Arrow ECS Finland Oy - Education Services

TRAINING OFFERING

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Juniper Cloud Fundamentals

CODE:	LENGTH:	PRICE:
JUN_JCF	24 Hours (3 days)	€2,500.00

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:
Cloud Network Underlays
Cloud Network Overlays
Cloud Design
Cloud Implementation Methods
Cloud Services
Juniper Networks Virtualized Platforms
Junos Cloud Fundamentals is an introductory-level course.

Course will be delivered using latest available course material version offered by Juniper

Objectives

After successfully completing this course, you should be able to:
Describe 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.
Describe the role of Juniper Networks virtualized platforms in public cloud offerings.
Describe the functionality and use of Juniper Networks Cloud Connector.
Describe the need for Software Defined Networking.
Describe basic SDN concepts.
Describe common types of SDN implementation.
Describe the main Network Function Virtualization components.
Describe cloud services monitoring.
Describe the functions of AppFormix in cloud services.
Describe SDN WAN concepts.
Describe the role, functions, and features of the NorthStar Controller.
Describe the role, functions, and features of WANDL/IP MPLS View.
Describe the role and functions a vCPE and uCPE components.
Describe the role and functions of Contrail Service Orchestration.
Describe Software Defined Secure Network concepts.
Describe methods to secure an SDN environment.
Describe the functionality of SDSN components.

Audience

This course benefits 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

The prerequisites for this course are as follows:
Basic TCP/IP skills;

General understanding of data center virtualization;
General understanding of enterprise WAN environments
Basic understanding of virtualization

Programme

Day 1
Chapter 1: Course Introduction
Chapter 2: Cloud Components
Cloud Networking Definition
Cloud Architecture
XaaS
Chapter 3: Virtualized Platforms
Juniper Networks Virtualized Platforms
Juniper Networks Virtualized Platforms in Public Clouds
Chapter 4: SDN Fundamentals
The Need for SDN
SDN Explained
OpenFlow Based SDN
SDN as an Overlay
SDN via API
Applications of SDN
Lab 1: Exploring OpenStack with the CLI
Day 2
Chapter 5: Network Function Virtualization
Introduction to NFV
NFV Architecture
Examples of VNFs
Chapter 6: Orchestration and Automation
Managing a Cloud Infrastructure
OpenStack for Orchestration
Contrail/OpenContrail SDN Controller
NSX for SDN
Chapter 7: AppFormix
Operations Management
AppFormix Operation and Use Cases
Day 3
Chapter 8: SD WAN Solutions
SD WAN Concepts
NorthStar SD WAN Controller
NorthStar Controller Use Cases
WNADL IP/MPLSView
Chapter 9: Cloud CPE
Legacy vs. Cloud CPE Architecture
Cloud CPE with Contrail Service Orchestration
Chapter 10: Cloud Security
Legacy Network Security
Cloud Security Concepts
SDSN Components

Session Dates

Aikataulutamme kiinnostuksen mukaan. Ota yhteyttä

Additional Information

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