ProTech Professional Technical Services, Inc.

Citrix ADC 12.x Essentials and Citrix Gateway CNS-222

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.

This course is best suited for IT professionals, with little or no previous Citrix networking experience, who will be deploying or managing Citrix ADC, or Citrix Gateway environments.

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

- Introduction to Citrix Networking
- Basic Networking
- Citrix Networking Platforms
- Citrix ADC High Availability
- Load Balancing
- SSL Offload
- Citrix ADC Logging
- Troubleshooting

- Citrix Gateway
- AppExpert Expressions
- Authentication, Authorization, and Secure Web Gateway
- Managing Client Connections
- Integration for Citrix Virtual Apps and Desktops
- Configuring Citrix Gateway

Audience

This course is 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

There are no prerequisites for this course.

Duration

Five days

Course Outline

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Course Outline

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

II.   Basic Networking
 A. Citrix networking components
 B. Routing
 C. Access Control Lists

III. Citrix Networking Platforms
 A. Citrix MPX
 B. Citrix VPX
 C. Citrix CPX
 D. Citrix SDX

IV.   Citrix ADC High Availability
 A. Citrix ADC High Availability
 B. High Availability Configuration
 C. Managing High Availability
 D. 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. Load Balancing Troubleshooting

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

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

VIII. 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

X.   AppExpert Expressions
 A. Introduction to AppExpert Policies
 B. Classic v. Default Policies
 C. Explore Citrix ADC Gateway Policies
 D. Policy Bind Points

**XI.   Authentication, Authorization, and
        Secure Web Gateway**
 A. Authentication and Authorization
 B. Multi-Factor 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

**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 Receiver
 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