

## **CTX-1259CI Citrix XenApp 5 for Windows Server 2003: Administration**

This course provides the foundation necessary to effectively deploy and administer Citrix XenApp 5 for Windows Server 2003 and its components, including Web Interface, Application Streaming, Load Manager, Installation Manager and Secure Gateway.

Learners will receive hands-on training for installing Citrix XenApp and the associated plug-ins and for using the various administrative consoles to configure published resources, policies, individual server and server farm settings, load evaluators, printers, streaming applications and much more.

### **Audience**

This course is intended for IT professionals, such as server, network and systems and administrators familiar with Microsoft Windows environments. Systems engineers, analysts, consultants, and architects are also appropriate candidates for this course.

### **Preparatory Recommendations**

It is recommended that learners have experience administering Microsoft Windows Server 2003 environments.

### **Key Skills**

Upon successful completion of this course, learners will be able to:

- Install Citrix XenApp in a Windows Server 2003 environment
- Install and distribute Citrix XenApp Plugins
- Create and customize Web Interface sites
- Publish applications, server desktops and content
- Configure XenApp Web and XenApp Services sites
- Configure, apply and prioritize policies in a XenApp environment
- Create and assign load evaluators
- Configure printers and printer policies and manage print drivers and printer bandwidth
- Create and configure XenApp administrator accounts and their permissions
- Configure HDX settings
- Configure SecureICA encryption, SSL Relay and Secure Gateway
- Install and distribute applications, service packs and hotfixes

### **Instructional Method**

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

### **Course Length**

5 days

### **Certification Preparation**

CTX-1259CI prepares learners for exam 259 Citrix XenApp 5 for Windows Server 2003: Administration, the requirement for the CCA for XenApp 5 for Windows Server 2003.

### **Registration**

For more information and to register for this course, please go to [www.citrixeducation.com](http://www.citrixeducation.com).

## Topic Outline

Provided is the outline for CTX-1259CI:

- Installing XenApp
  - Identifying Components of XenApp 5
  - Features of XenApp 5 Feature Pack 2
  - Identifying XenApp Management Consoles
    - Installing XenApp
    - XenApp Installation Decisions
- Installing and Configuring Citrix XenApp Plugins
  - Citrix XenApp Plugins for Windows
  - Architecture and Communication
  - Citrix Online Plug-in Installation
    - Installing the Citrix Online Plug-in
  - Citrix Online Plug-in Usage
    - Using the Citrix Online Plug-in Web
    - Using the Citrix Online Plug-in
  - Session Reliability
- Publishing Resources
  - Resource Publishing
    - Publishing Resources
    - Organizing Published Resources for Users
  - Advanced Published Resource Settings
    - Configuring Access Control Properties
    - Configuring Client-to-Server Content Redirection
    - Configuring Server-to-Client Content Redirection
    - Implementing Resource Limits and Client Options
    - Configuring Resource Appearance
  - Published Resource Management
    - Viewing Published Resource Usage
    - Modifying Published Resource Properties
    - Disabling or Hiding a Published Resource
- Enabling Web Access to Published Resources
  - Web Interface Architecture and Communications
  - Web Interface Installation
  - Site Creation
    - Creating XenApp Web Sites
    - Creating XenApp Services Sites
    - Modifying a Web Interface Site
  - Site Appearance
    - Configuring the Site Appearance
    - Configuring Session Preferences
    - Configuring Workspace Control
  - XenApp Plugins and the Web Interface
    - Configuring Plugin Deployment
    - Configuring Client for Java Settings
  - Authentication Configuration
    - Configuring Explicit Authentication
    - Configuring Pass-through Authentication
    - Configuring Smart Card Authentication
  - Web Interface Access Methods
    - Configuring an Access Method
  - Client-side Proxy Setting Configuration
  - Server Configuration
    - Adding Server Farms
    - Configuring Load Balancing
    - Enabling Fault Tolerance
    - Configuring the Citrix XML Service
  - Web Interface Site Removal
- Configuring Policies in XenApp

