Transition to Oracle Solaris 11

Duration: 5 Days

What you will learn

This Transition to Oracle Solaris 11 training builds on your system administration experience with Oracle Solaris 10 and is ideal for System Administrators and IT architects who plan and perform transitioning tasks. Expert Oracle University instructors will teach you how to transition from Oracle Solaris 10 to Oracle Solaris 11.

Learn To:

Examine various aspects of planning for the transition from Oracle Solaris 10 to Oracle Solaris 11.

Use the new features delivered with Oracle Solaris 11, including Automated Installer (AI), Image Packaging System (IPS) and network virtualization.

Transition to the Oracle Solaris 11 operating environment by performing a series of guided hands-on labs.

Execute critical tasks associated with operating system migration activities.

Benefits to You

By enrolling in this course, you'll participate in interactive, hands-on labs. These labs include case studies that will showcase best practices when transitioning from Oracle Solaris 10 to Oracle Solaris 11. You'll walk away with the ability to administer zones in Oracle Solaris 11 and more.

Pre-Requisite Knowledge

This course focuses on the new and enhanced features found in the Oracle Solaris 11 operating system. It assumes you already have the skills and knowledge necessary to administer Oracle Solaris 10.

Audience

Data Center Manager
Network Administrator
Support Engineer
System Administrator
System Integrator

Related Training

Required Prerequisites

Experience administering an Oracle Solaris 10 environment

Experience with Oracle Solaris Zones

Knowledge of the ZFS file system

Suggested Prerequisites
System Administration for the Oracle Solaris 10 OS Part 1 NEW

System Administration for the Oracle Solaris 10 OS Part 2

Course Objectives
Manage software updates in Oracle Solaris 11

Explain the new ZFS file system features and enhancements

Administer Zones in Oracle Solaris 11

Manage virtual networks in Oracle Solaris 11

Describe the new features and enhancements in Oracle Solaris 11

Describe new user management features and enhancements

Explain the new security administration features and enhancements

Install Oracle Solaris 11

Course Topics

Introducing the Oracle Solaris 11 New Features and Enhancements
Describe the Solaris operating system features and enhancements that are new with Oracle Solaris 11
Identify planning considerations for transitioning from Solaris 10 to Oracle Solaris 11

Installing the Oracle Solaris 11 Operating System
Plan for the Oracle Solaris 11 OS installation
Describe the Oracle Solaris 11 OS installation methods
Identify the Oracle Solaris 11 OS installation requirements
Install the Oracle Solaris 11 OS using the interactive installer
Install the Oracle Solaris 11 OS using the automated installer (AI)
Migrate JumpStart rules and profiles to AI format
Identify the components of the distribution constructor

Managing Software Updates in Oracle Solaris 11
Describe the Image Package System
Create an IPS repository
Manage software packages using IPS
Publish and removing packages
Manage boot environments

Administering Oracle Solaris 10 Zones in Oracle Solaris 11
Identify zone features and enhancements that are new with Oracle Solaris 11

Configure an Oracle Solaris 11 Zone
Configure an Oracle Solaris 10 Zone on Solaris 11
Migrate a physical Solaris 10 system into an Oracle Solaris 10 Zone on Oracle Solaris 11 (P2V)
Perform a virtual to virtual migration of non-global zones present in source system (V2V)
Configure NFS server in a non-global zone
Create read-only zones

Implementing the New Oracle Solaris 11 Network Features and Enhancements
Identify the network virtualization features and enhancements that are new with Solaris 11
Describe the new and enhanced network utilities
Administer Network Auto-Magic (NWAM)
Describe Solaris 11 network virtualization
Plan for and configure a virtual network
Configure IPMP
Establish network resource controls
Configure a network bridge

Applying the New Storage Enhancements
Describe the new and enhanced storage features
Configure ZFS deduplication
Determine ZFS snapshot differences
Describe the ZFS zpool split functionality
Split a mirrored ZFS pool
Describe ZFS shadow migration
Describe COMSTAR
Configure an iSCSI LUN, target, and initiator

Applying the New System Security Features and Enhancements
Describe the new security features in Oracle Solaris 11
Configure data encryption.
Check the integrity of the system using the Basic Audit Reporting Tool (BART)
Customizing a BART report