

Ultimate Bootcamp®

"Where Great IT Professionals Go For Great Training"

www.UltimateBootcamp.net

Windows Server 2008 R2 Server & Desktop Virtualization Ultimate Bootcamp® (MS 10215, 10324)



Ultimate Bootcamp Objectives

After completing this Ultimate Bootcamp, students will be able to:

- Describe server, desktop, and application virtualization.
- Evaluate a network environment for server virtualization.
- Plan for the implementation of the Hyper-V server role.
- Install the Hyper-V Server Role.
- Manage Hyper-V settings and virtual networks.
- Create and configure virtual machines.
- Manage virtual machine snapshots.
- Create a new virtual machine using SCVMM 2008 R2.
- Convert a physical server to a virtual machine.
- Convert and migrate virtual machines.
- Clone virtual machines.
- Describe when and how to use virtual machine checkpoints.
- Manage profiles and templates.
- Design fault tolerance for the VMM library.
- Configure VMM user roles.
- Install and configure the VMM Self-Service Portal.
- Implement failover clustering with Hyper-V and VMM 2008 R2.
- Configure System Center Operations Manager integration.
- Configure Performance and Resource Optimization (PRO).
- Implementing Data Protection Manager for backing up the VMM infrastructure.
- Understand the use and role of Remote Desktop Services (RDS).
- Implement the Remote Desktop Session Host.
- Implement the Remote Desktop Connection Broker.
- Implement the Remote Desktop Virtualization Host.
- Configure the Remote Desktop Gateway.
- Configure Remote Desktop Web Access.
- Implement Microsoft Enterprise Desktop Virtualization.
- Configure and deploy MED-V images.
- Implement App-V servers.
- Plan and deploy Application Virtualization clients.
- Administer the App-V infrastructure by using the App-V Management Console.
- Sequence applications for deployment by using the App-V infrastructure or a standalone installation.
- Implement user state virtualization.
- Configure and use Virtual Desktop Infrastructure.

Course length: 6 Days

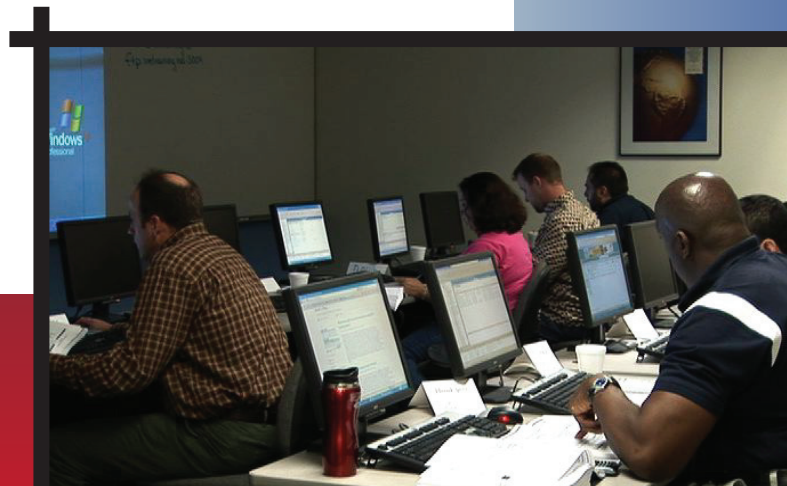
Overview

This six-day, extended hours, instructor-led bootcamp will provide you with the knowledge and skills to deploy and manage a server virtualization environment using Microsoft technologies. The course provides details on how to deploy and manage Hyper-V and Remote Desktop Services on Windows Server 2008 R2. The course also provides details on how to manage a server virtualization environment by using System Center products such as System Center Virtual Machine Manager (VMM) 2008, SCVMM 2008 R2, System Center Operations Manager 2007 R2, System Center Data Protection Manager 2007 R2, and System Center Configuration Manager 2007 R2. This bootcamp does not require previous server virtualization experience, but does require that students have significant experience in managing Windows Server 2008 or Windows Server 2008 R2.

