
Citrix WANScaler 4.3 and Citrix Branch Repeater: Administration

Duration: 2 Days **Course Code: CTX1741AI**

Overview:

This course introduces administrators and other IT professionals to the operational theory behind Citrix WANScaler 4.3 and prepares them to plan a deployment and to install, configure and administer the product. This course also covers the information necessary to successfully install and configure the WANScaler Client and Citrix Branch Repeater Enterprise Edition.

Target Audience:

This course is intended for learners familiar with networking components, including network administrators, network engineers and systems engineers

Objectives:

- Upon successful completion of this course, learners are able to:
 - • Identify the features of Citrix WANScaler 4.3.
 - • Identify the limitations of TCP over a WAN and identify how protocols are optimized.
 - • Determine when to deploy in inline, virtual inline and group modes.
 - • Identify high availability (HA) pair considerations and identify router considerations.
 - • Deploy a Citrix WANScaler and configure initial settings.
 - • Create users and assign permissions, administer licenses and system tools, generate reports and understand logs, alerts and graphs.
 - • Test bandwidth, configure bandwidth modes and schedules and configure tuning options.
 - • Create a service class, configure QoS and monitor QoS statistics.
 - • Configure and extract the WANScaler log.
 - • Identify common WANScaler deployment issues and resolutions.
 - • Test bandwidth and capture traces.
 - • Configure the signaling IP address and acceleration rules on a WANScaler appliance.
 - • Install and configure the WANScaler Client.
 - • Identify the Branch Repeater installation steps, management tools, and supported Windows services and components.
 - • Perform Branch Repeater initial configuration and maintenance tasks.
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Prerequisites:

Before taking this course, Citrix recommends that learners have the following:

- Knowledge of TCP/IP protocols
- Understanding of OSI model
- Experience with network devices, including routers and switches
- Experience with networking protocols
- Experience with aspects of site architecture, including DMZ and VLANs
- Exposure to basic systems administration concepts, including logging, software upgrade procedures and high availability operations

Testing and Certification:

This course will help prepare learners prepare for Exam 740 Citrix WANScaler 4.2: Administration.

Content:

Provided is the topic outline for CTX-1741AI.

- Technical Overview
 - o Overview
 - o Product Overview
 - o Typical TCP Flow
 - o Typical TCP Flow over a WAN
 - o TCP Flow with WANScaler
 - o Autodiscovery
 - o Fair Queuing
 - o Multi-Level Compression
 - o CIFS Optimization
 - Planning a WANScaler Deployment
 - o Overview
 - o Network Architectural Overview
 - o Inline Mode
 - o Web Cache Communication Protocol (WCCP) Mode
 - o Virtual Inline Mode
 - o High Availability
 - o Group Mode
 - o Deployment Mode Guidelines
 - o Deployment Topologies

- ?? Updating a License
 - o User and Access Administration
- ?? Adding a New User
- ?? Configuring Authentication
 - o System Configuration
- ?? Setting the Date and Time
- ?? Saving or Restoring a Configuration
 - o Upgrading System Software
 - o Command Center
 - o System Status
 - o Logs, Alerts and Reports
- ?? Viewing WANScaler Log Events
- ?? Exporting WANScaler Log Events
- ?? Configuring Alert Settings
- ?? Monitoring Real-Time Traffic
- ?? Monitoring Active Connections
 - Performing Bandwidth Configuration
 - o Overview
 - o Bandwidth Management
- ?? Configuring the Usage Graph
 - o Hardboost and Softboost
 - o Full and Partial Bandwidth

- Performing Basic Troubleshooting
 - o Overview
 - o Troubleshooting Strategies
 - o Common Issues and Resolutions
- ?? Resolving Cabling, Duplex and Connection Issues
- ?? Resolving General Acceleration Failure Issues
- ?? Resolving Slow Acceleration Issues
- ?? Resolving CIFS Acceleration Issues
 - o SNMP
 - o SNMP Polling and Trapping
- ?? Configuring SNMP Access
- ?? Adding Trap Destinations
 - o Diagnostic Tools
- ?? Conducting a Bypass Card Test
- ?? Retrieving Core Files
- ?? Performing a Trace on a WANScaler Appliance
 - Installing and Configuring the WANScaler Client
 - o Overview
 - o WANScaler Client Solution
 - o Transparent and Redirector Modes

• Performing a Basic Installation		o Transparent Mode
o Overview	o Configuring Bandwidth Modes	o Redirector Mode
o Network Conditions	o Bandwidth Limits	o Acceleration Rules
o Installation	?? Setting the Bandwidth Limit	o WANScaler Client Installation
o IP Address Configuration	o Bandwidth Schedules	?? Customizing the .MSI File
?? Configuring IP Address Settings	?? Scheduling Bandwidth Limits	?? Installing the WANScaler Client
?? Accessing the Management Interface	o Additional Tuning Options	o Citrix Accelerator Manager
o Initial Configuration	?? Tuning CIFS Acceleration	?? Configuring the WANScaler Client
?? Configuring Interface Settings	?? Setting Window Scale Limits	• Installing and Configuring Branch Repeater Enterprise Edition
?? Enabling Additional Ports	?? Configuring Connection Timeouts	o Overview
?? Changing the Administrator Password	• Configuring Service Classes and Quality of Service	o Introduction to Citrix Branch Repeater Enterprise Edition
?? Configuring Initial Bandwidth Settings	o Service Classes	o Deployment Planning
o Mode-Specific Configurations	?? Creating a New Service Class	o Basic Installation
?? Configuring WCCP Mode	?? Configuring a Service Class Policy	o Management Tools
?? Configuring Virtual Inline Mode	o Quality of Service	o Windows Services and Components
?? Enabling Group Mode	?? Configuring QoS	o Maintenance
?? Configuring High Availability Mode	o Dynamic QoS for Citrix XenApp	o Monitoring, Logging and Reporting
• Administering and Monitoring	o QoS and Service Class Monitoring	o Basic Administration
o Overview	?? Monitoring Service Classes	o Basic Troubleshooting
o Licensing and Hardware	?? Monitoring QoS	

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

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