- Architecture and Communication
- Policies in XenApp
  - Identifying Policy Rules
  - Using the Streamed Applications Rule
  - Creating Policies in XenApp
  - Applying Policies Using Filters
- Policy Administration
  - Prioritizing Policies
  - Using the Policy Search Engine
  - Merging Shadow Policies
- Common Policy Configuration Missteps
- Configuring Sessions in XenApp
  - Session Connection Settings
    - Configuring Virtual IP Addresses
    - Configuring Broadcast Settings
    - Configuring the Citrix XML Service
    - Configuring Time Zone Settings
    - Configuring Novell Directory Services
  - Session Reconnection Configuration
    - Configuring Keep-Alive Settings
    - Configuring Session Reliability
    - Configuring Auto Client Reconnect
  - Session Performance Configuration
    - Configuring HDX Broadcast Display
    - Configuring HDX 3D Browser Acceleration
    - Configuring HDX MediaStream Multimedia Acceleration
    - Configuring HDX MediaStream for Flash
    - Configuring SpeedScreen Latency Reduction
    - Configuring HDX 3D Progressive Display
- Configuring XenApp
  - Administrator Accounts and Permissions
    - Adding Administrator Accounts
    - Configuring Administrator Permissions
    - Configuring Folder Permissions
  - Configuration Logging
    - Connecting to the Configuration Logging Database
    - Configuring Configuration Logging
  - Data Collectors and License Servers
    - Configuring Data Collectors
    - Specifying the License Server
  - Performance Settings
    - Optimizing CPU Utilization
    - Implementing Virtual Memory Management
  - Administration Settings
    - Configuring Health Monitoring and Recovery
    - Configuring Remote Console Connections
    - Configuring ICA Connection Limits
    - Configuring Shadow Settings
  - Power and Capacity Management
    - Installing Power and Capacity Management
    - Configuring Power and Capacity Management
- Configuring Load Management
  - Load Balancing Process
  - Load Calculation
  - Load Evaluator Configuration
    - Creating Custom Load Evaluators
    - Assigning Load Evaluators to Servers and Applications
  - Load Monitoring
    - Monitoring Load Evaluator Usage

- Monitoring Load Evaluator Rule Activity
    - Logging Load Manager Activity
  - Load Management Troubleshooting Tips
- Delivering Applications with XenApp
  - Application Installation
    - Shadow Isolation Environments
    - Creating an Isolation Environment
    - Configuring Isolation Environment Settings
    - Associating an Application with an Isolation Environment
  - Installation Manager Overview
    - Installation Manager Packaging
    - Rolling Back the Packager
    - Packaging an Application
    - Packaging a File or Folder Contents
    - Packaging an Unattended Installation
  - Package Delivery
    - Adding a Package to the Installation Manager Database
    - Installing a Package
    - Publishing a Package
  - Installation Manager Administration
    - Configuring Installation Manager Properties
    - Creating Server Groups
    - Creating and Using Package Groups
    - Viewing Package Status
    - Uninstalling a Package
- Configuring Printing
  - Architecture and Communication
    - Printer Provisioning
    - Secure Client Printing
    - Workspace Control
    - Network Considerations
  - Print Drivers
  - Client Printers
    - Enabling Client Printer Auto-creation .
    - Creating Auto-retained Printers
    - Creating Permanent Client Printers .
    - Creating Auto-restored Client Printers
  - Network Printers
  - Importing Print Servers
  - Assigning Network Printers to Users
  - Managing Printer Bandwidth
  - Print Driver Management
    - Replicating Print Drivers
    - Maintaining Print Driver Compatibility Lists
    - Configuring Print Driver Mappings
    - Assigning Printer Creation Settings to Published Applications
  - Common Printing Configuration Missteps
- Streaming Applications
  - Application Streaming Components
  - Application Streaming Communications
  - Citrix Offline Plug-in
    - Installing the Citrix Offline Plug-in
  - Citrix Streaming Profiler
    - Installing the Citrix Streaming Profiler
  - Profile Configuration
    - Setting Profiler Preferences
    - Configuring Profiles
    - Configuring Inter-isolation Communication
    - Viewing and Changing Profile Properties

- Changing Target Properties
    - Adding a Target to a Profile
    - Deleting a Target from a Profile
    - Upgrading an Application in a Target
    - Deleting an Obsolete Version of a Target
  - Streaming Application Configuration
    - Publishing a Streamed Application
    - Changing the Application Type
    - Specifying an Alternate Profile for a Published Application
    - Enabling the Least-Privileged User Account
    - Configuring Sites for Streaming Applications
  - Offline Access Management
    - Providing Offline Access
    - Customizing the Offline License Setting
    - Caching Applications for Offline Access
- Securing Access to Published Resources.
  - SecureICA Encryption
    - Configuring SecureICA Encryption in a Policy
    - Configuring SecureICA Encryption Through a Published Application
  - Citrix SSL Relay
    - Configuring Citrix SSL Relay
  - Access Gateway
  - Secure Gateway
    - Secure Gateway Configuration
    - Using Digital Certificates
    - Installing the Secure Gateway
    - Configuring the Secure Gateway
    - Configuring the Secure Ticket Authority
  - Web Interface Configuration
    - Configuring the Access Method
    - Configuring the Web Interface Secure Gateway Settings
  - Secure Gateway Monitoring
  - Security Best Practices