This Ultimate Bootcamp also provides you with the knowledge and skills to implement and manage desktop virtualization solutions. This bootcamp explains how to configure and manage a MED-V deployment. Then, it describes the procedures for deploying an App-V solution by implementing App-V servers and clients and by sequencing applications. The bootcamp then covers the configuration of Remote Desktop Services and RemoteApp programs. Finally, the bootcamp describes the concept of user state virtualization and procedures for configuring the Virtual Desktop Infrastructure (VDI).

WINDOWS SERVER 2008 R2
SERVER & DESKTOP VIRTUALIZATION

Call Ultimate Bootcamp Today!
1-877-484-1182



Ultimate Bootcamp®

"Where Great IT Professionals Go For Great Training"

www.UltimateBootcamp.net



Windows Server 2008 R2 Server & Desktop Virtualization Ultimate Bootcamp® (MS 10215, 10324)

Course Outline (Modules listed in *blue* have labs)

Module 1: Evaluating and Planning for Virtualization

Lessons

- Overview of Microsoft Virtualization
- Overview of Microsoft Virtualization
- Evaluating the Current Environment for Virtualization
- Evaluating the Current Environment for Virtualization

Lab : Evaluating the Network Environment for Virtualization

Module 2: Installing and Configuring the Hyper-V Server Role

Lessons

- Installing the Hyper-V Server Role
- Configuring Hyper-V Settings and Virtual Networks

Lab : Installing and Configuring the Hyper-V Server Role

Module 3: Creating and Configuring Virtual Hard Disks and Virtual Machines

Lessons

- Creating and Configuring Virtual Hard Disks
- Creating and Configuring Virtual Machines
- Managing Virtual Machine Snapshots
- Working with the Virtual Machine Connection Application

Lab : Creating Virtual Hard Disks and Virtual Machines

Module 4: Integrating System Center Virtual Machine Manager with Microsoft Hyper-V Server 2008 R2

Lessons

- Planning for Integration of System Center Virtual Machine Manager
- Installing the VMM Server and Administrator Console
- Managing Hosts and Host Groups

Lab : Planning and Deploying VMM 2008 R2

Module 5: Creating and Deploying Virtual Machines Using System Center Virtual Machine Manager 2008 R2

Lessons

- Creating a New Virtual Machine Using VMM 2008 R2
- Converting a Physical Server to a Virtual Machine
- Converting and Migrating Virtual Machines

Lab : Creating and Deploying Virtual Machines

Module 6: Managing Virtual Machines Using Virtual Machine Manager 2008

Lessons

- Overview of VMM Management Tasks
- Creating and Managing Checkpoints

Lab : Managing Virtual Machines Using VMM 2008 R2

Module 7: Configuring and Managing the VMM Library

Lessons

- Overview of the VMM Library
- Managing Profiles and Templates
- Designing Fault Tolerance for the VMM Library

Lab : Configuring and Managing the VMM Library

Module 8: Configuring User Roles and the Virtual Machine Manager Self-Service Portal

Lessons

- Configuring User Roles
- Installing and Configuring the VMM Self-Service Portal

Lab : Configuring the VMM Self-Service Portal

Module 9: Implementing High Availability for Server Virtualization

Lessons

- Overview of Failover Clustering
- Implementing Failover Clustering with Hyper-V
- Implementing High Availability with VMM 2008 R2

Lab : Implementing High Availability for Server Virtualization

Module 10: Maintaining Software Updates Using the Offline Virtual Machine Servicing Tool

Lessons

- Overview of the Offline Virtual Machine Servicing Tool
- Configuring WSUS and the Offline Virtual Machine Servicing Tool

Lab : Maintaining Software Updates Using the Offline Virtual Machine Servicing Tool

Module 11: Monitoring and Reporting Virtualization

Lessons

- Monitoring Jobs in VMM 2008 R2
- Integrating System Center Operations Manager with VMM 2008 R2
- Configuring Performance and Resource Optimization

Lab : Integrating System Center Operations Manager with VMM 2008

Module 12: Backup and Restore Strategies for Virtual Machines

Lessons

- Overview of Backup and Restore Options for Virtual Machines and the VMM Database
- Implementing Data Protection Manager for Backing Up the VMM Infrastructure

