Oracle Solaris 11 ZFS Administration

Introduction

- Overview
- Course Goals
- Course Agenda
- Introductions
- Your Learning Center
- Your Lab Environment

Planning for Data Management

- Describe other technologies that work with ZFS
- Identifying the Data Storage Requirements of the Business Application
- Identifying the Root Pool Management Requirements
- Identifying the Oracle Solaris ZFS Components Configuration and Management Requirements
- Identifying the ZFS Properties Configuration Requirements
- Identifying access requirements
- Identifying the Business Data Backup and Recovery Requirements

Storage Security

- Protecting Data Using ZFS ACLs
- Using ZFS Delegated Administration

ZFS Pools and Datasets

- Using ZFS Pools
- Discussing ZFS datasets
- Introducing snapshots and clones

General ZFS Administration

- Configuring ZFS properties
- Encrypting ZFS data
- Migrating ZFS data
- Using other protocols on ZFS

Backups and Recovery

- Implement a plan for backing up and restoring ZFS data
- Back up ZFS data using snapshots
- Back up and restore ZFS data remotely
- Using Unified Archives (UA)

Optimizing ZFS workloads

- Storage Pool Practices
- File System Practices
- Disk I/O
- ZFS Tuning Parameters

Monitoring and Troubleshooting

- Identifying ZFS problems
- Resolving ZFS problems
- Repairing damaged ZFS configurations