

Module M70-659 R2 – Implementing and Managing Microsoft Server Virtualization

Miles cursusprijs:	€ 1.445,00
Miles cursusduur:	3 klassikale lesdagen (normaal 5 lesdagen)
Doorlooptijd:	3 weken; 1^e week 1 lesdag, 3^e week 2 lesdagen
Besparing in geld:	tot € 900,00
Besparing in tijd:	2 klassikale lesdagen

Samenvatting

M70-659 is een "blended" cursus van in totaal 3 dagen klassikale training en zelfstudie. De klassikale lesdagen worden gescheiden gegeven. In de eerste week is er een lesdag en in de derde week zijn er twee lesdagen. In de tussenvallende week bestudeert de cursist een gedeelte van de stof aan de hand van de studieplanner. M70-659R2 leidt op voor het Microsoft examen 70-659 MCTS: Implementing and Managing Microsoft Server Virtualization

This three-day instructor-led course provides students 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 course 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.

Inclusief extra studiemateriaal

- MOC workbook
- Windows Server 2008 Hyper-V Resource Kit Covers Hyper-V R2 features
- Exampreparation: 70-659: TS:Windows Server 2008 R2, Server Virtualization (Royal Pack)
- Studiewijzer

At Course Completion

After completing this course, students will be able to:

- Describe server, desktop, and application virtualization.
- Describe how you use Microsoft System Center to manage the virtual infrastructure.
- Evaluate a network environment for server virtualization.
- Plan for the implementation of the Hyper-V server role.
- Install the Hyper-V Server Role and Manage Hyper-V settings and virtual networks.
- Create and configure virtual machines.
- Manage virtual machine snapshots.
- Managing and maintaining the Virtual Machine Connection Tool.
- Create and configure virtual machines.
- Manage virtual machine snapshots.
- Managing and maintaining the Virtual Machine Connection Tool.
- 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 common management tasks and property configuration settings for virtual machines managed by VMM 2008.
- Describe when and how to use virtual machine checkpoints.
- Overview of the VMM Library.
- Manage profiles and templates.
- Design fault tolerance for the VMM library.
- Configure VMM user roles.
- Install and configure the VMM Self-Service Portal.
- Describe the Windows Server 2008 R2 Failover Cluster feature.

- Implement failover clustering with Hyper-V and VMM 2008 R2.
- Describe how to use the Offline Virtual Machine Servicing Tool to maintain updates for virtual machines.
- Configure Windows Server Update Services (WSUS) and the Offline Virtual Machine Servicing Tool.
- Monitor and manage jobs in VMM 2008 R2s.
- Configure System Center Operations Manager integration.
- Configure Performance and Resource Optimization (PRO).
- Describe backup and restore options for virtual machines and the VMM database.
- 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.
- Configure Remote Desktop Licensing.

Doelgroep

The primary audience for this course is Microsoft Windows Server 2008 system administrators who will manage and implement Server Virtualization technologies within their network.

The students for this course are responsible for virtualizing their current servers, or have been requested or directed by their information technology (IT) management to research and/or implement server virtualization in the existing environment. They should have a minimum of 1.5 years of experience working with Microsoft Windows Server 2008 as a server administrator. Prior experience with virtualization is not expected. However, familiarity with virtualization concepts and management tools is highly recommended.

Voorkennis

- Perform server administrator tasks responsible for building and maintaining a virtualization infrastructure.
- Work or consult for a midsize to enterprise-size organization.
- Have a basic understanding of server virtualization concepts related to Microsoft or other third-party virtualization technologies.
- Support production, development, testing, high availability, business continuity, staging, classroom, or hosting environments based upon Windows Server 2008 technology.
- Understand a Windows-based network, including Active Directory directory service.
- Understand storage technologies, such as Storage Area Network (SAN) including Internet small computer system interface (iSCSI), Fiber Channel, and Direct Attached Storage (DAS).
- Understand Windows Server 2008 failover clustering.

Onderwerpen

Evaluating and Planning for Virtualization

Describe virtualization as it relates to server, desktop, and application environments. Students also will learn how to plan for critical decision points related to hardware requirements, storage, availability, and security.

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

Installing and Configuring the Hyper-V Server Role

After completing this module, you will be able to install the Hyper-V server role, and configure host and virtual network settings.

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

Creating and Configuring Virtual Hard Disks and Virtual Machines

After completing this module, you will be able to determine and configure the most appropriate virtual hard disk(s) to use in a virtual machine. Students also will be able to create and configure 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

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

After completing this module, students will be able to plan for, and deploy, System Center Virtual Machine Manager with their Hyper-V solution.

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

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

After completing this module, students will be able to use VMM 2008 R2 to create and deploy virtual machines.

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

Managing Virtual Machines Using Virtual Machine Manager 2008

This module explains how to perform various management tasks on virtual machines stored within the VMM infrastructure.

- Overview of VMM Management Tasks
- Creating and Managing Checkpoints

Configuring and Managing the VMM Library

This module explains how to configure and manage resources in the VMM Library. Lessons

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

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

This module explains how to configure and manage user roles and the Virtual Machine Manager Self-Service Portal

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

Implementing High Availability for Server Virtualization

This module explains how to configure high availability for server virtualization.

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

Maintaining Software Updates Using the Offline Virtual Machine Servicing Tool

This module explains how to maintain software updates using the Offline Virtual Machine Servicing Tool.

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

Monitoring and Reporting Virtualization

This module explains how to use the monitoring tools included with VMM 2008 and integrate System Center Operations Manager to provide extended monitoring, reporting, and troubleshooting capabilities.

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

Backup and Restore Strategies for Virtual Machines

This module explains how to configure and manage resources in the VMM Library.

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

Desktop Virtualization Using Remote Desktop Services

This module explains how to describe and implement the core role services included in the Remote Desktop Services server Role.

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

Extending Remote Desktop Services Outside the Organization

This module explains how to implement and configure the Remote Desktop Gateway and Remote Desktop Web Access.

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

Examen

Microsoft examen 70-659- TS: Implementing and Managing Microsoft Server Virtualization

Voor verdere informatie over de mogelijkheden van @The Academy kunt u contact opnemen met één van onze opleidingsadviseurs. Wij zijn te bereiken op 040-292 47 47.

INSCHRIJFFORMULIER

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	Prijs	Startdatum	
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Kruis aan indien gewenst	Omschrijving	Aantal	Prijs per stuk	Totaal
	Microsoft Exam Vouchers	1	€ 175,=	€ 175,=

Naam Cursist			
Emailadres Cursist			

Ondergetekende is tekeningsbevoegd en verklaart zich akkoord met de cursusvoorwaarden.

Naam	Handtekening	Datum
		____ - ____ - ____

Betalingsvoorwaarden:

Facturatie: 100% bij opdracht.

Betalingstermijn: 10 werkdagen voor aanvang opleidingstraject

Alle genoemde bedragen zijn exclusief BTW

De opdracht wordt aan @The Academy B.V. verstrekt door middel van ondertekening van dit inschrijfformulier. U kunt uw ondertekende opdrachtbevestiging per fax retourneren aan @The Academy op faxnummer : **040 - 292 47 48**.

Wij danken u voor het in ons gestelde vertrouwen.