

## Oracle Solaris 11 ZFS Administration Ed 3 NEW

**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