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Learning Style: Virtual Classroom

Technology: Citrix

Difficulty: Intermediate

Course Duration: 5 Days

Citrix Virtual Apps and Desktops Administration (LTSR 2402)



About this Course:

The Citrix Virtual Apps and Desktops Administration (LTSR 2402) course is designed to provide participants with the knowledge and skills needed to deploy, configure, and manage Citrix Virtual Apps and Desktops environments. This course

covers the architecture, communication flows, management, installation, and configuration of Citrix Virtual Apps and Desktops to host applications and desktops for users.

Course Objectives:

- Understand the architecture and communication flows for Citrix Virtual Apps and Desktops 2402 LTSR on-premises.
- Install, configure, and manage Citrix Virtual Apps and Desktops environments.
- Create and manage Citrix Virtual Apps and Desktops workloads.
- Deliver application and desktop resources to users.
- Prepare for the Citrix Certified Associate - Virtualization (CCA-V) exam.

Audience:

- IT professionals responsible for managing Citrix Virtual Apps and Desktops environments.
- System administrators and engineers.
- Network administrators.
- Anyone preparing for the Citrix Certified Associate - Virtualization (CCA-V) certification.

Prerequisites:

Participants should have a strong foundational knowledge of:

- Windows Server and Desktop operating systems.
- Active Directory, Policies, and Profiles.
- Networking concepts and Hypervisors.

Course Outline:

Module 1: Introduction to Citrix Virtual Apps and Desktops & Architecture

- Introduction to Citrix Virtual Apps and Desktops
- Citrix Virtual Apps and Desktops 2402 LTSR Refresh - What's New
- Overview of Citrix Virtual Apps and Desktops Components
- Citrix Virtual Apps and Desktops Features and Resource Capabilities
- Hosting Platform Considerations: Architecture By Layers
- Connection Flow Process Introduction

Module 2: Citrix Virtual Apps and Desktops Site Considerations

- Pre-Deployment Considerations
- Citrix Licensing Setup
- Delivery Controller Setup
- Citrix Virtual Apps and Desktops Site Setup
- Redundancy Considerations

Module 3: Provisioning Workloads: VDA and Master Images

- Master Image Creation Methods
- Master Image Requirements

Module 4: Provisioning Workloads: VDA and Master Image Prep

- Machine Catalogs and Delivery Groups
- Provisioning Methods and Considerations
- Machine Creation Services - Deep Dive
- MCS Environment Considerations

Module 5: - Providing Access to End Users

- StoreFront Overview
- StoreFront Beacons
- Citrix Workspace app
- StoreFront Features

Module 6: Managing the User Experience

- Citrix Policies - Methods to Manage Policies
- Citrix HDX Features - Using Policies

Module 7: Published App and Desktop Presentation and Management

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

Module 8: Printing for User Sessions

- Printing Concepts and Printer Provisioning
- Printer Drivers
- Print Environment - Considerations

Module 9: Profile Management

- User Profiles - Introduction and Considerations
- Configuring Citrix Profile Management
- Profile Containers - VHDX-based Policies

Module 10: Manage the Site

- Studio & Web Studio
- Delegated Administration
- Use PowerShell with Citrix Virtual Apps and Desktops
- Power Management Considerations

- Using Autoscale to Power Manage Machine

Module 11: Citrix Virtual Apps and Desktops Basic Security Considerations

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

Module 12: Citrix Workspace app Deployment and Configuration

- Citrix Workspace Deployment and Configuration

Module 13: Manage Citrix Virtual Apps and Desktops Deployment

- Citrix Director Introduction
- Monitor and Interact with User Sessions
- Published Apps Analysis
- Monitor the Machines Running the VDA
- Site Specific Common Monitoring
- Alerts and Notifications
- Optimize Citrix Director Monitoring with Citrix Application Delivery Management

Module 14: Manage - Supporting and Troubleshooting Citrix Virtual Apps and Desktops Workloads

- Introduction to Supporting a Citrix Virtual Apps and Desktops Site
- A List of Common Tools
- Common Tasks for Proactive Administration

Module 15: Optimize - Citrix Virtual Apps and Desktops Deployment

- Optimizing VDAs - Citrix Optimizer
- Citrix Workspace Environment Management Overview
- HDX Optimization