Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Advanced Junos Troubleshooting (AJT)

CODE:	LENGTH:	PRICE:
JUN_AJT	24 Hours (3 dage)	kr 21,200.00

Description

This three-day course provides students with the knowledge to troubleshoot switching, routing, and security features.
This course builds off the Juniper Technical Support Fundamentals (JTSF) and Junos Troubleshooting (JT) courses and helps network engineers further their network troubleshooting capabilities.
Key topics include troubleshooting dynamic routing protocols such as OSPF, IS-IS, BGP, switching protocols, Ethernet VPN–Virtual Extensible LAN (EVPN-VXLAN) network, MPLS, multicast, class of service (CoS), stateful firewall features, IPsec VPNs (site-to-site and remote access), chassis clusters, next-generation firewall features, and vSRX.
The course is based on Junos OS Release 23.1R1.
This is an advanced level course.

Objectives

After successfully completing this course, you should be able to:
• Troubleshoot problems with OSPF routing protocol.
• Troubleshoot problems with IS-IS routing protocol.
• Troubleshoot problems with BGP routing protocol.
• Troubleshoot routing loops and route oscillations.
• Troubleshoot problems with switching protocols.
• Troubleshoot an EVPN-VXLAN setup.
• Demonstrate the ability to troubleshoot MPLS.
• Demonstrate the ability to troubleshoot native multicast.
• Demonstrate the ability to troubleshoot CoS.
• Troubleshoot stateful firewall inspection.
• Troubleshoot site-to-site IPsec VPNs.
• Troubleshoot remote access VPNs using Juniper Secure Connect.
• Troubleshoot chassis clusters.
• Troubleshoot next-generation firewall features.
• Troubleshoot vSRX.

Audience

This course benefits individuals responsible for troubleshooting Juniper devices running Junos OS, which includes network operators, engineers, administrators, support personnel, and reseller support personnel.

Programme

Day 1
Introduction

Troubleshooting OSPF
• Troubleshoot OSPF adjacencies
• Troubleshoot OSPF inconsistencies

Lab 1: Troubleshooting OSPF

Troubleshooting IS-IS
• Troubleshoot IS-IS adjacencies

Lab 2: Troubleshooting IS-IS

Troubleshooting BGP
• Troubleshoot BGP neighbors
• Troubleshoot BGP route advertisements

Lab 3: Troubleshooting BGP

Troubleshooting Routing Loops and Route Oscillations
• Troubleshoot routing loops and route oscillations

Lab 4: Troubleshooting Routing Loops and Route Oscillations

Day 2

Troubleshooting Switching Protocols
• Implement monitoring and troubleshoot Layer 2 networks

Lab 5: Troubleshooting Switching Protocols

Troubleshooting EVPN-VXLAN network
• Verify EVPN-VXLAN related configuration and run time issues

Lab 6: Troubleshooting EVPN-VXLAN

Troubleshooting MPLS
• Troubleshoot RSVP and LDP LSPs

Lab 7: Troubleshooting MPLS

Troubleshooting Multicast
• Troubleshoot PIM sparse mode operation

Lab 8: Troubleshooting Multicast

Troubleshooting CoS
• Perform class of service troubleshooting

Lab 9: Troubleshooting CoS

Day 3

Troubleshooting Stateful Firewall Security
• Troubleshoot traffic flows through a stateful firewall

Lab 10: Troubleshooting Stateful Firewall Security

Troubleshooting IPsec VPNs
• Describe general troubleshooting for IPsec VPNs
• Describe how to troubleshoot IKE Phase 1 and Phase 2
• Configure and analyze logging for IPsec VPNs
• Examine IPsec troubleshooting case studies

Lab 11: Troubleshooting IPsec VPNs

Troubleshooting Chassis Clusters
• Troubleshoot chassis clusters
• Review chassis cluster case studies

Lab 12: Troubleshooting Chassis Clusters

Troubleshooting Next-Generation Firewall Features
• Troubleshoot AppSecure services

Lab 13: Troubleshooting Next-Generation Firewall Features

Troubleshooting vSRX
• Describe steps used to troubleshoot vSRX deployments

Lab 14: Troubleshooting vSRX

Session Dates

På anmodning. Kontakt os venligst

Yderligere Information

Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.