

**Module Title** : **CWS-215-Citrix Virtual Apps and Desktops 7 Administration On-Premises and in Citrix Cloud**  
**Duration** : **5 days**

## Overview

If you are new to Citrix or if you are planning a move to Citrix Cloud, this course is a necessary step in enabling you with the right training and skills to manage and deploy Citrix Workspace successfully.

This foundational administration course covers the aspects of installing, configuring and managing a Citrix Virtual Apps and Desktops 7 environment, how to manage an on-premises Citrix solution and migrate from an on-premises solution to cloud using the Citrix Cloud management plane.

This five-day course will teach you how to deploy, install, configure, setup profile management, configure policies, printing and basic security features for on-premises Virtual Apps and Desktop solution building, and then migrating to Citrix Cloud.

## What You'll Learn

- Gain foundational knowledge of Citrix Virtual Apps and Desktops 7
- How to install, configure, and manage a Citrix Virtual Apps and Desktops 7 site and Cloud connectors
- Identify the considerations between Citrix Virtual Apps and Desktops on-premises and the Citrix Virtual Apps and Desktops Service
- How to deliver app and desktop resources

## Prerequisite

This course requires basic knowledge of AD, Windows, Storage, Networking and little to no previous experience with the Citrix Virtual Apps and Desktops 7 version; however, Citrix recommends completing the free Citrix Virtual Apps and Desktops 7 Introduction bundle at [elearning.citrix.com](http://elearning.citrix.com).

## Is this course for me?

Built for experienced IT Professionals who want to be familiar with Citrix Virtual Apps and Desktops 7 in an on-premises environment and Citrix Cloud. Potential students include administrators or engineers responsible for the end user workspace and overall health and performance of the solution.

## Course Outline

### Module 1: Architecture Overview

- Introduction to Citrix Virtual Apps and Desktops
- Architecture Overview
- Features
- Hosting Platform Considerations
- Citrix Virtual Apps and Desktops Service
- Connection Flow Process Introduction

### Module 2: Deploy the Site

- Pre-Deployment Considerations
- Citrix Licensing Setup
- Delivery Controller Setup
- Site Setup And Management
- Redundancy Considerations

### Module 3: The Apps and Desktops Images

- Consider Master Image Creation Methods
- Master Image Requirements

### Module 4: Provision and Deliver App and Desktop Resources

- Machine Catalogs and Delivery Groups
- Provisioning Methods and Considerations
- Machine Creation Services (MCS) Deep Dive
- MCS Environment Considerations
- Resource Locations

### Module 5: Provide Access to App and Desktop Resources

- Consider Workspace Experience versus StoreFront
- Workspace Experience User Authentication
- Workspace App
- Communication Flow

### Module 6: Manage the User Experience

- Methods to Manage the User Experience
- Common User Experience Settings

### Module 7: 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 8: Manage Printing for User Sessions**

- Map Printers to the User Session
- Printer Drivers
- Print Environment Considerations

#### **Module 9: Citrix Profile Management**

- Introduction and Considerations
- Configure Citrix Profile Management

#### **Module 10: Manage the Site**

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

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

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

#### **Module 12: Monitor the Site**

- 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 ADM

#### **Module 13: Introduction to Supporting and Troubleshooting Citrix Virtual Apps and Desktops**

- Introduction to Supporting a Citrix Virtual Apps and Desktops Site
- Tools
- Proactive Administration Common Tasks

#### **Module 14: Migrate To Citrix Cloud**

- Migration Considerations
- Citrix Cloud Connector Deployment
- Citrix Virtual Apps and Desktops with an On-Premises Resource Location

- The Migration Process

**Module 15: Citrix Analytics**

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