

# Oracle Solaris 11 System Administration

**Length:** 5 Days

**Prerequisites:** Basic UNIX skills and UNIX and Linux Essentials

**Summary:** The Oracle Solaris 11 System Administration training covers the full range of introductory system administration tasks on Oracle Solaris 11.3 OS. The topics covered range from installing the operating system on a single system, to monitoring and basic troubleshooting. The Oracle Solaris 11 System Administration course is designed to provide new system administrators, as well as enterprise system administrators who are new to the Oracle Solaris 11 Operating System, with the skills they need to perform their job tasks successfully and efficiently.

**Learn To:**

- Perform software installation and software package updates.
- Manage services, processes and access controls.
- Administer data storage, zones, network and users.

**Benefits to You:** The course provides an intensive hands-on experience for key system administration tasks with the goal of making the system administrator job-ready.

**Course Objectives:**

- Manage Boot and Shutdown of a System
- Administer Services by Using SMF
- Administer Software Packages by Using IPS and Manage Boot Environments
- Manage Data by Using ZFS
- Administer the Oracle Solaris 11 Host on an Existing Network
- Administer Oracle Solaris Zones
- Control Access to Systems and Files
- Install Oracle Solaris 11 Operating System
- Administer User Accounts
- Administer System Processes and Schedule System Tasks

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## COURSE CONTENT

### INSTALLING ORACLE SOLARIS 11 OPERATING SYSTEM

- Introduction to Oracle Solaris 11 OS
- Planning for Oracle Solaris 11 OS installation
- Installing Oracle Solaris 11 OS by Using the Live Media Installer
- Installing Oracle Solaris 11 OS Using the Text Installer
- Verifying the OS Installation

### MANAGING BOOT AND SHUTDOWN OF SYSTEMS

- Analyze the boot design and boot process
- Boot a SPARC-based system
- Boot an x86-based system
- Shut down a system

### ADMINISTERING SERVICES BY USING SMF

- Describing SMF and its components
- Administering SMF Services

### **ADMINISTERING SOFTWARE PACKAGES BY USING IPS**

- Describing IPS, its components, and interfaces
- Configuring an IPS Client to Access the Local IPS Repository
- Managing Package Publishers
- Managing Software Packages
- Managing Signed Packages and Package Properties

### **MANAGING DATA BY USING ZFS**

- Introducing ZFS
- Administering ZFS Storage Pools
- Administering ZFS File Systems
- Administering ZFS Properties
- Administering ZFS Snapshots and Clones

### **ADMINISTERING THE NETWORK**

- Reviewing Networking Fundamentals
- Administering Datalink Configuration
- Administering a Network Interface
- Administering Profile-Based Network Configuration
- Configuring a Virtual Network
- Verifying the Network Operations
- Managing Resources on the Virtual Network

### **ADMINISTERING ORACLE SOLARIS ZONES**

- Introducing Oracle Solaris Zones
- Configuring an Oracle Solaris Zone
- Determining an Oracle Solaris Zone Configuration

### **CONTROLLING ACCESS TO SYSTEMS AND FILES**

- Controlling Access to Systems
- Controlling Access to Files
- Securing Access to Remote Host

### **ADMINISTERING USER ACCOUNTS**

- Getting Started with the User Administration
- Setting Up User Accounts
- Maintaining User Accounts
- Configuring User Disk Quotas

### **MANAGING SYSTEM PROCESSES AND SYSTEM TASKS**

- Managing System Processes
- Scheduling System Administration Tasks