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

Duration: 5 Days

Prerequisites:

Recommended:

It is also recommended that students have basic knowledge of the Microsoft Azure platform including: - Virtual machine management, Networking, Storage, Azure Resource Manager portals.

Required:

Before taking this course, students have experience deploying and managing Citrix Virtual Apps and Desktops 7 in on-premises environment.

Course Description:

Effectively manage the movement from an on-premises environment into Citrix Cloud and deploy resource locations onto Microsoft Azure! The five-day course develops your understanding of architecture, communications, management of Citrix Cloud, and the Citrix Virtual Apps and Desktops Service. Migrate existing infrastructure and settings into Citrix Cloud. Plan a machine catalog and virtual machine design based in Microsoft's public cloud for deploying them using Machine Creation Services. You also learn to configure the access layer as a service within Citrix Cloud or on the Azure platform. The CXD-252 is one of the Citrix-recommended training for earning the Citrix Virtual Apps and Desktops Service on Citrix Cloud (CC-VAD-CC) and Citrix Virtual Apps and Desktops Service Integration with Microsoft Azure (CC-VAD-MA) certifications.

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 Outlines

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 OnPremises Resources
  - Configuring the Citrix Virtual Apps and Desktops Service
  - Delivering Apps and Desktop to EndUsers Using OnPremises 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 Onpremises StoreFront
  - Consideration for NetScaler 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) OnPremises 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 Onpremises 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