CXA-201-2I Implementing Citrix XenApp 5.0 for Windows Server 2008

Course Summary

Description
This course provides the foundation necessary to effectively deploy and administer Citrix XenApp 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.

Objectives
At the end of this course, students will be able to:

- Install Citrix XenApp
- Install and distribute Citrix XenApp Plugins for Windows software
- 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 display and SpeedScreen settings
- Configure SecureICA encryption, SSL Relay and Secure Gateway
- Install and distribute applications, service packs and hotfixes using Installation Manager
- Identify key features of the Citrix XenApp Platinum Edition additional components

Topics

- Introducing XenApp 5.0
- Installing XenApp
- Installing and Configuring the Web Interface
- Delivering Applications and Content
- Streaming Applications
- Configuring Policies in XenApp
- Configuring Load Management
- Configuring Printing
- Administrative Configuration
- Display and SpeedScreen Configuration
- XenApp Security
- Installing Application, Service Packs and Hotfixes
- Platinum Edition Additional Components

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.

Prerequisites
It is recommended that students have experience administering Microsoft Windows Server 2003 or Windows Server 2008 environments.

Duration
Five days

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Course Outline

I. Introducing XenApp 5.0
- A. Components of XenApp 5.0
- B. XenApp 5.0 Architecture and Communications
- C. Features of XenApp 5.0
- D. License Management Console
- E. Access Management Console
- F. XenApp Advanced Configuration Tool

II. Installing XenApp
- A. XenApp Installation Decisions
- B. XenApp Installation
  1. Installing XenApp
  2. Installing and Configuring Citrix XenApp Plugins
- C. Citrix XenApp Plugins for Windows
- D. Architecture and Communication
- E. Citrix XenApp Plugins Installation
  1. Installing Citrix XenApp Plugins
- F. Custom Installation Package
- G. Creating a Custom Installation Package
- H. Citrix XenApp Plugin Usage
  1. Using the Citrix XenApp Web Plugin
  2. Using the Citrix XenApp Plugin
- I. Session Reliability

III. Installing and Configuring the Web Interface
- A. Web Interface Architecture and Communications
- B. Web Interface Installation
- C. Site Creation
  1. Creating XenApp Web Sites
  2. Creating XenApp Services Sites
  3. Modifying a Web Interface Site
- D. Site Appearance
  1. Configuring the Site Appearance
  2. Configuring Session Preferences
  3. Configuring Workspace Control
- E. XenApp Plugins and the Web Interface
  1. Configuring Plugin Deployment
  2. Configuring Client for Java Settings
- F. Authentication Configuration
  1. Configuring Explicit Authentication
  2. Configuring Pass-through Authentication
  3. Configuring Smart Card Authentication
- G. Web Interface Access Methods
  1. Configuring an Access Method
- H. Client-side Proxy Setting Configuration
- I. Server Configuration
  1. Adding Server Farms
  2. Configuring Load Balancing
  3. Enabling Fault Tolerance
  4. Configuring the Citrix XML Service
- J. Web Interface Site Removal
  1. Uninstalling a Web Interface Site

IV. Delivering Applications and Content
- A. Resource Publishing
  1. Publishing Resources
  2. Organizing Published Resources for Users
- B. Advanced Published Resource Settings
  1. Configuring Access Control Properties
  2. Configuring Client-to-Server Content Redirection
  3. Configuring Server-to-Client Content Redirection
  4. Implementing Resource Limits and Client Options
  5. Configuring Resource Appearance
- C. Published Resource Management
  1. Viewing Published Resource Usage
  2. Modifying Published Resource Properties
  3. Disabling or Hiding a Published Resource

V. Streaming Applications
- A. Application Streaming Components
- B. Application Streaming Communications
- C. XenApp Plugin for Streamed Applications

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Course Outline (cont'd)

1. Installing the XenApp Plugin for Streamed Apps

D. Citrix Streaming Profiler
1. Installing the Citrix Streaming Profiler

E. Profile Configuration
1. Setting Profiler Preferences
2. Configuring Profiles
3. Configuring Inter-isolation Communication
4. Viewing and Changing Profile Properties
5. Changing Target Properties
6. Adding a Target to a Profile
7. Deleting a Target from a Profile
8. Upgrading an Application in a Target
9. Deleting an Obsolete Version of a Target
10. Streaming Application Configuration
11. Publishing a Streamed Application
12. Changing the Application Type
13. Specifying an Alternate Profile for a Published Application
14. Enabling the Least-Privileged User Account
15. Configuring Sites for Streaming Applications

