

Transition to Oracle Solaris 11 Ed 5

Duration: 5 Days

What you will learn

The Transition to Oracle Solaris 11 training builds on your system administration experience with Oracle Solaris 10 and teaches you the skills and knowledge to transition from Oracle Solaris 10 to Oracle Solaris 11. It's ideal for system administrators who have experience with Oracle Solaris 10 and IT architects responsible for planning and performing transitioning tasks.

Learn To:

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

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

Describe and use new features introduced in Oracle Solaris 11.3.

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

Benefits to You

The System Administrator will benefit from this course because they will be exposed to the new features delivered with Oracle Solaris 11.3 including verified boot for Kernel Zones, Kernel Zones live migration for SPARC, virtualized clocks for zones, first boot service creation tool, secure live migration, and non-root live migration.

Operating System Migration Activities

You'll engage in lab exercises that will walk you through critical tasks associated with operating system migration activities. These labs include case studies that showcase best practices when transitioning from Oracle Solaris 10 to Oracle Solaris 11. Throughout the course, you'll transition to the Oracle Solaris 11 operating environment by performing a series of guided hands-on labs that walk you through critical tasks associated with operating system activities.

Don't Have Oracle Solaris 10 System Administration Experience?

You should consider taking the Oracle Solaris 11 System Administration course followed by the Oracle Solaris 11 Advanced System Administration course. There are a number of new technologies that were introduced in Oracle Solaris 10 which teach you expected prerequisite knowledge you should have before taking this course. Without skills in those areas, you may not be able to keep pace with the course; this course takes you through rapid, in-depth coverage of Oracle Solaris 11 technologies and builds on your Oracle Solaris 10 knowledge.

Audience

Data Center Manager

Network Administrator

Support Engineer
System Administrator
System Integrator

Related Training

Required Prerequisites

System Administration for the Oracle Solaris 10 OS, Part 1

System Administration for the Oracle Solaris 10 OS, Part 2

Course Objectives

Describe Oracle Solaris 11 Features and Enhancements

Manage Software Packages by Using IPS

Install the Oracle Solaris 11 Operating System

Configure the Network

Configure Oracle Solaris Zones

Manage ZFS File System

Secure the Oracle Solaris 11 OS

Course Topics

Introduction

Introducing the Oracle Solaris 11 New Features and Enhancements

Describe the Oracle Solaris 11 features and enhancements

Compare the features of Oracle Solaris 10 and Oracle Solaris 11

Describe a strategy for transitioning from Oracle Solaris 10 to Oracle Solaris 11

Managing Software Packages by Using IPS

Explain the Image Packaging System (IPS)

Configure a local IPS repository

Manage software packages

Describe the use of IPS in packaging the Oracle Solaris OS

Update a system to Oracle Solaris 11.3

Manage boot environments

Installing the Oracle Solaris 11 Operating System

Perform interactive installations of Oracle Solaris 11

Configure an AI server for automated installation of Oracle Solaris 11

Distinguish between JumpStart and AI

Build custom Oracle Solaris images by using distribution constructor

Configuring the Network

- Explain the fundamentals of Oracle Solaris 11 network
- Configure the network in Oracle Solaris 11
- Configure a virtual network
- Configure network high availability
- Configure Packet Filter to control network access
- Manage network resources for optimum utilization
- Monitor network traffic by using observability tools

Administering Oracle Solaris 11 Zones

- Explain the fundamentals of Oracle Solaris 11 zones
- Migrate Oracle Solaris 10 systems
- Configure Oracle Solaris kernel zones
- Configure zones by using AI
- Monitor zone resource consumption

Managing ZFS File System

- Explain Oracle Solaris 11 ZFS file system features
- Migrate UFS and ZFS file systems
- Split a mirrored ZFS storage pool
- Identify ZFS snapshot differences
- Configure ZFS deduplication

Securing the Oracle Solaris 11 OS

- Describe the Oracle Solaris 11 security features
- Explain the Cryptographic Framework feature of Oracle Solaris
- Implement security for automated installations
- Describe ZFS file system encryption
- Manage read-only zones
- Verify file integrity by using BART
- Monitor the audit service
- Assess the compliance of an Oracle Solaris system