Lab : Using Data Protection Manager to Back Up the VMM 2008 Infrastructure

Module 13: Desktop Virtualization Using Remote Desktop Services

Lessons

- Overview of Remote Desktop Services
- Implementing the Remote Desktop Session Host
- Implementing Remote Desktop Connection Broker
- Implementing the Remote Desktop Connection Virtualization Host

Lab : Implementing Remote Desktop Services

Call Ultimate Bootcamp Today! 1-877-484-1182
or Visit Us Online at www.UltimateBootcamp.net

Ultimate Bootcamp®

"Where Great IT Professionals Go For Great Training"

www.UltimateBootcamp.net



Windows Server 2008 R2 Server & Desktop Virtualization Ultimate Bootcamp® (MS 10215, 10324)

Course Outline (Modules listed in *blue* have labs)

Module 14: Extending Remote Desktop Services Outside the Organization

Lessons

- Configuring the Remote Desktop Gateway
- Configuring Remote Desktop Web Access

Lab : Integrating Remote Desktop Web Access into the Desktop Virtualization Infrastructure

Module 15: Planning Desktop Virtualization Scenarios

Lessons

- Overview of Virtualization
- Overview of Virtualization Management
- Overview of Planning a Virtualization Deployment

Lab : Planning Desktop Virtualization Scenarios

Module 16: Implementing Windows Virtual PC and Windows XP Mode

Lessons

- Installing Windows Virtual PC
- Configuring Windows Virtual PC
- Installing, Configuring, and Managing the Windows XP Mode
- Creating and Deploying Custom Images of Windows XP Mode

Lab : Implementing Windows Virtual PC and Windows XP Mode

Module 17: Implementing Microsoft Enterprise Desktop Virtualization

Lessons

- Overview of Microsoft Enterprise Desktop Virtualization
- Implementing MED-V Servers
- Implementing MED-V Clients

Lab : Implementing MED-V

Module 18: Configuring and Deploying MED-V Images

Lessons

- Configuring MED-V Images
- Deploying MED-V Images

Lab : Configuring and Deploying MED-V Images

Module 19: Managing a MED-V Deployment

- Implementing the MED-V Workspace Policy
- Working with a MED-V Workspace
- Reporting and Troubleshooting MED-V

Lab : Managing a MED-V deployment

Module 20: Implementing App-V

Lessons

- Introduction to Application Virtualization
- Planning for Application Virtualization
- Deploying Application Virtualization Servers

Lab : Implementing App-V

Module 21: Planning and Deploying App-V Clients

Lessons

- Planning the App-V Client Deployment
- Installing and Configuring the App-V Client
- Managing Client Configuration Features

Lab : Deploying the App-V Client in Standalone Mode

Module 22: Managing and Administering Application Virtualization

Lessons

- Using the Application Virtualization Management Console
- Publishing Applications into the App-V Environment
- Modifying Published Applications and Configuring Version Upgrades
- Performing Advanced Tasks for Application Virtualization Administration

Lab : Publishing Applications in the App-V Environment

Lab : Implementing License Enforcement

Module 23: Sequencing Applications for Virtualization

Lessons

- Overview of Application Sequencing
- Planning and Configuring the Sequencer Environment
- Performing Application Sequencing
- Advanced Sequencing Scenarios

Lab : Sequencing Applications for Virtualization

Module 24: Configuring Remote Desktop Services and the RemoteApp

Lessons

- Overview of Remote Desktop Services
- Publishing RemoteApp by Using RDS
- Accessing RemoteApp Programs from Clients

Lab : Configuring Remote Desktop Services and RemoteApp

Module 25: Implementing User State Virtualization

Lessons

- Overview of User State
- Configuring Roaming Profiles and Folders Redirection

Lab : Implementing User State Virtualization

Module 26: Configuring Virtual Desktop Infrastructure

Lessons

- Windows Server 2008 R2 Hyper-V Overview
- Introduction to VDI
- Configuring Personal and Pooled Virtual Desktops

Lab : Configuring Virtual Desktop Infrastructure

Call Ultimate Bootcamp Today! 1-877-484-1182
or Visit Us Online at www.UltimateBootcamp.net