

CNS-227-11: Deploy and Manage Citrix ADC 13.x with Citrix Gateway

Course Summary

Description

Expand your Citrix networking knowledge and skills by enrolling in this five-day course. It covers Citrix ADC essentials, including secure load balancing, high availability and operations management, and also focuses on Citrix Gateway. You will learn to deliver secure remote access to apps and desktops integrating Citrix Virtual Apps and Citrix Desktops with Citrix Gateway.

Objectives

After taking this course, students will be able to:

- Identify the functionality and capabilities of Citrix ADC and Citrix Gateway
- Explain basic Citrix ADC and Gateway network architecture
- Identify the steps and components to secure Citrix ADC
- Configure Authentication, Authorization, and Auditing
- Integrate Citrix Gateway with Citrix Virtual Apps, Citrix Virtual Desktops and other Citrix components

Topics

::Getting Started	::Citrix Gateway
::Basic Networking	::AppExpert Expressions
::ADC Platforms	::Authentication, Authorization, and Secure Web Gateway
::High Availability	::Managing Client Connections
::Load balancing	::Integration for Citrix Virtual Apps and Desktops
::SSL Offloading	::Configuring Citrix Gateway
::Security	
::Monitoring and Troubleshooting	

Audience

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

Prerequisites

This course requires little to no previous experience with Citrix ADC; however, Citrix recommends a basic understanding of TCP/IP, HTTP, and of the OSI model, network devices, and networking protocols.

Duration

Five days

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Course Outline

I. *Getting Started*

- A. Introduction to Citrix ADC
- B. Feature and Platform Overview
- C. Deployment Options
- D. Architectural Overview
- E. Setup and Management

II. *Basic Networking*

- A. Networking Topology
- B. Citrix ADC Components
- C. Routing
- D. Access Control Lists

III. *ADC Platforms*

- A. Citrix ADC MPX
- B. Citrix ADC VPX
- C. Citrix ADC CPX
- D. Citrix ADC SDX
- E. Citrix ADC BLX

IV. *High Availability*

- A. Citrix ADC High Availability
- B. High Availability Configuration
- C. Managing High Availability
- D. In Service Software Upgrade
- E. Troubleshooting High Availability

V. *Load balancing*

- A. Load Balancing Overview
- B. Load Balancing Methods and Monitors
- C. Load Balancing Traffic Types
- D. Load Balancing Protection
- E. Priority Load Balancing
- F. Load Balancing Troubleshooting

VI. *SSL Offloading*

- A. SSL Overview
- B. SSL Configuration
- C. SSL Offload
- D. Troubleshooting SSL Offload
- E. SSL Vulnerabilities and Protections

VII. *Security*

- A. Authentication, Authorization, and Auditing
- B. Configuring External Authentication
- C. Admin Partitions

VIII. *Monitoring and Troubleshooting*

- A. Citrix ADC Logging
- B. Monitoring with SNMP
- C. Reporting and Diagnostics
- D. AppFlow Functions
- E. Citrix Application Delivery Management
- F. Troubleshooting

IX. *Citrix Gateway*

- A. Introduction to Citrix Gateway
- B. Advantages and Utilities of Citrix Gateway
- C. Citrix Gateway Configuration
- D. Common Deployments

X. *AppExpert Expressions*

- A. Introduction to AppExpert Policies
- B. Default Policies
- C. Explore Citrix ADC Gateway Policies
- D. Policy Bind Points
- E. Using AppExpert with Citrix Gateway

XI. *Authentication, Authorization, and Secure Web Gateway*

- A. Authentication and Authorization
- B. Multi-Factor Authentication
- C. nFactor Visualizer
- D. SAML authentication

XII. *Managing Client Connections*

- A. Introduction to Client Connections
- B. Session Policies and Profiles
- C. Pre and Post Authentication Policies
- D. Citrix Gateway Deployment Options
- E. Managing User Sessions

XIII. *Integration for Citrix Virtual Apps and Desktops*

- A. Virtual Apps and Desktop Integration
- B. Citrix Gateway Integration
- C. Citrix Gateway WebFront
- D. ICA Proxy
- E. Clientless Access and Workspace App
- F. Access Fallback
- G. SmartControl and SmartAccess for ICA

XIV. *Configuring Citrix Gateway*

- A. Working with Apps on Citrix Gateway
- B. RDP Proxy
- C. Portal Themes and EULA