

# Kurs-Dokumentation



**Zentrum für Informatik ZFI AG**

**Planning and Designing Microsoft  
Virtualization Solutions (VMVS-0212) -IT  
Ausbildung nach Mass**

<http://www.zfi.ch/VMVS-0212>

Weitere Infos finden Sie unter [www.zfi.ch](http://www.zfi.ch) oder via Adresse:

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<b>Titel</b>	<b>Planning and Designing Microsoft Virtualization Solutions</b>
<b>Untertitel</b>	
<b>Einleitung</b>	<b>This five-day instructor-led course provides students with the knowledge and skills to design a complex data center and desktop architecture using Microsoft Windows Server 2008 R2 with Hyper-V or Hyper-V Server 2008 R2, Remote Desktop Services (RDS), System Center Suite, Microsoft Enterprise Desktop Virtualization (MED-V), Application Virtualization 4.6 (APP-V), as well as supporting applications and utilities. The information included in this class will provide students with a solid baseline of technology solutions, architecture considerations, and management requirements that can be integrated to build a successful virtualization infrastructure.</b>
<b>Ihr Nutzen</b>	<b>After completing this course, students will be able to:</b> <ul style="list-style-type: none"><li><b>- Evaluate benefits of implementing virtualization technologies</b></li><li><b>- Understand how virtualization technology can be used to create more flexible and dynamic data center and desktop infrastructures</b></li><li><b>- Understand the selection process for local desktop or central VDI environments</b></li><li><b>- Design virtualization solutions for datacenter and desktop infrastructures</b></li><li><b>- Plan virtualization services such as Hyper-V, RDS, MED-V, and APP-V</b></li><li><b>- Integrate System Center Suite into a virtualization infrastructure to provide an end-to-end management strategy</b></li><li><b>- Understand and plan virtual machine conversion and deployment options</b></li><li><b>- Plan enterprise storage solutions to support virtualization infrastructures</b></li><li><b>- Design high-availability virtualization solutions</b></li><li><b>- Plan an enterprise backup and recovery strategy</b></li></ul>
<b>Voraussetzungen</b>	<b>Before attending this course, students must have:</b> <ul style="list-style-type: none"><li><b>- Windows Server 2008 R2 knowledge and experience</b></li><li><b>- Fundamental knowledge of Hyper-V</b></li><li><b>- Fundamental knowledge of Remote Desktop Services (RDS)</b></li><li><b>- Fundamental knowledge of Microsoft Enterprise Desktop Virtualization (MED-V)</b></li><li><b>- Fundamental knowledge of Application Virtualization (APP-V)</b></li></ul>

	<ul style="list-style-type: none"><li>- Fundamental knowledge of System Center products including System Center Configuration Manager, System Center Operations Manager, System Center Virtual Machine Manager, and System Center Data Protection Manager</li></ul>
<b>Teilnehmerkreis</b>	<b>This course is intended for Infrastructure Architects and Virtualization Specialists who are responsible for designing, deploying, and managing one or more data center or desktop virtualization environments.</b>
<b>Unterlagen</b>	<b>Original-Microsoft-Kursunterlagen</b>
<b>Folgekurse</b>	
<b>Inhalt</b>	<ul style="list-style-type: none"><li>- Planning a Virtualization Strategy- Understanding Virtualization Levels</li><li>- Defining the Case for Virtualization</li><li>- Reviewing Virtualization Technologies</li><li>- Understanding Licensing Options</li><li>- Reviewing Integration with Third-Party Products</li> <li>- Designing a Virtualization Platform Infrastructure and High-Availability Strategy- Defining Server Virtualization Scenarios</li><li>- Defining Hyper-V Base Architectures</li><li>- Performing a Pre-Design Discovery</li><li>- Designing a Server Virtualization Infrastructure</li><li>- Designing the Hyper-V Host Architecture</li><li>- Sizing a Hyper-V Host Farm</li> <li>- Designing a Virtualized Desktop Infrastructure- Defining a Desktop Virtualization Scenarios</li><li>-</li><li>- Designing a Local Desktop Infrastructure</li><li>- Designing a VDI Deployment using Windows Server 2008 R2 Hyper-V and RDS</li><li>- Designing an Application Strategy using RemoteApp</li><li>- Designing a VDI Deployment using Windows Server 2008 R2 Hyper-V and Citrix XenDesktop</li></ul>

- Designing an Application Virtualization Infrastructure- Planning an Application Virtualization 4.6 Infrastructure
- Designing an Application Virtualization 4.6 Infrastructure
- Using Application Virtualization 4.6 with System Center Configuration Manager 2007 R2
- Using Application Virtualization 4.6 with RDS
  
- Designing a Virtualization Infrastructure Management Strategy- Developing a Virtualization Infrastructure Management Environment with the System Center Suite
- Developing a Virtual Machine Deployment Strategy
- Developing a Virtual Machine Conversion Strategy
- Developing an Administrative Strategy
- Developing a Virtual Machine Migration Strategy
- Developing a Disaster Recovery Strategy
- Developing an Maintenance Strategy

**Beitrag**

Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).