

---

## CXD-251 Citrix Virtual Apps and Desktops Service on Microsoft Azure

### Overview

---

Students learn to deploy and manage the Citrix Virtual Apps and Desktops apps and desktops in Microsoft Azure. Students gain the skills to plan the machine catalog and virtual machine design based in Microsoft's public cloud and get hands-on practice deploying those machines using Machine Creation Services. Students will also learn about additional Azure considerations including maintenance and power management which are critical in a cloud environment. For remote access, students will learn to configure Citrix StoreFront and Citrix Gateway on the Azure platform. This course focuses on Microsoft Azure as a Citrix Cloud resource location however concepts are relevant to both Citrix Cloud and fully managed Citrix Virtual Apps and Desktops sites.

### 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

---

Develop for experienced IT Professionals familiar with Citrix Virtual Apps and Desktops 7.1x in an on-premises environment. Potential students include administrators, engineers, and architects designing or deploying Citrix Virtual Apps and Desktops workloads on Microsoft Azure.

### Course Objectives

---

Prepare the Azure environment for secure integration with Citrix Virtual Apps and Desktops  
Deploy and manage Virtual Delivery Agent machines in Microsoft Azure using Machine Creation Services  
Integrate Citrix Cloud and Citrix Virtual Apps and Desktops with Microsoft Azure Active Directory  
Design Machine Catalogs and virtual machines on Microsoft Azure Resource Manager  
Provide remote access with Citrix StoreFront and Citrix Gateway on Microsoft Azure

### Course Outline

---

#### 1 - 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

## 2 - 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

## 3 - Connecting to Microsoft Azure

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

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

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

## 5 - Providing Access to End Users

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

## 6 - Maintaining Infrastructure and VDAs in Microsoft Azure

Maintaining Infrastructure  
Maintaining Resources  
Power Management

## 7 - Plan for a Successful POC

Planning your next steps

## Related Courses, Certifications, Exams

---

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