Deploy & Manage Citrix SD-WAN – Essentials

Certification: CC-SDWAN | **Course Length:** 3 Days | **Instructional Method:** Classroom or Virtual w/ hands-on labs

Course overview

Learn the various SD-WAN implementations and deployment modes available, and how to choose the one that is right for your organization. Take a tour of the underlying architecture of SD- WAN and learn how to differentiate between the various components. Understand how the different elements of SD-WAN come together to provide a better network experience. Topics include: Quality of Service, Classes of Service, Rules, Dynamic Routing, DHCP Services, Zero Touch Deployment and the SD-WAN management tools available. Hands-on labs to be provided.

What you'll learn

- Deployment options available

- Initial configuration and management of Citrix SD-WAN

- Provisioning and management considerations

- SD-WAN security considerations

- SD-WAN optimizations available

Versions covered

This course is currently on Citrix SD-WAN version 10.x

Prereq. knowledge

- Understanding of different computer networks such as LAN and WAN
- Familiarity with data-carrying techniques, including Multiprotocol Label Switching (MPLS), Metro Ethernet, and VPN tunneling
- Understanding of techniques for increasing data transfer efficiencies / WAN optimization
- General understanding of branch network technologies; Routing, Firewall, DHCP, Internet control, Quality of Service

Is this course for me?

Built for IT Professionals working with Citrix SD-WAN, with little or no previous SD-WAN experience. Potential students include administrators, engineers, and architects interested in learning how to deploy or manage Citrix SD-WAN.

Deploy & Manage Citrix SD-WAN – Essentials

Module 1: Citrix SD-WAN Introduction and Overview

• Citrix SD-WAN Functionality

• Platforms & Editions

• Initial Configuration

Module 2: Citrix SD-WAN Deployment Modes and Configuration

• Deployment Mode Options

• Multi-Region Deployment

• Interface Groups

• Virtual IP Addresses

• WAN Links

• Change Management

• Upgrading Deployments

• Zero Touch Deployment Options

Module 3: Citrix SD-WAN Provisioning and Change Management

• Appliance Architecture

• SD-WAN Management Architecture Options

• Packet Processing and Architecture

• SD-WAN Services

Module 4: Citrix SD-WAN Security Considerations

• Citrix SD-WAN Physical Security

• Appliance Security Considerations

• Network Security

• Stateful Firewall Considerations

• Firewall Rules and Zones

• Security Administration and Management

Module 5: Citrix SD-WAN Quality of Service

• Citrix SD-WAN Quality of Service

• Classes of Service and Rules

• Application Quality of Service

• SD-WAN Transmit Modes

• Bandwidth Provisioning

• Deep Packet Inspection

Module 6: Citrix SD-WAN Optimizations

• Dynamic Routing

• IPsec Termination

• MPLS Queues

• Path State Sensitivity Control

• Virtual Router Redundancy Protocol Support