

Oracle Solaris 11 Advanced System Administration Ed 4

Length: 5 days

The “Oracle Solaris 11 Advanced System Administration” course includes extensive practical exercises. A combination of lessons and practical exercises will deepen your knowledge and learn about complex and integrated administrative concepts.

You will learn:

- Install Oracle Solaris 11 using the Automated Installer (AI)
- Manage packages with the Image Packaging System (IPS)
- Configure zones and virtual networks
- Configure IP multipathing
- Secure the system with authorizations and auditing
- Manage processes and evaluate system resources
- Get to know tools for efficient elimination of software errors
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Advantages for the course participants:

Understand the latest information on security, performance, and scalability enhancements that enable customers to run their demanding enterprise applications on private, hybrid, or public clouds.

Gain experience with Solaris 11

This course builds on the system administration skills taught in the Oracle Solaris 11 System Administration course. You will work with



experienced Oracle University instructors and deepen your knowledge of Oracle Solaris 11, which you can then use in your daily tasks.

Prerequisites

Suggested Prerequisite

- Experience with Oracle Solaris zones
- Knowledge of the ZFS file system

Required prerequisite

- Oracle Solaris 11 System Administration Ed 3 (DE)
- Oracle Solaris 11 System Administration course or one year experience as a deputy system administrator.

Audience

- Data center manager
- Network administrators
- Support Engineer
- System administrators

Objectives

- Configure failover for network and traffic
- Configure permissions and role-based access control (RBAC)
- Configure zones and virtual networks
- Evaluate system resources
- Install the Oracle Solaris 11 operating system on multiple hosts
- Manage processes and priorities
- Manage services and service properties
- Manage business application data
- Manage Image Packaging System (IPS) and packages
- Monitor software and fix errors
- Back up system resources with Oracle Solaris auditing

Topics

Manage Image Packaging System (IPS) and packages

- Implement a plan for managing Image Packaging System (IPS) and packages
- Configure a local IPS package repository
- Configure network clients to access a local IPS server
- Manage signed packages and package properties
- Manage package publishers
- Manage multiple boot environments

Install the Oracle Solaris 11 Operating System on Multiple Hosts

- Implement a plan to install the Oracle Solaris 11 Operating System with Automated Installer
- Install the Oracle Solaris 11 Operating System using the Automated Installer
- Verify the installation of the Oracle Solaris 11 operating system
- Creating an Oracle Solaris Image Using Distribution Constructor

Manage business application data

- Implement a plan for data storage configuration and data backup
- Manage data redundancy with mirrored storage pools
- Back up and restore data with ZFS snapshots
- Manage data storage space with ZFS file system properties
- Resolving ZFS Issues

Configure failover for network and traffic

- Implement a plan to configure network and traffic failover
- Configuring systems on a local network
- Configure reactive networks
- Configuring Network File System (NFS)
- Configure link aggregation
- Configure an IPMP group
- Manage an IPMP group



- Implementing Link Failover Using IPMP

Configure zones and virtual networks

- Implement a plan for configuring Oracle Solaris zones with a virtual network
- Create virtual networks
- Configuring Oracle Solaris Zones to Use VNICs
- Allocate Resources for Oracle Solaris Zones
- Manage virtual network resources

Manage services and service properties

- Implement a plan for configuring services
- Configure SMF Services
- Restoring Services from a Snapshot
- Resolving problems with SMF services

Configuring Permissions and Role-Based Access Control (RBAC)

- Implement a plan for configuring permissions
- Implement a plan for configuring role-based access control
- Examine process permissions
- Manage permissions
- Configuring Role-Based Access Control
- Use Role-Based Access Control

Back up system resources with Oracle Solaris auditing

- Implement a plan for Oracle Solaris auditing
- Configuring Oracle Solaris Auditing
- Manage the audit service
- Manage audit records

Manage processes and priorities, evaluate system resources, monitor software and troubleshoot problems

mp Files