

# Oracle Solaris 11 Security Administration

## **Introduction**

- Overview
- Course Goals
- Course Agenda
- Introductions
- Your Learning Center
- Your lab environment

## **Planning for basic security**

- Evaluating Security Principles
- Analyzing the need for a Security Policy
- Configuring Systems Securely
- Performing a Security Audit
- Evaluating the need for upgrading systems

## **Identifying Oracle Solaris 11 Security Technologies**

- Describe Oracle Solaris 11 OS Security
- Exploring Oracle Solaris 11 Security Features

## **Securing Users and Processes**

- Introducing user and process rights
- Managing user rights
- Managing process rights

## **Using the Oracle Solaris Cryptographic Services**

- Describing Cryptographic Services
- Implementing the Cryptographic Framework
- Implementing Key Management Framework (KMF)

## **Auditing in Oracle Solaris**

- Describing Oracle Solaris Auditing
- Configuring Oracle Solaris Auditing

- Administering the audit service
- Managing the audit records

### **Securing Files and File System**

- Managing ZFS File System Security
- Verifying File Integrity
- Controlling Access to Files

### **Administering System Security**

- Protecting System integrity
- Controlling System Access
- Controlling Access to Devices
- Implement PAM to Authenticate Users

### **Implementing Basic Network Security**

- Establishing network security
- Implementing Secure Shell
- Implementing TCP Wrappers
- Implementing Kerberos Protocol
- Implement IPsec and IKE
- Secure remotely accesses file systems

### **Securing Network by Using Packet Filtering**

- Implementing IP Filter
- Configuring the IP rule sets
- Configuring the IP Filter Service

### **Managing Services**

- Describing SMF Configuration
- Managing Services

### **Implementing Security in Oracle Solaris Zones**

- Describing Zones Security
- Integrating Security Features into Zones
- Managing Resources in Zones

- Managing Network Security in Zones

### **Implementing Labeled Security Using Trusted Extensions**

- Describing labeled security
- Managing Trusted Extensions