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TRAINING OFFERING

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SD-WAN with Contrail Service Orchestration (SD-CSO)

CODE:	LENGTH:	PRICE:
JUN_SD-CSO	24 Hours (3 days)	£2,595.00

Description

This three-day course is designed to provide students with the knowledge required to work with the Juniper Contrail Service Orchestration solution.
Students will gain in-depth knowledge of how to use Contrail Service Orchestration (CSO) and SRX Series devices to instantiate SD-WAN, standalone NGFW, and brownfield NGFW deployments of the Juniper Networks solution.
Through demonstrations and hands-on labs, students will gain experience with features of each of these deployments.
This course is updated on a monthly cadence, so that the course reflects the latest CSO release.
The SD-WAN with Contrail Service Orchestration (SD-CSO) course is an advanced level course. Relevant Juniper Product
• NFX Series • SRX Series • VMX/VSRX • CSO Contrail Services Orchestration

Objectives

• Describe a traditional enterprise network. • Explain the purpose of Contrail Service Orchestration.
• Describe the differences between each CSO use case. • Describe the basic features of the CSO portals.
• Describe how to add a new tenant to CSO. • Navigate the CSO customer portal. • Describe the SD-WAN deployment model.
• Provide an overview of the SD-WAN workflow. • Implement enterprise intent-based policies.
• Configure SLA profiles and SD-WAN policies. • Instantiate an SD-WAN topology using CSO and SRX Series devices.
• Describe the NGFW deployment model. • Describe the workflow for the standalone NGFW deployment.
• Describe the Stage 1 configuration of the SRX Series device created by CSO.
• Describe how to implement intent-based policy using CSO.
• Instantiate a standalone NGFW site using CSO and SRX Series devices.
• Describe the workflow for the brownfield NGFW deployment. • Describe how to add a brownfield NGFW to CSO.
• Describe the available RBAC features. • Describe the day one operational features. • Describe the monitoring features.
• Generate reports.

Audience

This course benefits individuals responsible for working with software-defined networking solutions in service provider and enterprise environments, particularly those focused on SD-WAN.

Prerequisites

• Basic TCP/IP skills; • General understanding of software defined networking;
• Basic understanding of the Junos operating system; and
• Attendance of the Juniper Cloud Fundamentals (JCF) course prior to attending this class

Programme

Day 1 Course Introduction Introduction to Contrail Service Orchestration • SDN/NFV Overview • Today's Enterprise Network
• Juniper's CSO Solution Overview CSO User Interfaces • Basic Navigation • Administrator Portal Walkthrough • Adding a Tenant
• Customer Portal Walkthrough • Verifying the State of CSO Lab 1: CSO User Interface SD-WAN
• Contrail SD-WAN Deployment Model • SecureOAM • Dynamic VPN • AppQoE • Intent-Based Policies • SD-WAN SLA Policies
Day 2 SD-WAN Configuration • SD-WAN Deployment Workflow • Adding OAM Hubs • Adding Enterprise Hubs
• Adding Spoke Sites • Adding Licenses and IPD Signatures • Configuring Intent-Based Firewall Policies
• Configuring Application Routing and SLA Profiles Lab 2: Contrail SD-WAN Deployment Standalone NGFW
• NGFW Deployment Model • NGFW Deployment Workflows • Zone-Based Policies Lab 3: Standalone NGFW Deployment Day 3
Brownfield NGFW • Brownfield NGFW Deployment Workflow • Adding a Brownfield NGFW Administration and Monitoring

• Role-Based Access Control • Monitoring • Reporting
The following Appendix can be covered, if time permits, and is requested by the delegate/s prior to booking:
Appendix A What's New in Contrail Service Orchestration

Session Dates

On request. Please <u>Contact Us</u>

Additional Information

This training is also available as onsite training. Please contact us to find out more.