F. Offline Access Management
1. Providing Offline Access
2. Customizing the Offline License Setting
3. Caching Applications for Offline Access

VI. Configuring Policies in XenApp

A. Architecture and Communication
B. Policies in XenApp
1. Identifying Policy Rules
2. Using the Streamed Applications Rule
3. Creating Policies in XenApp
4. Applying Policies Using Filters

C. Policy Administration
1. Prioritizing Policies
2. Using the Policy Search Engine
3. Merging Shadow Policies

D. Common Policy Configuration Missteps

VII. Configuring Load Management

A. Load Balancing Process
B. Preferential Load Balancing
C. Load Calculation
D. Load Evaluator Configuration
1. Creating Custom Load Evaluators
2. Assigning Load Evaluators to Servers and Applications

E. Load Monitoring
1. Monitoring Load Evaluator Usage
2. Monitoring Load Evaluator Rule Activity

F. Logging Load Manager Activity
G. Load Management Troubleshooting Tips

VIII. Configuring Printing

A. Architecture and Communication
B. Printer Provisioning
C. Secure Client Printing
D. Workspace Control
E. Network Considerations
F. Print Drivers
G. Client Printers
1. Enabling Client Printer Auto-creation
2. Creating Auto-retained Printers
3. Creating Permanent Client Printers
4. Creating Auto-restored Client Printers

H. Network Printers
1. Importing Print Servers

I. Assigning Network Printers to Users
1. Managing Printer Bandwidth

J. Print Driver Management
1. Replicating Print Drivers
2. Maintaining Print Driver Compatibility Lists
3. Configuring Print Driver Mappings
4. Assigning Printer Creation Settings to Published Applications

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Course Outline (cont'd)

K. Common Printing Configuration Missteps

IX. Administrative Configuration
- A. Administrative Permissions
  - 1. Adding Administrator Accounts
- B. Configuring Administrator Permissions
  - 2. Configuring Folder Permissions
- C. Remote Console Connections
  - 1. Enabling Remote Console Connections
- D. Configuration Logging
  - 1. Connecting to the Configuration Logging Database
  - 2. Configuring Configuration Logging

X. Display and SpeedScreen Configuration
- A. Display Settings
- B. SpeedScreen Browser Acceleration
  - 1. Configuring SpeedScreen Browser Acceleration
- C. SpeedScreen Multimedia Acceleration
  - 1. Configuring SpeedScreen Multimedia Acceleration
- D. SpeedScreen Flash Acceleration
  - 1. Configuring SpeedScreen Flash Acceleration
- E. SpeedScreen Latency Reduction
  - 1. Configuring SpeedScreen Latency Reduction
- F. SpeedScreen Image Acceleration
  - 1. Configuring SpeedScreen Image Acceleration
- G. SpeedScreen Progressive Display
  - 1. Configuring SpeedScreen Progressive Display

XI. XenApp Security
- A. SecureICA Encryption
  - 1. Configuring SecureICA Encryption in a Policy
  - 2. Configuring SecureICA Encryption Through a Published Application
- B. Citrix SSL Relay
  - 1. Configuring Citrix SSL Relay
- C. Access Gateway
- D. Secure Gateway
- E. Secure Gateway Configuration Overview
  - 1. Using Digital Certificates
  - 2. Installing the Secure Gateway
  - 3. Configuring the Secure Gateway
  - 4. Configuring the Secure Ticket Authority
- F. Web Interface Configuration
- G. Configuring the Access Method
- H. Configuring the Web Interface Secure Gateway Settings
  - 1. Secure Gateway Monitoring
  - 2. Security Best Practices

XII. Installing Applications, Service Packs and Hotfixes
- A. Application Installation
- B. Shadow Key
- C. Installation Manager for Citrix XenApp
  - 1. Installing Installation Manager
  - 2. Using Installation Manager
- D. Task Management
  - 1. Installing Service Packs and Hotfixes

XIII. Platinum Edition Additional Components
- A. Application Performance Monitoring Overview
  - 1. Reviewing the EdgeSight Architecture
- B. SmartAccess Overview
  - 1. Reviewing an Access Gateway Deployment
- C. SmartAuditor Overview
  - 1. Reviewing the SmartAuditor Architecture
- D. Single Sign-on Overview
  - 1. Reviewing the Password Manager Architecture
  - 2. EasyCall Overview
  - 3. Reviewing the EasyCall Architecture
- E. WAN Optimization Overview
  - 1. Reviewing the Branch Repeater Architecture

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