

## OIT-TOS11: Transition to Oracle Solaris 11

Course Code: OIT-TOS11

Duration: 5 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

### OVERVIEW

The Transition to Oracle Solaris 11 training and certification course will give you a detailed overview of the transition to Oracle Solaris 11 training builds on your system administration experience with Oracle Solaris 10.

### SKILLS COVERED

On completion of this course, you will know:

- 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

### WHO SHOULD ATTEND?

- Data Center Manager
- Network Administrator
- Support Engineer
- System Administrator
- System Integrator

### PREREQUISITES

- Experience administering an Oracle Solaris 10 environment
- Experience with Oracle Solaris Zones

### Suggested Prerequisites

- System Administration for the Oracle Solaris 10 OS Part 1 NEW
- System Administration for the Oracle Solaris 10 OS Part 2

### MODULES

#### Module 1: 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

#### Module 2: 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

#### Module 3: 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

#### **Module 4: 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

#### **Module 5: 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

#### **Module 6: 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

#### **Module 7: 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

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