



**Arrow ECS Finland Oy - Education Services**

## **TRAINING OFFERING**

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CODE:	LENGTH:	PRICE:
VMW_SDWANDD3	24 Hours (3 days)	€2,350.00

## Description

Customers demand a scalable, secure, and manageable VMware SD-WAN™ by VeloCloud®. To deliver a successful solution you must understand VMware SD-WAN architecture, know how the features can solve customer use cases, and be able to design a VMware SD-WAN that can be easily deployed, managed, and expanded.

### Product Alignment

- VMware SD-WAN by VeloCloud

## Objectives

By the end of this course, you should be able to meet the following objectives:

- Explain VMware SD-WAN architecture
- Outline VMware SD-WAN key components
- Discuss various Managed Service Provider (MSP) use cases and deployment options
- Deploy VMware SD-WAN Gateway, and VMware SD-WAN Edge
- Manage VMware SD-WAN Cloud VPN
- Design VMware SD-WAN for performance and scalability
- Configure the Partner Gateway handoff

## Audience

Any Managed Service Provider who is designing VMware SD-WAN solutions or managing SD-WAN networks for their customers

## Prerequisites

- Deep understanding of routing and switching technologies
- Deep understanding of security solutions, including VPN technologies
- Completion of the VMware SD-WAN VTSP Accreditation
- Completion of the VMware SD-WAN by VeloCloud: Deploy and Manage course

## Programme

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| <ul style="list-style-type: none"> <li>1 Course Introduction <ul style="list-style-type: none"> <li>• Introductions and course logistics</li> <li>• Course objectives</li> </ul> </li> <li>3 VMware SD-WAN MSP use Cases, Deployment Models, and License Models <ul style="list-style-type: none"> <li>• Compare VMware SD-WAN use cases</li> <li>• List VMware SD-WAN deployment models</li> <li>• Describe each VMware SD-WAN license model</li> </ul> </li> <li>4 Zero Touch Provisioning <ul style="list-style-type: none"> <li>• Provision VMware SD-WAN Edges</li> <li>• Describe the workflow of a VMware SD-WAN Edge activation.</li> <li>• Provision a VMware SD-WAN Virtual Edge on VMware ESXi™</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>2 Architecture and Core Features <ul style="list-style-type: none"> <li>• Evaluate the current state of the enterprise WAN and limitations for growth</li> <li>• Describe the key components and features of the VMware SD-WAN architecture</li> <li>• Explain VMware SD-WAN component placement and interactions between components</li> <li>• List VMware SD-WAN core value differentiators</li> <li>• Describe VMware SD-WAN core features</li> <li>• Evaluate the effect of VMware SD-WAN differentiators on a SD-WAN site deployment</li> </ul> </li> <li>5 VMware SD-WAN Cloud VPN <ul style="list-style-type: none"> <li>• Configure the VMware SD-WAN Cloud VPN</li> <li>• Consider the availability settings when deploying a Cloud VPN</li> <li>• Describe the packet flow in a Cloud VPN</li> </ul> </li> </ul> |
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## 6 Routing and Branch Design

- Control SD-WAN overlay and underlay route advertisement
- Overlay flow control
- Describe best practices when designing VMware SD-WAN with BGP
- Evaluate branch design options

## 8 High Availability Designs

- Distinguish between Standard and Enhanced High Availability (HA) and Virtual Router Redundancy Protocol (VRRP)

## 9 Designing for Performance and Scale

- List the SD-WAN factors that influence scalability and performance
- Describe VMware SD-WAN Edge Clustering

## 10 Standing up a Partner Gateway

- Describe VMware SD-WAN Gateway functionality and roles
- Provision a VMware SD-WAN Gateway from VMware SD-WAN Orchestrator
- Demonstrate the procedure to install a VMware SD-WAN Gateway on ESXi
- Describe how BGP works together with a Partner Gateway hand-off

## 11 MSP Operations and Version Management

- Identify the appropriate documentation
- Demonstrate account management
- Describe the VMware SD-WAN upgrade sequence
- Demonstrate a VMware SD-WAN Edge and VMware SD-WAN Gateway upgrade

## 7 VMware SD-WAN Security

- Explain VMware SD-WAN security architecture
- Describe VMware SD-WAN Edge security capabilities

## Session Dates

Aikataulutamme kiinnostuksen mukaan. [Ota yhteyttä](#)

## Additional Information

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