



Citrix Virtual Apps, Desktops and Provisioning 7 Administration (Fast Track)

Certification: CCA-V | **Course Length:** 5 Days | **Instructional Method:** Classroom or Virtual w/ hands-on labs

Course overview

This fast-paced administration course covers the major aspects of installing, configuring and managing a highly available Citrix Virtual Apps and Desktops 7 environment as well as a full Citrix Provisioning 7 environment for image management. Gain an understanding of the solution architecture and communications, and the factors that contribute to a successful deployment. This accelerated 5-day course will teach you how to

deploy and deliver apps and desktops (MCS and PVS); install and configure StoreFront and Citrix Receiver; set up profile management; and configure policies, printing and basic security features. Also learn how to monitor and troubleshoot the environment with Citrix Director.

What you'll learn

- Gain foundational knowledge of Citrix Virtual Apps and Desktops required to be successful with the platform
- How to install, configure, and manage a highly available Citrix Virtual Apps and Desktops site
- How to deploy and deliver apps and desktops to end users using both Machine Creation Services (MCS) and Provisioning Services (PVS) on Windows 10 and Windows Server 2016
- How to manage the end-user experience through policies and settings including profiles and printing



Versions covered

This course is currently based on Citrix Virtual Apps and Desktops 7.15.



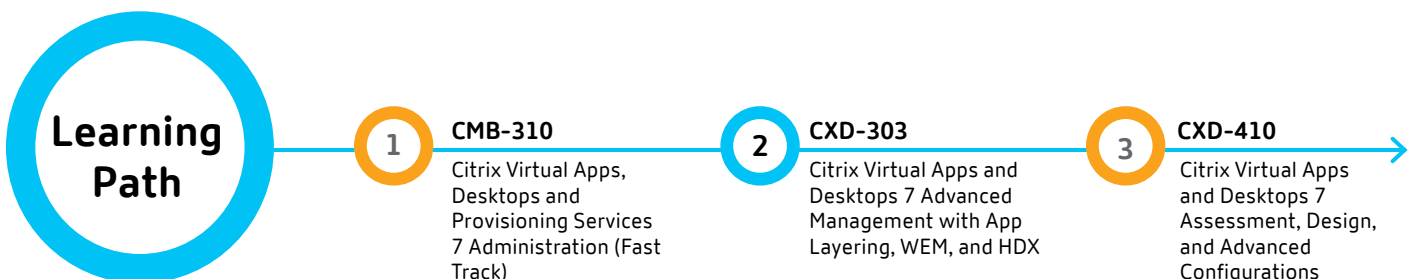
Prereq. knowledge

This course is taught at a much faster pace and experience with previous versions is recommended. Previous knowledge of legacy versions of Citrix Virtual Apps or Citrix Virtual Desktops is also beneficial due to the faster pace of this course.



Is this course for me?

It is an appropriate starting point or a refresher on version 7 for administrators, engineers, and architects. For a less intensive training yet thorough training, Citrix recommends starting with the CXD-210 Citrix Virtual Apps and Desktops 7 Administration course.



Citrix Virtual Apps, Desktops and Provisioning 7 Administration (Fast Track)

Module 1: Architecture Overview

- Architecture
- FlexCast models (use cases)
- Layered approach methodology
- Connection flow process
- Hosting platform considerations

Module 2: Initial Requirements and Lab

- Supporting infrastructure requirements
- Supporting infrastructure licensing considerations
- Preparing for Windows 10 and Server 2016 with AppDNA
- Lab environment

Module 3: Installing and Configuring a Citrix Virtual Apps and Desktops Site

- Licensing considerations
- Installation and management
- Basic license server troubleshooting
- Delivery Controller role
- The Citrix Virtual Apps and Desktops Site
- Databases and the Local Host Cache (LHC)

Module 4: Provision and Deliver Application and Desktop Resources

- The Virtual Delivery Agent
- Machine Catalogs and Delivery Groups
- Provisioning methods and considerations
- Provisioning methods: Machine Creation Services (MCS) in depth
- MCS environment considerations

Module 5: Providing Access with Citrix StoreFront and Receiver

- StoreFront installation and architecture
- StoreFront authentication services
- Self Service Password Reset

- Citrix Receiver
- Receiver configurations

Module 6: Understanding and Configuring Citrix Policies

- Policies introduction
- Policies for session management

Module 7: Application Presentation and Management

- Application properties
- File-type association
- Workspace Control
- Shortcut placement
- Session Prelaunch and Session Lingering
- Application groups

Module 8: Printing with Citrix Virtual Apps and Desktops

- Printing introduction
- Print job routing
- Printer driver management
- Citrix Universal Print Driver and Server

Module 9: Citrix Profile Management

- User profiles
- Configuring Citrix Profile management

Module 10: Managing the Citrix Virtual Apps and Desktops Site

- Delegated administration
- Logging and reporting
- Introduction to Zones
- Introduction to PowerShell
- Reboot schedules for the Server VDA

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Module 11: Citrix Virtual Apps and Desktops Site Redundancy

- Component failure review
- Methods of redundancy
- Configuring site and access infrastructure redundancy

Module 12: Monitoring The Citrix Virtual Apps and Desktops Site

- Citrix administrator introduction to security considerations
- Certificate authority
- XML service security
- External HDX connection security with Citrix Gateway

Module 13: Installing and Configuring a Citrix Virtual Apps and Desktops Site

- Introduction to Citrix Director
- Navigating Director
- Trends and reports
- Alerts and notifications
- Monitoring sessions
- Interacting with sessions
- Network monitoring with HDX Insight

Module 14: Introduction to Supporting and Troubleshooting Citrix Virtual Apps and Desktops

- Introduction to supporting Citrix Virtual Apps and Desktops Site
- Known issue awareness
- Citrix Virtual Apps and Desktops Hotfixes and the Long Term Service Release
- Common Troubleshooting Tools

Module 15: Advanced Provisioning with Provisioning Services

- Getting started with Provisioning Services
- Provisioning Services Architecture

Module 16: Provisioning Services Infrastructure

- The PVS server role
- The Farm database
- The vDisk Store

Module 17: Streaming the vDisk

- Introduction to vDisks
- Machine preparation
- Streaming vDisks
- Boot methods

Module 18: Target Devices

- Introduction to target devices
- Data I/O
- Handling persistent and non-persistent data

Module 19: Integrating Provisioning Services with Citrix Virtual Apps and Desktops

- Citrix Virtual Apps and Desktops Setup Wizard
- Device Collections
- Published Apps and Desktops
- Using Provisioning Services with Citrix Virtual Apps and Desktops

Module 20: Provisioning Services Redundancy

- Farm component redundancy
- Store redundancy
- Database redundancy

Module 21: Supporting Provisioning Services

- Performing updates
- Auditing and support
- vDisk imaging
- Migrating vDisk images
- Troubleshooting