

## Oracle Solaris 11 Advanced System Administration Ed 4

**Duration:** 5 Days

### What you will learn

This Oracle Solaris 11 Advanced System Administration training provides an intensive hands-on experience on Oracle Solaris 11.2 operating system. Learn complex and integrated administration concepts through a combination of lessons and hands-on exercises that will reinforce your learning. This is an advanced course which dives into the details of configuring and administering an Oracle Solaris 11 system.

**Please Note:** This is an Advanced Course Students without Oracle Solaris 11 system administration experience should take the Oracle Solaris 11 System Administration course first to ensure an effective knowledge of Oracle Solaris 11 system administration before attempting to take this advanced course. Those with Oracle Solaris 10 experience should take the Transition to Oracle Solaris 11 course as it builds on your Oracle Solaris 10 knowledge and provides training more tailored to your background.

Learn To:

- Manage Services and Service Properties Using SMF.
- Manage Boot Environments and System Updates.
- Back Up and Restore Data Using ZFS.
- Configure Network and Network High Availability.
- Administer Network Services.
- Configure Privileges and Role Based Access Control.
- Manage Processes and Priorities.
- Install Oracle Solaris 11 OS on Multiple Hosts.
- Implement System Messaging And Diagnostic Facilities.

### Benefits to You

Gain a better understanding of the Oracle Solaris 11.2 system administration features and new OS enhancements, which will allow you to run your most demanding enterprise applications in private, hybrid, or public clouds.

### Develop Oracle Solaris 11.2 OS Expertise

This course builds on the system administration skills taught in the Oracle Solaris 11.2 System Administration course. You'll work with expert Oracle University instructors to develop a deep understanding of Oracle Solaris 11.2 OS that you can leverage in your day-to-day job.

### Data Center Manager

Network Administrator  
Support Engineer  
System Administrator

## Related Training

### *Required Prerequisites*

One year experience as an associate Oracle Solaris 11 system administrator.

### *Suggested Prerequisites*

Basic knowledge of Oracle Solaris 11 system administration

## Course Objectives

Manage Services and Service Properties Using SMF

Administer Network Services

Manage Boot Environments and Upgrade OS by Using IPS

Manage Data Back Up and Restore by Using ZFS

Implement EVS and Network High Availability

Advanced Administration of Zones

Securing Users and Processes

Manage Processes and Priorities

Install Oracle Solaris 11 OS on Multiple Hosts

Implement System Messaging And Diagnostic Facilities

## Course Topics

### **Course Introduction**

Overview

Course Goals

Course Agenda

Introductions

Your Learning Center

Your Lab Environment

### **Managing Services and Service Properties Using SMF**

Introducing the Advanced Features of SMF

Configuring SMF Services

Troubleshooting SMF Services

## **Managing boot environment and system updates**

- Configuring a Local IPS Package Repository
- Managing Boot Environments
- Updating the OS by Using IPS

## **Managing Data Back Up and Restore by Using ZFS**

- Planning for Data Storage Configuration and Backup
- Managing Data Redundancy with Mirrored Storage Pools
- Administering data Back Up and Restore by using ZFS Snapshots
- Managing Data Storage Space with ZFS File System Properties
- Troubleshooting ZFS Failures

## **Implementing EVS and Network High Availability**

- Creating Virtual Network by Using EVS
- Configuring Link Aggregation for High Performance
- Configuring IPMP for IP High Availability
- Configuring ILB to Implement Load Balancing
- Configuring VRRP for Router Failure

## **Administering Network Services**

- Configuring the Network File System
- Configuring a DNS Client
- Configuring an LDAP Client

## **Advanced Administration of Zones**

- Managing System Resources in a Zone
- Configuring Kernel Zones
- Working with Unified Archives

## **Securing Users and Processes**

- Introducing Privileges, Rights, and Roles
- Managing Privileges
- Managing User Rights

## **Managing Processes and Priorities**

- Implementing Process Execution in an Appropriate Scheduling Class
- Managing Process Scheduling Priority
- Configuring the Fair Share Scheduler
- Managing the Scheduling Class of Zones

## **Installing Oracle Solaris 11 on Multiple hosts**

- Introducing the Automated Installer
- Configuring the AI Install Server
- Configuring the AI Clients
- Building an Oracle Solaris 11 image

## **Implementing System Messaging And Diagnostic Facilities**

- Managing System Logs
- Configuring System Messaging
- Configuring System Crash Facilities
- Configuring Dump Facilities for Business Application Failure