



TRAINING OFFERING

You can reach us at:

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CODE:	LENGTH:	PRICE:
JUN_JCF	3 days	£1,995.00

Description

This three-day course is designed to provide students with an understanding of cloud enabled networks, cloud service deployment concepts, and virtualized network platforms such as vSRX and vMX.

This course provides a high-level overview and understanding of the following concepts:

- Software Defined Networks
- Cloud Network Underlays
- Cloud Network Overlays
- Cloud Design
- Cloud Implementation Methods
- Cloud Services
- Juniper Networks Virtualized Platforms.

- Contrail
- Junos Space
- Junos Space Security Director
- Junos Space Network Director
- Junosphere/VJX
- MX Series
- NFX Series
- NorthStar Controller
- SSG Series
- NorthStar Planner

Juniper Cloud Fundamentals (JCF) is an introductory-level course. Relevant Juniper Product

Objectives

- Explain network overlay and underlay concepts.
- Describe private, public, and hybrid cloud architecture and implementation.
- Describe the implementation of services in a cloud networking environment.
- Describe the implementation and functions of the Juniper vSRX platform.
- Describe the implementation and functions of the Juniper vMX platform.
- Describe the implementation and functions of the Juniper NFX platform.
- Explain the role of Juniper Networks virtualized platforms in public cloud offerings.
- Describe the functionality and use of Juniper Networks Cloud Connector.
- Explain the need for Software Defined Networking.
- List basic SDN concepts.
- Describe common types of SDN implementation.
- Describe the main Network Function Virtualization components.
- Describe cloud services monitoring.
- Explain the role and functions of AppFormix in cloud services.
- Explain SDN WAN concepts.
- Describe the role, functions, and features of the NorthStar Controller.
- Describe the role, functions, and features of NorthStar Planner.
- Describe the role and functions a vCPE and uCPE components.
- Explain the role, components and functions of Contrail Service Orchestration.
- Explain the role, components and functions of Contrail Networking.
- Explain Software Defined Secure Network concepts.
- Describe methods to secure an SDN environment.
- Explain the functionality of SDSN components.

Audience

The primary audiences for this course are individuals responsible for planning and coordinating cloud enabled networks and services in data center, private cloud, public cloud, hybrid cloud, service provider, and enterprise WAN environments.

Prerequisites

- Basic TCP/IP skills
- Basic network understanding
- General understanding of data center environments
- General understanding of enterprise WAN environments
- Basic understanding of virtualization

Programme

Cloud Components

- Network Overlay and Underlay Concepts
- Private, Public, and Hybrid Cloud Architecture and Implementation
- Types of Services in a Cloud Network Environment

Virtualized Platforms

- Implementation of the vSRX Platform
- Implementation of the vMX Platform
- Implementation of the NFX Platform
- Juniper Networks Virtualized Platforms in Public Clouds

Day 1 Course Introduction • Cloud Connector

SDN Fundamentals

- The Need for SDN
- Main SDN Concepts
- Common Types of SDN
- Network Function Virtualization
- Introduction to NFV Architecture
- Main NFV Components
- Examples of VNFs

Lab: Deploying Juniper Networks Virtual Devices – Vmx Day 2

Lab: Manually Deploying VNFs

Orchestration and Automation

- Orchestration and Automation Tools in Cloud Networking
- Difference Between SDN Automation and Orchestration
- Roles of Cloud Networking Components
- Contrail Networking Components

AppFormix

- Role of AppFormix
- Components of AppFormix
- Monitoring services in AppFormix

Cloud CPE

- Legacy Versus Cloud CPE Architecture
- Types of Services in a Cloud Network Environment

SDN WAN Solutions

- SDN WAN Concepts
- Components of the NorthStar SDN WAN Controller
- NorthStar Controller in WAN Environments
- NorthStar Planner Concepts
- Functionality of NorthStar Planner

Lab: AppFormix

Day 3

Lab: Cloud CPE (video demonstration)

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
14 Mar 2022	London - Dowgate Hill	GMT	English	Classroom		£1,995.00
14 Mar 2022	Virtual Classroom	GMT	English	Instructor Led Online		£1,995.00
06 Jun 2022	London - Dowgate Hill	BST	English	Classroom		£1,995.00
06 Jun 2022	Virtual Classroom	BST	English	Instructor Led Online		£1,995.00
31 Aug 2022	London - Dowgate Hill	BST	English	Classroom		£1,995.00
31 Aug 2022	Virtual Classroom	BST	English	Instructor Led Online		£1,995.00
21 Nov 2022	London - Dowgate Hill	GMT	English	Classroom		£1,995.00
21 Nov 2022	Virtual Classroom	GMT	English	Instructor Led Online		£1,995.00

Additional Information

This training is also available as onsite training. [Please contact us to find out more.](#)