

**Module Title : CTX-272: Securing Citrix Virtualization Solutions**

**Duration : 2 days**

## Overview

Learn to secure your virtualization deployments with this two-day course that covers XenApp and XenDesktop. You'll learn how to secure XenApp and XenDesktop traffic, getting an understanding of when and where to secure traffic between XenApp and XenDesktop components, and advanced authentication implementations covering multifactor authentication, Smart Card, SAML, and FAS. Additionally, you'll explore, how to protect your applications against vulnerabilities, Citrix Cloud security leading practices as well as operating system hardening, hypervisor security, and monitoring and operations Citrix recommended practices.

## What you'll learn

- Learn how to secure Citrix traffic between components
- Understand Citrix authentication and authorization workflows with multifactor authentication
- Identify methods for desktop and application hardening with registry and policy lockdowns
- Learn to optimize monitoring and operations with Citrix leading security practices

## Prerequisite Knowledge

Citrix recommends students have basic understanding, and hands-on experience with installing and configuring XenApp and XenDesktop Recommended courses, or equivalent field experience, include knowledge of the topics covered in:

- CXD-210 XenApp and XenDesktop 7.1x Administration
- CXD-250 Moving to XenApp and XenDesktop Service on Citrix Cloud

## Course Outline

Module 1: Securing Traffic in a XenApp and XenDesktop Environment

- Secure Network Zones
- NetScaler Gateway
- StoreFront Security
- XML and STA Security
- TLS to VDA Encryption
- Supporting Infrastructure Security
- Citrix Cloud Security

## Module 2: Implementing Advanced Authentication Methods for XenApp and XenDesktop

- Windows Based Authentication
- Pass-through Authentication
- Multi-Factor Authentication
- Smart-card Authentication
- Federated Identify
- Citrix Cloud Authentication

## Module 3: Improving App and Data Security

- Secure Network Zones
- NetScaler Gateway
- StoreFront Security
- XML and STA Security
- TLS to VDA Encryption
- Supporting Infrastructure Security
- Citrix Cloud Security

## Module 4: Implementing XenApp/ XenDesktop Operating System Hardening

- GPOs and Citrix Policies
- Lockdowns and NetScaler SmartControl
- Registry Edits and Third-Party Tools
- Workspace Environment Manager
- Image Management

## Module 5: Hypervisor Security

- Delivery Controller to Hypervisor Connection
- Hypervisor Security Leading Practices
- XenServer Security

## Module 6: Monitoring and Operations

- Role Based Access Control
- Logging and Auditing
- Service Account Privileges
- Antivirus