

Duration: 5 Days

What you will learn

The Oracle Solaris 11 Advanced System Administration course provides an intensive hands-on experience, working with complex and integrated administration concepts. The course builds on the system administration skills taught in the Oracle Solaris 11 System Administration course.

This course highlights an array of advanced subjects and technologies, such as installing Oracle Solaris 11 using the Automated Installer (AI), using the Image Packaging System (IPS) for package management, configuring zones and virtual networks, and configuring IP multipathing. You also learn how to secure the system through the use of privileges and auditing and how to manage processes and evaluate system resources. You are also shown the tools you need to effectively and efficiently troubleshoot software failures.

Students Will Learn To:

Manage packages quickly and efficiently

Use AI to install the OS on multiple hosts

Use ZFS to manage business application data

Configure network and traffic failover

Configure zones and the virtual network

Manage services and service properties

This course will help prepare you for the Oracle Certified Professional, Oracle Solaris 11 System Administrator certification

Audience

Data Center Manager

Support Engineer

System Administrator

System Integrator

Technical Consultant

Prerequisites

Required Prerequisites

Oracle Solaris 11 System Administration

Experience with Oracle Solaris Zones

Knowledge of the ZFS file system

Course Objectives

Manage the Image Packaging System (IPS)

Install the Oracle Solaris 11 operating system using the Automated Installer

Manage business application data

Configure Oracle Solaris zones

Create an Oracle Solaris 11 virtual network

Configure SMF services

Configure privileges

Configure Role-Based Access Control

Securing system resources with Oracle Solaris Auditing

Manage processes and priorities

Configure system resources

Monitor system performance

Configure system messaging

Configure system crash facilities

Configure dump facilities

REGISTRATION AND INFORMATION

education@ecs.com.sg

www.ecs.com.sg/training

Award Winning ATC

Page 1 of 3

Course Topics

Managing the Image Packaging System (IPS) and Packages

- Configuring a Local IPS Package Repository
- Configuring Network Client Access to the Local IPS Server
- Managing Signed Packages and Package Properties
- Managing Package Publishers
- Managing Multiple Boot Environments

Installing Oracle Solaris 11 OS on Multiple Hosts

- Installing Oracle Solaris 11 Using the Automated Installer
- Building an Oracle Solaris Image

Managing Business Application Data

- Managing Data Redundancy with Mirrored Storage Pools
- Backing Up and Recovering Data with ZFS Snapshots
- Managing Data Storage Space with ZFS File System Properties
- Troubleshooting ZFS Failures

Configuring Network and Traffic Failover

- Configuring Systems on a Local Network
- Configuring Network Auto-Magic
- Configuring Network File System
- Configuring Link Aggregation
- Configuring an IPMP Group
- Implementing Link Failover Using IPMP
- Monitoring an IPMP Group

Configuring Zones and the Virtual Network

- Creating a Virtual Network
- Configuring Zones to Use VNICs
- Allocating and Managing System Resources in a Zone
- Managing Resources on the Virtual Network

Managing Services and Service Properties

- Configuring SMF services
- Troubleshooting the SMF Services

Configuring Privileges and Role-Based Access Control

- Configuring and Managing Privileges
- Configuring and Using RBAC

Securing System Resources Using Oracle Solaris Auditing

Configuring Oracle Solaris Auditing
Administering Oracle Solaris Auditing
Managing Audit Records on Local Systems

Managing Processes and Priorities

Managing Process Scheduling Priority
Configuring the Fair Share Scheduler
Managing the Scheduling Class of a Zone

Evaluating System Resources

Configuring and Administering System Resources
Monitoring System Performance

Monitoring and Troubleshooting Software Failures

Configuring System Messaging
Configuring System Crash Facilities
Configuring Dump Facilities for Business Application Failure