Oracle Solaris 11 Network Administration

Introduction to the course

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

Networking Fundamentals

- Explain the fundamentals of networking
- Describe the network stack in Oracle Solaris 11
- Explain the role of profile-based configuration in configuring networks in Oracle Solaris 11
- Describe the commands to configure and administer networks in Oracle Solaris 11

Configuring a Virtual Network

- Explain network virtualization
- Configure a virtual network
- Configure VLAN and PVLAN
- Configure VXLAN
- Configure EVS

Configuring Network High Availability

- Describe High Availability
- Configure link aggregations for high availability
- Configure IPMP for IP failover
- Configure VRRP for router failover
- Configure ILB to implement load balancing

Configuring Network Services

- Configure DHCP for dynamic allocation of IP addresses
- Configure DNS for forward and reverse name resolution
- Configure LDAP for directory name resolution
- Configure SMB for cross-platform resource sharing

Configuring Network Resources

- Manage network resources using datalink properties
- Manage network resources using flow properties
- Monitor network traffic by using observability tools

Implementing Network Security

- Administer link protection to prevent threats to the virtual network
- Configure IP Filter firewall to prevent network-based attacks
- Configure the OpenBSD Packet Filter (PF) firewall to control network access

Diagnosing Networking Issues

- Identify the diagnostic tools and utilities for troubleshooting networking issues
- Describe the role of DTrace network providers in observing network behavior