# Citrix Platform Administration

Course code: CTX-202

This course replaces the outdated CVAD-201.In this course you will learn how to create a new Citrix Virtual Apps and Desktops deployment.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.Product Versions Covered: Citrix Virtual Apps and Desktops 7 (2507 LTSR) for Citrix Private Cloud, Universal Hybrid Multi-Cloud, and Citrix Platform customers.

## Who is the course for

For administrators and engineers

## What we teach you

- 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.

## Required skills

Strong foundational knowledge of:

- Windows Server and Desktop operating systems.
- Active Directory, Policies, Profiles, Networking and Hypervisors.

## Course outline

### Module 1: Introduction to Citrix Virtual

- Apps and Desktops &Architecture
- Introduction to Citrix Virtual Apps and Desktops
- New Citrix Virtual Apps and Desktops Lifecycle
- Citrix Virtual Apps and Desktops 2507 LTSR

Refresh – What's New

- Overview of Citrix Virtual Apps and Desktops Components
- Citrix Virtual Apps and Desktops Features and Resource Capabilities
- Hosting Platform Considerations:

Architecture By Layers

- Connection Flow Process Introduction

### Module 2: Citrix Virtual Apps and Desktops Site Considerations

- Pre-Deployment Considerations
- Citrix Licensing Setup
- Delivery Controller Setup
- Citrix Virtual Apps and Desktops Site Setup
- Redundancy Considerations

### Module 3: Provisioning Workloads: VDA and Master Images

- Master Image Creation Methods
- Master Image Requirements
- Optimizing VDAs – Citrix Optimizer
- Citrix Workspace Environment Management Overview

### Module 4: Provisioning Workloads: VDA and Master Image Prep

- Machine Catalogs and Delivery Groups
- Provisioning Methods and Considerations

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- Machine Creation Services – Deep Dive
- MCS Environment Considerations

**Module 5: – Providing Access to End Users**

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

**Module 6: Published App and Desktop Presentation and Management**

- Published App Properties
- Server OS Published App Optimizations
- Published App Presentation
- Application Groups
- Apps and Desktops Presentation

**Module 7: Managing the User Experience**

- Citrix Policies – Methods to Manage Policies
- New Secure Defaults for VDA functionality
- Citrix HDX Features – Using Policies
- HDX Optimization

**Module 8: Printing for User Sessions**

- Printing Concepts and Printer Provisioning
- Printer Drivers
- Print Environment - Considerations

**Module 9: Profile Management**

- User Profiles – Introduction and Considerations
- Configuring Citrix Profile Management
- Profile Containers – VHDX-based Policies

**Module 10: Manage the Site**

- Delegated Administration
- Use PowerShell with Citrix Virtual Apps and Desktops
- Power Management Considerations
- Using Autoscale to Power Manage Machine

**Module 11: Citrix Virtual Apps and Desktops Basic Security Considerations**

- Citrix Admin Security Considerations
- XML Service Security Considerations
- Secure HDX External Traffic

**Module 12: Manage Citrix Virtual Apps and Desktops with Director**

- Citrix Director Introduction
- Monitor and Interact with User Sessions
- Published Apps Analysis
- Monitor the Machines Running the VDA
- Site Specific Common Monitoring
- Alerts and Notifications
- Optimize Citrix Director Monitoring with Citrix Application Delivery Management

**Module 13: Manage - Supporting and Troubleshooting Citrix Virtual Apps and Desktops Workloads**

- Introduction to Supporting a Citrix Virtual Apps and Desktops Site
- A List of Common Tools

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- Common Tasks for Proactive Administration

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