ProTech Professional Technical Services, Inc.

CMB-318 Citrix Virtual Apps and Desktops 7, App Layering, and WEM Administration (Fast-Track)

Course Summary

Description

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. 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

By the end of this course, students will 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

Topics

- Architecture Overview
- Deploy the Site
- The Apps and Desktops Images
- Provision and Deliver App and Desktop Resources
- Provide Access to App and Desktop Resources
- Manage the User Experience
- Published App and Desktop Presentation and Management
- Manage Printing for User Sessions
- Citrix Profile Management
- Manage the Site
- Citrix Virtual Apps and Desktops Basic Security Considerations
- Monitor the Site
- Introduction to Supporting and Troubleshooting Citrix Virtual Apps and Desktops

- Migrate to Citrix Cloud
- Citrix Analytics
- Introduction to App Layering
- Create an OS Layer
- Create a Platform Layer
- Create App Layers
- Create Elastic App and User Layers
- Deploy a Layered Image using Citrix Virtual Apps and Desktops
- Explore Layer Priority and Maintain an App Layering Environment
- Introduction to Workspace Environment Management (WEM)
- Use WEM to Centralize Environment Management
- Use WEM for Performance Optimization
- Use WEM to Secure Environments
- Migrate and Upgrade WEM

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Course Summary (cont.)

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.

Prerequisite

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

Duration

Five Days

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Course Outline

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I. Architecture Overview
A. Introduction to Citrix Virtual Apps and Desktops
B. Architecture Overview
C. Features
D. Hosting Platform Considerations
E. Citrix Virtual Apps and Desktops Service
F. Connection Flow Process Introduction

II. Deploy the Site
A. Pre-Deployment Considerations
B. Citrix Licensing Setup
C. Delivery Controller Setup
D. Site Setup and Management
E. Redundancy Considerations

III. The Apps and Desktops Images
A. Consider Master Image Creation Methods
B. Master Image Requirements

IV. Provision and Deliver App and Desktop Resources
A. Learning Objectives
B. Machine Catalogs and Delivery Groups
C. Provisioning Methods and Considerations
D. Machine Creation Services (MCS) Deep Dive
E. MCS Environment Considerations
F. Resource Locations

V. Provide Access to App and Desktop Resources
A. Consider Workspace Experience versus StoreFront
B. Workspace App

VI. Manage the User Experience
A. Methods to Manage the User Experience

VII. Published App and Desktop Presentation and Management
A. Published App Properties
B. Server OS Published App Optimizations
C. Published App Presentation
D. Application Groups
E. Apps and Desktops Presentation

VIII. Manage Printing for User Sessions
A. Map Printers to the User Session
B. Printer Drivers
C. Print Environment Considerations

IX. Citrix Profile Management
A. Introduction and Considerations
B. Configure Citrix Profile Management

X. Manage the Site
A. Delegated Administration
B. Power Management Considerations

XI. Citrix Virtual Apps and Desktops Basic Security Considerations
A. Citrix Admin Security Considerations
B. XML Service Security Considerations
C. Secure HDX External Traffic

XII. Monitor the Site
A. Citrix Director Introduction
B. Monitor and Interact with User Sessions
C. Published Apps Analysis
D. Monitor the Machines Running the VDA
E. Alerts and Notifications

XIII. Introduction to Supporting and Troubleshooting Citrix Virtual Apps and Desktops
A. Introduction to Supporting a Citrix Virtual Apps and Desktops Site
B. Tools

Course Outline (Course Outline (cont.))

XIV. *Migrate to Citrix Cloud*
- A. Migration Considerations
- B. Citrix Cloud Connector Deployment
- C. Citrix Virtual Apps and Desktops with an On-Premises Resource Location
- D. The Migration Process

XV. *Citrix Analytics*
- A. Citrix Analytics Introduction
- B. Types of Analytics

XVI. *Introduction to App Layering*
- A. App Layering Introduction
- B. Architecture and How it Works

XVII. *Create an OS Layer*
- A. The OS Layer

XVIII. *Create a Platform Layer*
- A. The Platform Layer

XIX. *Create App Layers*
- A. The App Layers

XX. *Create Elastic App and User Layers*
- A. Elastic App Layering
- B. User Layers

XXI. *Deploy a Layered Image using Citrix Virtual Apps and Desktops*
- A. Using Templates in App Layering
- B. Using Layered Images in a Citrix Virtual Apps and Desktops Site

XXII. *Explore Layer Priority and Maintain an App Layering Environment*
- A. Layer Priority
- B. Updating Layers
- C. Maintaining and Updating the App Layering Environment
- D. Common App Layering Considerations and Additional Resources

XXIII. *Introduction to Workspace Environment Management (WEM)*
- A. Workspace Environment Management (WEM) Introduction
- B. WEM Administration

XXIV. *Use WEM to Centralize Environment Management*
- A. Managing User Resources with WEM
- B. Managing Profiles with WEM
- C. Managing Endpoints with the WEM Transformer Feature

XXV. *Use WEM for Performance Optimization*
- A. Learning Objectives
- B. Optimizing Machine Performance with WEM
- C. Optimizing User Experience with WEM

XXVI. *Use WEM to Secure Environments*
- A. Use WEM to Secure Environments
- B. WEM Security Features

XXVII. *Migrate and Upgrade WEM*
- A. Migrating to WEM
- B. Upgrading a WEM Deployment
- C. WEM Multi-Location Considerations