

Introduction to the Oracle Solaris 11.3 Course Content:

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

Networking Fundamentals

- Explain the fundamentals of networking
- Describe the network stack and the key networking features 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 a virtual network using Virtual LAN (VLAN) and Private VLAN (PVLAN)
- Configure a virtual network using Virtual eXtensible LAN (VXLAN)
- Configure Elastic Virtual Switch (EVS)

Configuring Network High Availability

- Describe high availability (HA)
- Configure IP Multipathing (IPMP) for IP failover
- Configure link aggregations for high availability
- Configure Virtual Router Redundancy Protocol (VRRP) for router failover
- Configure Integrated Load Balancer (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

Managing Network Resources

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

Implementing Network Security

- Administer link protection to prevent threats to the virtual network
- Configure the IP Filter firewall to control network access
- 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