Oracle Solaris 11 Advanced System Administration

Managing the Image Packaging System (IPS) and Packages

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

Installing Oracle Solaris 11 OS on Multiple Hosts

- Implement a plan a for an Oracle Solaris 11 operating system installation using the Automated Installer
- Install the Oracle Solaris 11 operating system using the Automated Installer
- Verify an Oracle Solaris 11 operating system installation
- Build an Oracle Solaris image using the distribution constructor

Managing the Business Application Data

- Implement a plan for data storage configuration and backup
- Manage data redundancy with a mirrored storage pool
- Configure data backup and restore by using ZFS snapshots
- Managing data storage space by using ZFS file system properties
- Troubleshoot ZFS issues

Configuring Network and Traffic Failover

- Implement a plan for network and traffic failover configuration
- Configure systems on a local network
- Configure reactive network
- Configure Network File System (NFS)
- Configure link aggregation
- Configure an IPMP group
- Maintain an IPMP group
- Implement link failover using IPMP

Configuring Zones and the Virtual Network

- Implement a plan to configure Oracle Solaris zones with a virtual network
- Create a virtual network
- Configure Oracle Solaris zones to use VNICs
- Allocate resources to an Oracle Solaris zone
- Manage virtual network resources

Managing Services and Service Properties

- Implement a plan to configure services
- Configure SMF services
- Recover a service from a snapshot
- Troubleshoot SMF services

Configuring Privileges and Role Based Access Control

- Implement a plan to configure privileges
- Implement a plan to configure Role-Based Access Control
- Examine the process privileges
- Manage privileges
- Configure Role-Based Access Control
- Use Role-Based Access Control

Securing System Resources using Solaris Auditing

- Implement a plan for Oracle Solaris auditing
- Configure Oracle Solaris auditing
- Administer the audit service
- Manage audit records

Managing Processes and Priorities

- Implement a plan for executing a process in an appropriate scheduling class
- Manage process scheduling priority
- Manage the scheduling class of zones
- Configure the Fair Share Scheduler
- Monitor the Fair Share Scheduler

Evaluating the System Resources

- Implement a plan to evaluate resource allocation and system performance
- Configure system resources
- Monitor system performance

Monitoring and Troubleshooting System Failures

- Implement a plan for system messaging and diagnostic facilities implementation
- Configure system messaging
- Configure system crash facilities
- Configure dump facilities for business application failure