

**Course Outline:** What's new in Windows Server 2008 R2

**Learning Method:** Instructor-led Classroom Learning

**Duration:** 2.00 Day(s)/ 16 hrs

**Outline:**

**New Active Directory Management Tools**

- The Active Directory Administrative Center
- The Best Practices Analyzer
- Download and Install Remote Server Administration Tools (RSAT)
- Turn RSAT Features On
- Using RSAT from a Client
- Enable Remote Management of a Server

**The Active Directory Recycle Bin**

- Server 2008 R2 Domain Functional Level
- Installing Integrated PowerShell Editor
- Activating AD Recycling Bin
- Restoring a Deleted Account
- Finding Out Information About a Deleted Object
- Restoring a Deleted Organizational Unit

**New Group Policy in Server 2008 R2**

- New Look, Nice Interface
- Super Easy Power Plan Preferences
- Internet Explorer 8 Preferences
- Starter GPOs

**Build an ASP.Net Application Server on Server Core**

- Configuring Server Core
- Configuring Remote Management on Server Core
- Opening and Editing Batch Script
- Installing IIS 7.5 and ASP.Net
- Connecting a Web Server to Server Core Machine
- Configuration Editor
- Setting Up FTP Site
- FTP Options and Settings
- Adding Files to the Server Core Machine
- What We Covered: Steps to Creating ASP.Net Application Server on Server Core

**Boot a Machine with a Virtual Hard Disk**

- Why Would You Use a Virtual Hard Drive?

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- Easy VHD Boot Setup
- Copying a VHD to a Physical Machine
- Using and Editing VHDBoot Script
- Running the VHDBoot Script
- Deleting a VHD from the Physical Machine

### Hyper-V Dynamic Storage and Quick Switch Settings

- New Hyper-V Capabilities
- Hot Add/Remove Virtual SCSI Hard Disks

### Remote Desktop Services: Personal Virtual Desktops

- The Virtual Personal Desktop Concept
- What is a VDI?
- Install Remote Desktop Services Roles
- Install the Remote Desktop Virtualization Host Role
- Add the Desktop Experience Feature
- Prep the Windows 7 Client
- Turn On Remote Desktop on the Client
- Edit and Run the RDP Batch Script
- Edit the Client Registry
- Add a Firewall Exception
- Configure RD Connection Broker for Personal Desktops
- Assign a Personal Desktop to a User

- Add an RD Source in RD Web Access
- Discovering the RD Web Access URL
- Add Your RD Server to TS Web Access Computers
- Test Personal Desktop Access

### Hyper-V Clustering

- What Does it Take to Build Highly Available Virtual Machines?
- Two Methods of Easy VM Migration
- What We Covered
- Bonus: Hyper-V Clustering Science Experiment
- Building Failover Clusters
- Setting Up for Hyper-V Clustering
- Attaching iSCSI Storage
- Validating Configuration
- Creating a Cluster
- Configuring Cluster Quorum Settings
- Creating Highly Available Virtual Machine
- Live and Quick Migration
- What We Covered (Bonus)

### AppLocker

- The AppLocker GPO Setting
- Creating the OU
- Attaching a GPO to the OU
- Creating Default Rules
- Creating an AppLocker Rule
- Configuring Rule Enforcement
- Testing Our AppLocker Rule

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- Creating a Local AppLocker Rule

### BranchCache

- Life Without BranchCache
- The Cooperative BranchCache Method
- The Hosted BranchCache Method
- Hosted Method Demo
- Install the BranchCache Role Service
- Enabling the BranchCache via Local Group Policy
- Configure a GPO for Clients
- Turn On BranchCache on Clients
- Set BranchCache Distributed Mode
- Configure Windows Firewall for Clients
- Enable BranchCache on a Shared Folder

### Concept: Direct Access

VPN access without the hassles of VPN's? Oh yes, it's here! Direct Access is a feature we are going to see implemented far and wide for shops of all sizes that have mobile and remote users. In this video, I give you the run-down on the concepts behind Direct Access.

- The Advantages of Direct Access
- Components Needed for Direct Access
- The Secret Behind Direct Access

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