

## CNS-231: Deploy and Manage Citrix SD-WAN 11.x

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### Course Summary

#### Description

In this three-day course, you will learn how Citrix SD-WAN can simplify branch networking for your organization. You'll walk away understanding how to configure and manage SD-WAN, including the SD-WAN architecture, deployment options, provisioning, and how to use Citrix SD-WAN Orchestrator in your environment. Additional topics include branch office deployment, SD-WAN monitoring, reporting, and diagnostics.

#### Objectives

At the end of this course, students will be able to:

- Understand initial configuration and management of Citrix SD-WAN
- Understand deployment options available
- Understand Citrix SD-WAN Orchestrator utilities and considerations
- Understand Citrix SD-WAN administration, including monitoring and reporting

#### Topics

- Citrix SD-WAN Overview
- Citrix SD-WAN Architecture
- Citrix SD-WAN Deployment
- Citrix SD-WAN Deployment Modes
- Citrix SD-WAN Configuration
- Citrix SD-WAN Orchestrator
- Citrix SD-WAN Administration

#### Audience

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

#### Prerequisites

Before taking this course, students should have:

- 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

#### Duration

Three days

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### Course Outline

#### *I. Citrix SD-WAN Overview*

- A. Citrix SD-WAN Use Cases
- B. Citrix SD-WAN Technical Overview
- C. Citrix SD-WAN Management

#### *II. Citrix SD-WAN Architecture*

- A. Citrix SD-WAN Architecture
- B. Citrix SD-WAN Hardware Bypass
- C. Citrix SD-WAN Packet Processing

#### *III. Citrix SD-WAN Deployment*

- A. Citrix SD-WAN Deployment Modes
- B. Citrix SD-WAN Branch Office Deployment
- C. Citrix SD-WAN Deployment Considerations

#### *IV. Citrix SD-WAN Configuration*

- A. Citrix SD-WAN Configuration Process
- B. Citrix SD-WAN Provisioning

#### *V. Citrix SD-WAN Orchestrator*

- A. Citrix SD-WAN Orchestrator Overview
- B. Citrix SD-WAN Orchestrator Customer Onboarding
- C. Citrix SD-WAN Orchestrator Configuration
- D. Citrix SD-WAN Orchestrator Reporting

#### *VI. Citrix SD-WAN Administration*

- A. Citrix SD-WAN Administrative Tasks
- B. Citrix SD-WAN Monitoring
- C. Citrix SD-WAN Reporting
- D. Citrix SD-WAN Diagnostics