

## **CAG-200-1I Implementing Citrix Access Gateway 9.0 Enterprise Edition**

This course covers information administrators and other IT professionals need to successfully deploy and manage Access Gateway 9.0 Enterprise Edition and the Access Gateway Plug-ins. Designed to provide real-world experience, hands-on labs allow learners to configure an Access Gateway server and then connect to the server using the Configuration Utility.

### **Audience**

This course is intended for IT professionals, system architects and system engineers.

### **Preparatory Recommendations**

Before taking this course, Citrix recommends that learners possess the following knowledge/experience:

- Basic knowledge of application and network protocols, devices and commonly used tools (such as IP, HTTP and DNS)
- Basic knowledge of network management and auditing protocols (such as SNMP and Syslog)
- Working knowledge of basic routing and layer 2 switching concepts
- Working knowledge of commonly used network appliances (such as load balancers, firewalls, routers and switches)
- Practical experience with troubleshooting tools (such as protocol analyzers Ethereal/WireShark and NetMon)
- Knowledge of AAA (authentication, authorization and accounting) protocols (such as LDAP or RADIUS)
- Basic knowledge of command line interfaces
- Basic knowledge of VPN concepts
- Knowledge of desktop operating systems and desktop security concepts (such as antivirus software and personal firewalls)

### **Key Skills**

Upon successful completion of this course, learners are able to demonstrate the following objectives:

- Understand how the Access Gateway Enterprise Edition differs from the Standard and Advanced Editions.
- Perform the initial configuration of the Access Gateway server.
- Install Access Gateway Plug-ins for Windows, ActiveX and Java.
- Configure VPN virtual servers.
- Create policies to customize VPN behavior.
- Customize client experience and login pages.
- Configure Access Gateway to integrate with XenApp and WANScaler.
- Create and configure policies and profiles.

### **Instructional Method**

This course is an instructor-led training course with classroom discussion, demonstrations and the practical application of concepts through hands-on exercises.

## Certification Information

This course prepares learners for Exam A13 Implementing Citrix Access Gateway 9.0 Enterprise Edition, the requirement for the CCA for Citrix Access Gateway 9 Enterprise Edition.

## Course Length

2 days

## Topic Outline

- **Deploying the Citrix Access Gateway**
  - Access Gateway Features
  - Access Gateway Product Line
  - Identifying Access Gateway Hardware Platforms
  - Identifying the Access Gateway Hardware Components
  - Identifying Network Placement Options
  - WANScaler Integration
  - Identifying Deployment Considerations
- **Performing an Initial Installation and Configuration**
  - Access Gateway Installation
  - Logging in to the Access Gateway
  - Setting the Password
  - Managing Licensing
  - Enabling Access Gateway Features
  - Initial Configuration
  - Understanding Virtual Local Area Networks
  - Running the Access Gateway Wizard
  - Saving the Configuration
- **Performing Basic Administration**
  - Access Gateway Administrative Tools
  - Introducing the Configuration Utility
  - Introducing the Command-Line Interface
  - Introducing FreeBSD
  - Using Third-Party Tools
  - Access Gateway Management
  - Performing an Upgrade
  - Managing Role-Based Administration
- **Configuring Policies**
  - Policy Structure
  - Policy Types and Their Uses
  - Policy Expressions
  - Identifying Qualifiers
  - Identifying Operators
  - Identifying Operands, Wildcards and Context-Sensitive Fields
  - Policy Priority
  - Policy Manager
  - Using Policy Manager
  - Creating Policy Expressions
- **Configuring Access Policies**
  - Endpoint Analysis
  - Configuring Pre-Authentication Policies
  - Authentication Policies
  - Configuring Authentication Policies
  - Authorization Policies
  - Configuring Authorization Policies
  - Session Policies
  - Configuring Credential Passing
  - Timeout Settings
  - Configuring Timeout Settings

- Client Cleanup
- Configuring Client Cleanup
- Split Tunneling
- Configuring Split Tunneling
- **Providing User Access**
  - Plugin Options and Configuration
  - Displaying Client Options and the Configuration Window
  - Connection Methods
  - Deploying Access Gateway Plugins
  - Configuring Clientless Access
  - Client Software Selection
  - Configuring Access Choices
- **Customizing the User Experience**
  - Intranet Applications
  - Configuring Intranet Applications
  - Intranet IP Addresses.
  - Configuring Intranet IP Addresses
  - Traffic Policies
  - Configuring Traffic Policies
  - TCP Compression Policies
  - Configuring TCP Compression Policies
  - Login Page Customization
- **Securing XenApp Connections**
  - XenApp Overview
  - ICA Proxy Mode
  - Configuring ICA Proxy Mode
  - Binding the Secure Ticket Authority
  - Configuring Web Interface Failover
  - Web Interface Connections through Access Gateway
  - Configuring Web Interface for Access Gateway Connections
  - File Type Association
  - Configuring File Type Association
  - SmartAccess
  - Configuring SmartAccess
  - Configuring XenApp for SmartAccess
  - Configuring Access Scenario Fallback
- **Auditing and Logging**
  - Syslog and Nslog Auditing
  - Configuring Audit Servers
  - Configuring Global Auditing Parameters
  - Configuring Auditing Policies
  - Binding Auditing Policies
  - Viewing Recent Audit Messages
  - Viewing Historical Audit Messages
  - Access Gateway Log Management
  - Monitoring Tool
  - User Connection Management
  - Historical Reporting
- **Configuring High Availability**
  - Introduction to High Availability
  - High Availability Node Configuration
  - Configuring Nodes
  - Verifying High Availability Status
  - Performing Synchronization
  - Performing a Forced Failover
  - High Availability Management