

# CXD-252 Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud with Microsoft Azure

## Overview

---

Navigate the move from an on-premises environment into Citrix Cloud and learn to deploy resource locations onto Microsoft Azure. Learn the architecture, communications, and management of Citrix Cloud and the Citrix Virtual Apps and Desktops Service and then migrate existing infrastructure and settings into Citrix Cloud. If you are planning a move to Citrix Cloud or starting out anew, this course is a necessary step in enabling you with the right training and skills to understand, manage, and deliver successfully. Plan machine catalog and virtual machine design based in Microsoft's public cloud and deploy those machines using Machine Creation Services. Learn to configure the access layer as a service within Citrix Cloud, as managed machines in your datacenter, or on the Azure platform. This course includes a voucher to take the related exam (XenApp and XenDesktop Service on Citrix Cloud Assessment) and earn your XenApp and XenDesktop Service on Citrix Cloud Certified (CC-XAD-CC) certification.

## Prerequisite Comments

---

Experience deploying and managing Citrix Virtual Apps and Desktops 7.1x in on-premises environment. Basic knowledge of the Microsoft Azure platform including: Virtual machine management, Storage, Azure Resource, Manager portals, and Networking

## Target Audience

---

Developed for experienced IT Professionals familiar with Citrix Virtual Apps and Desktops 7.1x in an on-premises environment moving to the Citrix Cloud and deploying their Citrix Virtual Apps and Desktops workloads on Microsoft Azure.

## Course Objectives

---

Understand the differences between Citrix Virtual Apps and Desktops on-premises and the Citrix Virtual Apps and Desktops Service  
How to install, configure, and manage Citrix Cloud Connectors  
Deploy and manage Virtual Delivery Agent machines to on-premises resource locations as well as in Microsoft Azure using MCS  
Integrate Citrix Cloud and Citrix Virtual Apps and Desktops with Microsoft Azure Active Directory

## Course Outline

---

### 1 - Introduction to Citrix Cloud

What is Citrix Cloud  
Citrix Cloud Services  
Citrix Cloud Operation and Architecture  
Citrix Cloud Administration

## 2 - Citrix Cloud Connectors

Cloud Connector Architecture  
Installing and configuring Citrix Cloud Connectors  
Securing Citrix Cloud Connectors  
Citrix Cloud with Multiple Domains

## 3 - Introduction to the Citrix Virtual Apps and Desktops Service

Citrix Virtual Apps and Desktops Deployment Models  
Citrix Virtual Apps and Desktops Service with On-Premises Resources  
Configuring the Citrix Virtual Apps and Desktops Service  
Delivering Apps and Desktop to End-Users Using On-Premises Resources with MCS

## 4 - Managing the Citrix Virtual Apps and Desktops Service

Citrix Studio and Director  
Citrix Virtual Apps and Desktops Remote PowerShell SDK  
Managing Multiple Resource Locations  
Using PVS with the Citrix Virtual Apps and Desktops Services

## 5 - Providing Access in Citrix Cloud

Selecting Between Workspace Experience and On-premises StoreFront  
Consideration for Citrix ADC Gateway Locations  
User Authentication

## 6 - Operations and Support in Citrix Cloud

Citrix Smart Tools  
Cloud Connector Operations  
Monitoring your Environment

## 7 - Public Cloud Considerations

General Public Cloud Considerations  
Microsoft Azure as a Citrix Cloud Resource Location (Lecture only)  
Amazon Web Services as a Citrix Cloud Resource Location (Lecture only)

## 8 - On-Premises Migration to the Citrix Virtual Apps and Desktops Service

Citrix Cloud Migration Options and Considerations Migrating Machine Catalogs and Delivery Groups Migrating Policies and Settings  
Considerations for Migrating to a Public Cloud

## 9 - Citrix Virtual Apps and Desktops on Azure Overview

Defining IAAS  
Citrix Virtual Apps and Desktops Azure Deployment Models  
Azure Fundamentals Review  
Azure Management  
Azure Locations

## 10 - Citrix Virtual Apps and Desktops Integration with Azure Active Directory

Active Directory Basics  
Active Directory Usage  
Connecting On-premises Active Directory to Azure  
Azure Role Based Access Control  
Azure Locations

## 11 - Connecting to Microsoft Azure

Azure Connectivity  
Cloud Connectors in Azure  
Creating Citrix Virtual Apps and Desktops Host Connections to Azure

## 12 - Deploying Apps and Desktops using Machine Creation Services

Master Image Preparation  
Machine Creation Services in Azure  
Considerations for Deploying onto Azure

## 13 - Providing Access to End Users

StoreFront Locations  
Citrix ADC Locations  
Multiple Citrix Virtual Apps and Desktops Zones in Azure Regions

## 14 - Maintaining Infrastructure and VDAs in Microsoft Azure

Maintaining Infrastructure  
Maintaining Resources  
Power Management

## 15 - Plan for a Successful POC

Planning your next steps

---