Oracle Solaris 11 System Administration for Experienced UNIX/Linux Administrators

Duration: 5 Days

What you will learn

The Oracle Solaris 11 System Administration for Experienced UNIX/Linux Administrators course is for skilled AIX/Linux/HP-UX administrators who need to make informed decisions as they adopt, deploy, and administer Oracle Solaris 11 in their data centers. The course is extensively built around a hands-on experience, meant to impart application-level skills and knowledge to successfully administer Oracle Solaris 11.

Learn To:

Understand the merits of using some of the key features and technologies of Oracle Solaris 11.
Manage system software by using IPS.
Administer services using SMF.
Administer file systems using ZFS.
Implement network virtualization using VNICS and etherstubs.
Implement operating system virtualization using Oracle Solaris Zones.

Benefits to You

Oracle Solaris 11 provides the most robust environment for your data center with best in class reliability and scalability. Lab exercises show how to use advanced features such as scalable data management, built-in virtualization, and fully integrated security to get the most from your Oracle Solaris 11 deployment.

Audience
Data Center Manager
System Administrator
System Integrator
Systems Architects

Related Training

Required Prerequisites

Experience Administering a UNIX or Linux based environment

Administer system software using IPS

Administer services using SMF

Configure the network

Administer ZFS

Configure user accounts

Install Oracle Solaris 11

Configure Oracle Solaris Zones

Monitor system resources using observability tools

Course Topics

Administering System Software Using IPS
Explain the various platforms Oracle Solaris supports
Explain the role of IPS in administering system software
Use IPS to Update the Oracle Solaris 11 operating system
Upgrade Oracle Solaris 11 to Oracle Solaris 11.1 using IPS
Configure a local IPS package repository
Configure network client access to the local IPS server
Administer software packages using CLI and Package Manager
Administer boot environments

Administering Services Using SMF
Explain the role of SMF in administering services
Configure SMF services
Administer SMF services
Control SMF services
Troubleshoot SMF services

Administering ZFS
Explain the role of ZFS in data management
Administer ZFS storage pools
Administer ZFS file systems
Manage data redundancy with mirrored storage pools
Administer ZFS snapshots and clones
Secure ZFS file systems
Troubleshoot ZFS failures

Configuring the Network
Explain the fundamentals of networking in Oracle Solaris 11
Configure a network interface
Implement network virtualization
Configure network high availability

Implement resource management
Secure the network

Administering User Accounts
Configure user accounts
Manage user initialization files
Configure user disk quotas using the ZFS quota property
Administer Role-Based Access Control (RBAC)

Configuring Oracle Solaris Zones
Explain the fundamentals of Oracle Solaris Zones
Configure an Oracle Solaris Zone
Determine an Oracle Solaris Zone configuration
Administer an Oracle Solaris Zone
Manage system resources in a zone
Manage the scheduling class of zones
Secure Oracle Solaris Zones

Installing the Oracle Solaris 11 Operating System
Identify the key requirements and guidelines for installing Oracle Solaris 11
Install Oracle Solaris 11 using the Live Media and Text Installer
Install the Oracle Solaris 11 operating system on multiple hosts using the Automated Installer
Verify the operating system installation

Monitoring System Resources
Describe the role of the various observability tools in monitoring system resources
Explain the importance of mdb and DTrace in debugging system issues