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Learning Style: Virtual Classroom

Provider: Citrix

Difficulty: Intermediate

Course Duration: 5 Days

Next Course Date: **January 20, 2025**

Deploy and Manage Citrix ADC 13.x with Citrix Gateway (CNS-227)

About this Course:

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.

Course Objectives:

- 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

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.

Course Outline:

Module 1: Getting Started

Learning Objectives

- Introduction to Citrix ADC
- Feature and Platform Overview
- Deployment Options
- Architectural Overview
- Setup and Management

Module 2: Basic Networking

Learning Objectives

- Networking Topology
- Citrix ADC Components
- Routing
- Access Control Lists

Module 3: ADC Platforms

Learning Objectives

- Citrix ADC MPX
- Citrix ADC VPX
- Citrix ADC CPX
- Citrix ADC SDX
- Citrix ADC BLX

Module 4: High Availability

Learning Objectives

- Citrix ADC High Availability
- High Availability Configuration
- Managing High Availability
- In Service Software Upgrade
- Troubleshooting High Availability

Module 5: Load balancing

Learning Objectives

- Load Balancing Overview
- Load Balancing Methods and Monitors
- Load Balancing Traffic Types
- Load Balancing Protection
- Priority Load Balancing
- Load Balancing Troubleshooting

Module 6: SSL Offloading

Learning Objectives

- SSL Overview
- SSL Configuration
- SSL Offload
- Troubleshooting SSL Offload
- SSL Vulnerabilities and Protections

Module 7: Security

Learning Objectives

- Authentication, Authorization, and Auditing
- Configuring External Authentication
- Admin Partitions

Module 8: Monitoring and Troubleshooting

Learning Objectives

- Citrix ADC Logging
- Monitoring with SNMP
- Reporting and Diagnostics
- AppFlow Functions
- Citrix Application Delivery Management
- Troubleshooting

Module 9: Citrix Gateway

Learning Objectives

- Introduction to Citrix Gateway
- Advantages and Utilities of Citrix Gateway
- Citrix Gateway Configuration
- Common Deployments

Module 10: AppExpert Expressions

Learning Objectives

- Introduction to AppExpert Policies
- Default Policies
- Explore Citrix ADC Gateway Policies
- Policy Bind Points
- Using AppExpert with Citrix Gateway

Module 11: Authentication, Authorization, and Secure Web Gateway

Learning Objectives

- Authentication and Authorization
- Multi-Factor Authentication
- nFactor Visualizer
- SAML authentication

Module 12: Managing Client Connections

Learning Objectives

- Introduction to Client Connections
- Session Policies and Profiles
- Pre and Post Authentication Policies
- Citrix Gateway Deployment Options

- Managing User Sessions

Module 13: Integration for Citrix Virtual Apps and Desktops

Learning Objectives

- Virtual Apps and Desktop Integration
- Citrix Gateway Integration
- Citrix Gateway WebFront
- ICA Proxy
- Clientless Access and Workspace App
- Access Fallback
- SmartControl and SmartAccess for ICA

Module 14: Configuring Citrix Gateway

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- Working with Apps on Citrix Gateway
- RDP Proxy
- Portal Themes and EULA

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