Oracle Solaris 11 Network Administration

Duration: 5 Days

What you will learn

This course teaches you how to configure and administer a reliable highly available and secure network. Learn through hands-on exercises and open discussions with expert Oracle University instructors.

Learn To:

Explain the fundamentals of networking.
Virtualize the network.
Configure high availability.
Configure services.
Manage network resources.
Implement network security.
Diagnose and troubleshoot networking issues.
Describe the information exchange mechanisms.

Networking Features and Capabilities

The course conceptually explains the networking features and capabilities introduced, enhanced or modified in Oracle Solaris 11.1. Learn these concepts through a combination of lecture as well as hands-on demonstrations.

Get Hands-On Experience

Learn through a scenario based hands-on approach to build, configure and administer virtual networks, fail-over options, network services, network resources and network security. Immersing yourself in this new material will help you develop a better understanding of how these virtual networks function.

Overview of Next Generation Technologies

This course will also help you discover the next generation networking infrastructure technologies. These include Data Center Bridging and Edge Virtual Bridging, along with their role in the cloud environment.

Audience

Data Center Manager
Network Administrator
System Administrator

Related Training

Required Prerequisites

Oracle Solaris 11 Advanced System Administration NEW

Transition to Oracle Solaris 11

Course Objectives

Networking Fundamentals

Virtualizing the Network

Configuring High Availability

Configuring Services

Managing Network Resources

Securing the Network

Observability and Troubleshooting

Information Exchange Mechanisms

Course Topics

Networking Fundamentals
Introduction to the TCP/IP Model
LAN and its Components
Network Stack
Networking Features in Oracle Solaris 11

Configuring a Virtual Network
Profile-based Network Configuration
Overview of a Physical Network
Overview of VLAN
Internal Virtual Network
Private Virtual Network

Configuring High Availability
High Availability
IPMP for IP failover
Link Aggregations
Integrated Load Balancer
Virtual Router Redundancy Protocol

Configuring Services
Domain Name System
Light Weight Directory Access Protocol
Dynamic Host Configuration Protocol
CIFS SMB

Managing Network Resources
Network Resource Management
Network Resources for Optimum Utilization
Monitor Network Traffic

Securing the Network
Link Protection
IP Filter

Troubleshooting Networking Issues
Diagnostic Tools
DTrace Network Providers

Information Exchange Mechanisms
Link Layer Discovery Protocol
Data Center Bridging
Edge Virtual Bridging