZFS files system over SMB protocol

Provision ZFS datasets over iSCSI

Configuring ZFS Properties

Manage ZFS snapshots

Manage ZFS clones

- Establish storage quotas and storage reservation
- Configure ZFS deduplication
- Configure ZFS data compression
- Migrate ZFS zpools and datasets
- Delegate a ZFS administrator

Protecting ZFS Data

- Configure ZFS ACLs
- Manage ZFS ACLs
- Encrypt ZFS data

Tuning and Troubleshooting ZFS

- Describe ZFS troubleshooting guidelines
- List the root pool configuration considerations
- List the data pool configuration considerations
- Describe ZFS tuning parameters
- Monitor ZFS health and performance
- Troubleshoot ZFS faults