



**Arrow ECS Finland Oy - Education Services**

## **TRAINING OFFERING**

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**You can reach us at:**

Arrow ECS Finland Oy, Lars Sonckin kaari 16, 02600 Espoo, Finland

Email: [education.ecs.fi@arrow.com](mailto:education.ecs.fi@arrow.com)

Phone: 0870 251 1000

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
JUN_JCF	24 Hours (3 days)	€2,350.00

## 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 WANL/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 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 WANL 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.