Citrix Virtual Apps and Desktops 7, App Layering, and WEM Administration (Fast-Track)

Duration: 5 Days   Course Code: CMB-318

Overview:

This accelerated 5-day course is designed for experienced IT professionals to build the foundational administration aspects of installing, configuring and managing a Citrix Virtual Apps and Desktops 7 environment.Learn about configuring policies, printing and basic security features as well as more advanced topics including Windows Environment Management (WEM) and App Layering.Gain an understanding of the solution architecture and communications, and the factors that contribute to a successful deployment. Monitoring and troubleshooting the environment with Citrix Director and Citrix Analytics is also incorporated in this course.

This course is currently on Citrix Virtual Apps and Desktop 7.19

Target Audience:

Built for experienced IT Professionals new to Citrix Virtual Apps and Desktops 7 in an on-prem or Citrix Cloud environment looking to gain as much information as possible in the 5-day course. In this course, you will learn the considerations and how-to setup a new Citrix Virtual Apps and Desktop site including advanced topics as WEM and App Layering allowing fast-track preparation for the CCP-V certification.

Objectives:

- **After completing this course you should be able to:**

- Install, configure and manage a Citrix Virtual Apps and Desktops 7 site on-premises and on Citrix Cloud including how to migrate from on-premises to Citrix Cloud

- Configure Workspace Environment Management to improve the end user environment and virtual resource consumption

- Use App Layering skills to create and administer OS, platform, application, elastic and user layers

- Deploy and deliver apps and desktops to end users using Machine Creation Services (MCS)

Prerequisites:

Attendees should meet the following prerqusites:

- Experience with previous versions of Citrix Virtual Apps or Citrix Virtual Desktops is beneficial due to the faster pace of this course.

Testing and Certification

Recommended as preparation for the following exams:

- 1Y0-203 - Citrix XenApp and XenDesktop 7.15 Administration required for CCA-V Associate level Virtualization Certification
- 1Y0-311 - Citrix XenApp and XenDesktop 7.15 Advanced Administration required for CCP-V Professional Level Virtualization Certification

Please note attendance of the CWS-313 - Citrix Virtual Apps and Desktops 7 Backup, Recovery, Security and Troubleshooting is recommended before attempting the **1Y0-311** exam.

The Citrix Certified Associate - Virtualization (CCA - V) validates the skills IT operators and administrators need to install, configure and manage a highly available environment comprised of Citrix Virtual Apps and Desktops Delivery Controllers, StoreFront, Citrix Receiver, Director, Studio and Profile management.

The Citrix Certified Professional - Virtualization (CCP - V) validates the skills experienced IT solution builders, such as engineers and consultants, need to manage and support complex environments based on Citrix Virtual Apps and Desktops with Provisioning Services.

Follow-on-Courses:

The following courses are recommended for further study:

- ■ **CXD-252** - Moving to the Citrix Virtual Apps and Desktops Service on Citrix Cloud with Microsoft Azure
- ■ **CWS-313** - Citrix Virtual Apps and Desktops 7 Backup, Recovery, Security and Troubleshooting
- ■ **CXD-410** - Citrix Virtual Apps and Desktops 7. Assessment, Design and Advanced Configuration

Content:

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

Deploy the Site

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

The Apps and Desktops Images

- Consider Master Image Creation Methods
- Master Image Requirements

Provision and Deliver App and Desktop Resources

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

Provide Access to App and Desktop Resources

- Consider Workspace Experience versus StoreFront
- Workspace App

Manage the User Experience

- Methods to Manage the User Experience

Published App and Desktop Presentation and Management

- Published App Properties
- Server OS Published App Optimizations
- Published App Presentation
- Application Groups
- Apps and Desktops Presentation

Manage Printing for User Sessions

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

Citrix Profile Management

- Introduction and Considerations
- Configure Citrix Profile Management

Manage the Site

- Delegated Administration
- Power Management Considerations

Citrix Virtual Apps and Desktops Basic Security Considerations

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

Monitor the Site

- Citrix Director Introduction
- Monitor and Interact with User Sessions
- Published Apps Analysis
- Monitor the Machines Running the VDA
- Alerts and Notifications

Introduction to Supporting and Troubleshooting Citrix Virtual Apps and Desktops

- Introduction to Supporting a Citrix Virtual Apps and Desktops Site
- Tools

Migrate to Citrix Cloud

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

Citrix Analytics

- Citrix Analytics Introduction
- Types of Analytics

Introduction to App Layering

- App Layering Introduction
- Architecture and How it Works

Create an OS Layer

- The OS Layer

Create a Platform Layer

- The Platform Layer

Create App Layers

- The App Layers

Create Elastic App and User Layers

- Elastic App Layering
- User Layers

Deploy a Layered Image using Citrix Virtual Apps and Desktops

- Using Templates in App Layering
- Using Layered Images in a Citrix Virtual Apps and Desktops Site

Explore Layer Priority and Maintain an App Layering Environment

- Layer Priority
- Updating Layers
- Maintaining and Updating the App Layering Environment
- Common App Layering Considerations and Additional Resources

Introduction to Workspace Environment Management (WEM)

- Workspace Environment Management (WEM) Introduction
- WEM Administration

Use WEM to Centralize Environment Management

- Managing User Resources with WEM
- Managing Profiles with WEM
- Managing Endpoints with the WEM Transformer Feature

Use WEM for Performance Optimization

- Learning Objectives
- Optimizing Machine Performance with WEM
- Optimizing User Experience with WEM

Use WEM to Secure Environments

- Use WEM to Secure Environments
- WEM Security Features

Migrate and Upgrade WEM

- Migrating to WEM
- Upgrading a WEM Deployment
- WEM Multi-Location Considerations

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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