



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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**Du kan nå os her**

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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.](#)