



# 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.

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## 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