

## **Oracle Solaris 11 Advanced System Administration Ed 5 NEW**

**Duration:** 5 Days

### **What you will learn**

This advanced Oracle Solaris 11 Advanced System Administration training provides an intensive hands-on experience with the Oracle Solaris 11.3 operating system. You'll learn complex and integrated administration concepts through a combination of lessons and hands-on exercises that will reinforce your learning.

### **Learn To:**

Manage services and service properties using SMF.

Managing software packages by using IPS.

Backup and restore data using ZFS.

Configure network and network high availability.

Administer network services.

Administer the zones.

Securing the Oracle Solaris 11 OS.

Install Oracle Solaris 11 OS on multiple hosts.

Implement system messaging and diagnostic facilities.

### **Benefits to You**

Develop relevant, crucial skills and a better understanding of the Oracle Solaris 11.3 system administration and new enhancements done to the OS, which allow you to run your most demanding enterprise applications in private, hybrid, or public clouds.

Develop Oracle Solaris 11.3 OS Expertise

This course builds on the system administration skills taught in the Oracle Solaris 11.3 System Administration course. You'll work with expert Oracle University instructors to develop a deep understanding of Oracle Solaris 11.3 OS that you can leverage in your day-to-day job.

Please Note: This is an Advanced Course

This is an advanced course which dives into the details of configuring and administering an Oracle Solaris 11 system. If you don't have Oracle Solaris 11 system administration experience, you should take the Oracle Solaris 11 System Administration course first to ensure effective knowledge of Oracle Solaris 11 system administration beforehand. 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.

## **Audience**

Data Center Manager  
Network Administrator  
Storage Administrator  
Support Engineer  
System Administrator

## **Related Training**

### *Required Prerequisites*

One year experience as an associate Oracle Solaris 11 system administrator.  
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### *Suggested Prerequisites*

Basic knowledge of Oracle Solaris 11 system administration

## **Course Objectives**

Manage Services and Service Properties Using SMF  
Manage Software Packages Using IPS  
Back Up and Restore Data Using ZFS  
Configure Network and Network High Availability  
Administer Network Services  
Administer the Zones  
Securing the Oracle Solaris 11 OS  
Manage Processes and Priorities  
Install Oracle Solaris 11 OS on Multiple Hosts  
Implement Systems Messaging and Diagnostic Facilities

## **Course Topics**

### **Introduction**

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 Software Packages by Using IPS**

Configuring a Local IPS Package Repository  
Update the system by using IPS

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

Plan for data storage configuration and backup  
Manage data redundancy with mirrored storage pools

Backup and restore data with ZFS snapshots  
Manage data storage space with ZFS file system properties  
Troubleshoot ZFS failures

### **Configuring the Network**

Create a virtual network by using EVS  
Configure link aggregation for high performance  
Configure IPMP for IP high availability

### **Administering Network Services**

Configure Network File System (NFS)  
Configure a Domain Name System (DNS) Client  
Configure a Lightweight Directory Access Protocol (LDAP) Client

### **Advanced Administration of Zones**

Manage system resources in a zone  
Configure kernel Zones  
Administer unified archives

### **Securing the Oracle Solaris 11 OS**

Implement user privileges and roles  
Manage privileges  
Manage user rights  
Verify file integrity by using BART  
Monitor the audit service  
Assess the compliance of an Oracle Solaris system

### **Managing Processes and Priorities**

Implement process execution in an appropriate scheduling class  
Manage process scheduling priority  
Configure Fair Share Scheduler (FSS)  
Manage the scheduling class of zones

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

Introduce the Automated Installer  
Configure the AI install server  
Configure the AI client  
Build an Oracle Solaris image

### **Implementing System Messaging and Diagnostic Facilities** Monitor system logs

Identify a crash dump file  
Identify a core dump file  
Troubleshoot a script execution issue  
Troubleshoot a software update failure  
Troubleshoot a network connectivity issue  
Troubleshoot a directory access issue  
Troubleshoot a default shell issue