

# CWS-215: Citrix Virtual Apps and Desktops 7 Deployment and Administration



5-day ILT/vILT, an On-Demand

Includes labs



Citrix Virtual Apps and Desktops 7 Administration



For administrators and engineers

## Description

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. And it will also introduce you to Citrix Cloud and Citrix DaaS to become familiar with these products.

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 2203 LTSR, Citrix DaaS

## Learning Objectives

- Understand the differences between Citrix Virtual Apps and Desktops 2203 LTSR on-premises.
- Install, configure, and manage Citrix Virtual Apps and Desktops environment.
- Create Citrix Virtual Apps and Desktops workloads.
- Deliver app and desktop resources to users.
- Introduce Citrix Cloud and Citrix DaaS.

## Prerequisite Knowledge

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

## Recommended Next Training

CWS-250: Citrix DaaS Deployment and Administration

OR

CWS-251: Implement Citrix DaaS on Microsoft Azure

# Course Outline

## Module 1: Introduction to Citrix Virtual Apps and Desktops

- New Citrix Workspace Packaging
- Introduction to Citrix Virtual Apps and Desktops
- Citrix Virtual Apps and Desktops 2203 LTSR Refresh – What’s New
- End-User and Admin Experience

## Module 2: Planning – Architecture Overview

- Overview of Citrix Virtual Apps and Desktops Components
- Citrix Virtual Apps and Desktops Features and Resource Capabilities
- Hosting Platform Considerations
- Connection Flow Process Introduction

## Module 3: Planning - 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 4: Planning – Provisioning Workloads: VDA and Master Image Prep

- Master Image Creation Methods
- Master Image Requirements

## Module 5: Planning – Provisioning Workloads: VDA and Master Image Prep

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

## Module 6: Planning – Providing Access to End Users

- StoreFront Overview
- StoreFront Beacons
- Citrix Workspace app
- StoreFront Features

## Module 7: Planning – Managing the User Experience

- Citrix Policies – Methods to Manage Policies
- Citrix HDX Features – Using Policies

## Module 8: Planning - 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 9: Planning – Printing for User Sessions

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

## Module 10: Planning – Profile Management

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

## **Module 11: Planning – Manage the Site**

- Delegated Administration
- Use PowerShell with Citrix Virtual Apps and Desktops
- Power Management Considerations

## **Module 12: Planning - Citrix Virtual Apps and Desktops Basic Security Considerations**

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

## **Module 13: Rollout - Citrix Workspace app Deployment and Configuration**

- Citrix Workspace Deployment and Configuration

## **Module 14: Manage Citrix Virtual Apps and Desktops Deployment**

- 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
- Citrix Analytics Introduction
- Prepare to use Citrix Analytics
- Types of Analytics

## **Module 15: 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
- Common Tasks for Proactive Administration

## **Module 16: Optimize – Citrix Virtual Apps and Desktops Deployment**

- Optimizing VDAs – Citrix Optimizer
- Citrix Workspace Environment Management Overview
- HDX Optimization

## **Module 17: Introduction to Citrix Cloud with Citrix DaaS**

- What is Citrix Cloud?
- Why Citrix DaaS?
- Migration from Citrix Virtual Apps and Desktops to Citrix DaaS
- Citrix Cloud Administration