Oracle Solaris 11 Network Administration Ed 2 NEW

Duration: 5 Days

What you will learn

This Oracle Solaris 11 Network Administration training helps you develop the knowledge and skills to configure and administer a reliable, scalable, highly available, resource-optimize, and secure enterprise-grade network infrastructure, both physical and virtual. You'll learn how to use the various networking features and technologies in Oracle Solaris 11.
Learn To:

Configure a virtual network.
Configure network high availability.
Configure network services.
Manage network resources.
Implement network security.
Integrate with OpenStack.
Diagnose networking issues.
Engage with observability tools used for diagnosing and troubleshooting networking issues.

Benefits to You

You'll gain hands-on knowledge of networking capabilities introduced, enhanced or modified in Oracle Solaris 11. Through scenarios and illustrations, you'll develop a deep understanding of how the network virtualization features and technologies in Oracle Solaris 11 make a good case for network consolidation, geographies notwithstanding.

Gain Hands-On Experience with Virtual Networks and More

Learn through a scenario-based hands-on approach to build, configure, and administer virtual networks, failover 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.

Explore Key Features

Some of the key features of Software Defined Networking (SDN) covered in this course include VNICs, etherstub, VXLAN, EVS and reflective relay. It also provides an overview of the Neutron component of OpenStack and its role in managing the elastic network requirements of a cloud infrastructure.

Audience

Data Center Manager
Network Administrator
Support Engineer
System Administrator

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Related Training

Required Prerequisites

Administer users, packages, SMF services, and applications on Oracle Solaris 11 systems

Install, configure, and maintain Oracle Solaris Zones and Oracle Solaris 11 OS

Oracle Solaris 11 Advanced System Administration Ed 4

Transition to Oracle Solaris 11 Ed 3 NEW

Course Objectives

Explain the fundamentals of networking

Configure a virtual network

Configure network high availability

Configure network services

Manage network resources

Implement network security

Integrate with OpenStack

Diagnose networking issues

Course Topics

Introduction to the course
Overview
Course Goals
Course Agenda
Introductions
Your Learning Center

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

Configuring a Virtual Network
Profile-based Network Configuration
Network Virtualization
Virtual Network Configuration
Elastic Virtual Switch Configuration

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

Configuring Network Services
Domain Name System
Light Weight Directory Access Protocol
Dynamic Host Configuration Protocol
Configuring CIFS SMB for cross-platform resource sharing

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

Securing the Network
Link Protection
IP Filter

Diagnosing Networking Issues
Diagnostic Tools
DTrace Network Providers

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

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