

Network Administration for the Solaris 10 Operating System (SA-300-S10)

Course Content

Module 1 - Introducing the TCP/IP Model

- Describe network model fundamentals
- Describe the layers of the Transmission Control Protocol/IP (TCP/IP) model
- Describe basic peer-to-peer communication and related protocols

Module 2 - Introducing LANs and Their Components

- Describe network topologies
- Describe LAN media
- Describe network devices

Module 3 - Describing Ethernet Interfaces

- Describe Ethernet concepts
- Describe Ethernet frames
- Use network utilities

Module 4 - Describing ARP and RARP

- Describe Address Resolution Protocol (ARP)
- Describe Reverse ARP (RARP)

Module 5 - Configuring IP

- Describe the Internet layer protocols
- Describe the IP datagram
- Describe IP address types
- Describe subnetting and variable length subnet masks (VLSMs)
- Describe the interface configuration files
- Administer logical interfaces

Module 6 - Configuring IP Network Multipathing

- Describe IP multipathing
- Implement IP multipathing

Module 7 - Configuring Routing

- Identify the fundamentals of routing
- Describe routing table population
- Describe routing protocol types
- Describe the routing table
- Configure static routing
- Configure dynamic routing
- Describe classless inter-domain routing (CIDR)
- Configure routing at system boot
- Troubleshoot routing

Module 8 - Configuring IPv6

- Describe IPv6
- Describe IPv6 addressing
- Describe IPv6 autoconfiguration
- Describe IPv6 unicast address types
- Describe IPv6 multicast address types
- Enable IPv6
- Manage IPv6
- Configure 6to4 routing
- Configure IPv6 multipathing

Module 9 - Describing the Transport Layer

- Describe Transport layer fundamentals
- Describe User Datagram Protocol (UDP)
- Describe TCP
- Describe TCP flow control

Module 10 - Configuring DNS

- Describe the DNS basics
- Configure the DNS server
- Troubleshoot the DNS server using basic utilities

Module 11 - Configuring DHCP

- Describe the fundamentals of DHCP
- Configure a DHCP server
- Configure and manage DHCP clients

Module 12 - Configuring NTP

- Identify NTP basics
- Configure an NTP server
- Configure an NTP client
- Troubleshoot NTP

Module 13 - Configuring the Solaris IP Filter Firewall

- Identify Solaris IP Filter firewall basics
- Configure Solaris IP Filter firewall