

CTX-202: Citrix Platform Administration

Course Duration: 40 Hours

Course code: CTX-202

1. Course Overview

In this course you will learn how to create a new Citrix Virtual Apps and Desktops deployment. Get hands-on as the course guides you through the architecture, communications, management, installation, and configuration of Citrix Virtual Apps and Desktops to host apps and desktops for your users. This course is a necessary step in enabling you with the right training and skills, to not only understand, manage, and deliver successfully, but also to make well-informed planning decisions along the way

2. What you'll learn?

By the end of the course, you will be able to:

- Understand the architecture and communication flows for Citrix Virtual Apps and Desktops 2507 LTSR.
- Install, configure, and manage Citrix Virtual Apps and Desktops environments.
- Create Citrix Virtual Apps and Desktops workloads.
- Deliver single-session and multi-session resources to users.
- Prepares learner for Citrix Certified Associate - Virtualization (CCA-V) exam.

3. Target Audience

- Citrix Administrators
- System Administrators
- Infrastructure Engineers
- Desktop Support Engineers
- Technical Support Professionals
- Network Administrators
- Cloud Administrators

- IT Operations Professionals
- Virtualization Engineers
- IT Professionals preparing for Citrix administration roles

4. Pre-Requisites

Before taking this course, you should have:

- Strong foundational knowledge of:
- Windows Server and Desktop operating systems.
- Active Directory, Policies, Profiles, Networking and Hypervisors.

5. Course content

Module 1: Introduction to Citrix Virtual Apps and Desktops & Architecture

- Introduction to Citrix Virtual Apps and Desktops
- Citrix Virtual Apps and Desktops Lifecycle Overview
- Citrix Virtual Apps and Desktops 2507 LTSR Refresh – What’s New
- Overview of Citrix Virtual Apps and Desktops Components
- Features and Resource Capabilities of Citrix Virtual Apps and Desktops
- Hosting Platform Considerations: Layered Architecture
- Introduction to the Connection Flow Process

Module 2: Citrix Virtual Apps and Desktops Site Planning and Deployment

- Pre-Deployment Considerations
- Citrix Licensing Configuration and Setup
- Delivery Controller Installation and Configuration
- Citrix Virtual Apps and Desktops Site Setup
- High Availability and Redundancy Considerations

Module 3: Provisioning Workloads – VDA and Master Image Creation

- Master Image Creation Methods

- Master Image Requirements and Best Practices
- Optimizing VDAs Using Citrix Optimizer
- Introduction to Citrix Workspace Environment Management (WEM)

Module 4: Provisioning Workloads – VDA Deployment and Image Preparation

- Machine Catalogs and Delivery Groups
- Provisioning Methods and Deployment Considerations
- Machine Creation Services (MCS) – Deep Dive
- MCS Environment Design Considerations

Module 5: Providing Access to End Users

- StoreFront Architecture and Overview
- StoreFront Beacons Configuration
- Citrix Workspace App Deployment and Configuration
- StoreFront Features and Functionality

Module 6: Published Applications and Desktop Management

- Published Application Properties and Configuration
- Server OS Published Application Optimization
- Published Application Presentation Methods
- Application Groups Management
- Application and Desktop Delivery Management

Module 7: Managing and Optimizing User Experience

- Citrix Policies – Configuration and Management Methods
- Secure Default Settings for VDA Functionality
- Citrix HDX Features and Policy Implementation
- HDX Performance Optimization

Module 8: Printing for User Sessions

- Printing Concepts and Printer Provisioning
- Printer Driver Management
- Print Environment Design and Considerations

Module 9: User Profile Management

- User Profiles – Overview and Planning Considerations
- Configuring Citrix Profile Management
- Profile Containers and VHDX-Based Policy Management

Module 10: Site Administration and Management

- Delegated Administration
- Automating Administration Using PowerShell
- Power Management Strategies and Considerations
- Using Autoscale for Machine Power Optimization

Module 11: Citrix Virtual Apps and Desktops Security Fundamentals

- Citrix Administrative Security Considerations
- XML Service Security Configuration
- Securing External HDX Traffic

Module 12: Monitoring and Managing with Citrix Director

- Introduction to Citrix Director
- Monitoring and Managing User Sessions
- Published Applications Performance Analysis
- Monitoring VDA Machines
- Site-Specific Monitoring Best Practices
- Alerts and Notifications Configuration
- Enhancing Monitoring with Citrix Application Delivery Management (ADM)

Module 13: Supporting and Troubleshooting Citrix Virtual Apps and Desktops

- Introduction to Site Support and Troubleshooting
- Essential Citrix Administrative and Troubleshooting Tools
- Common Tasks for Proactive Administration
- Troubleshooting User Sessions and Connectivity Issues
- Performance Monitoring and Issue Resolution

