

Kurs-Dokumentation



Zentrum für Informatik ZFI AG

Private Cloud Configuration System Center 2012 (CLPC-0112) -IT Ausbildung nach Mass

<http://www.zfi.ch/CLPC-0112>

Weitere Infos finden Sie unter www.zfi.ch oder via Adresse:

Zentrum für Informatik ZFI AG
Zentralsekretariat
Technoparkstrasse 1
CH-8005 Zürich
Telefon: 044 732 40 00
Telefax: 044 732 40 09

Zürich, Basel, Bern, Zürich, Schweiz

Titel	Private Cloud Configuration System Center 2012
Untertitel	Configuration and Deployment
Einleitung	<p>This course teaches students how to design, install and configure a private cloud, including how to configure and deploy the application infrastructure as well as the key components of System Center 2012 that are necessary for delivering services on the private cloud infrastructure. This course provides direction on producing a high-level design that accounts for requirements for the private cloud environment. Students will learn how to configure and deploy the application infrastructure, how to configure a preboot execution environment (PXE) server, an update server, and a software update baseline. Students will learn how to sequence and deploy an application virtually, and how to build the core components that are necessary for delivering services in the infrastructure. They will also allocate resources and grant access to the private cloud.</p> <p>Additionally, students will learn how to monitor the private cloud, and setup, configure, and integrate the core System Center 2012 - Service Manager components into the private cloud infrastructure. Students will learn how to configure a service catalog and publish this catalog to the self-service portal. They will also gain the knowledge required to deploy and configure System Center 2012 - Data Protection Manager (DPM) and Orchestrator in a private cloud, and integrate these products with other System Center 2012 components.</p>
Ihr Nutzen	<p>After completing this course, students will be able to:</p> <ul style="list-style-type: none">- Plan for the private cloud.- Configure and deploy the private cloud infrastructure.- Extend and maintain the private cloud infrastructure.- Configure virtual application delivery.- Create the private cloud building blocks.- Deploy and access the first business unit private cloud.- Monitor the private cloud infrastructure.- Extend and customize monitoring of the private cloud infrastructure.- Implement service management for the private cloud.- Configure a private cloud service catalog.- Protect the private cloud infrastructure.- Automate and standardize the private cloud.
Voraussetzungen	<p>Before attending this course, students must already have the following technical knowledge:</p>

- Windows Server 2008 R2 operating system.
- Active Directory Domain Services (AD DS).
- Networking experience.
- Working knowledge of previous versions of System Center products.
- Microsoft SharePoint configuration.
- Windows Server 2008 Hyper-V.
- Familiarity with data center management processes.
- Storage area networks (SANs).

Teilnehmerkreis

This course is intended for data center administrators who will be responsible for designing, installing, and configuring a private cloud infrastructure. The secondary audience for this course are data center administrators who will be responsible for monitoring and protecting the private cloud infrastructure.

Unterlagen

Original-Microsoft-Kursunterlagen.

Folgekurse**Inhalt**

- Planning for the Private Cloud
Understanding the Private Cloud

Requirements for Deploying a Private Cloud

Designing the Private Cloud Components

Deploying a Private Cloud Infrastructure with System Center 2012

Deploying Hyper-V Clustering with Virtual Machine Manager (VMM)

- Configuring and Deploying the Private Cloud Infrastructure
Virtual Machine Manager Architecture and Components Overview

Installing and Upgrading Virtual Machine Manager

Configuring VMM Security and Roles

Understanding Host Groups

**- Extending and Maintaining the Private Cloud Infrastructure
Overview of the PXE and Update Server Roles**

Deploying Bare-Metal Hyper-V Host Server

Configuring the Update Server Role

Creating and Remediating an Update Baseline

**- Configuring Virtual Application Delivery
Dynamic Application Deployment Overview**

Web Deployment Packages

Server Application Virtualization Overview

Configuring Server App-V Components

Sequencing and Deploying Virtual Applications

**- Creating the Private Cloud Building Blocks
Configuring Guest Operating System Profiles**

Configuring Hardware Profiles

Deploying SQL Server Using SQL Server Profiles

Configuring Application Profiles for a Deployment

Configuring Virtual Machine Templates

Configuring Self-Service Portal Users

**- Deploying and Accessing the First Business Unit Private Cloud
Understanding Private Clouds**

Installing and Configuring Application Controller

Creating and Managing Services and Service Templates

**- Monitoring the Private Cloud Infrastructure
Operations Manager Architecture and Security**

Upgrading Operations Manager

Configuring Notifications

Configuring Management Packs

Configuring Integration with System Center 2012

**- Extending and Customizing Monitoring of the Private Cloud
Infrastructure
Configuring a SharePoint Portal**

Using the Monitoring Templates

Understanding Distributed Application Monitoring

**- Implementing Service Management for the Private Cloud
System Center Service Manager Architecture Overview**

Upgrading Service Manager

Understanding Service Manager Work Items

Configuring System Center Service Manager Connectors

Configuring Notifications

Understanding Incident and Problem Management

- Configuring a Private Cloud Service Catalog What is a Service Catalog?

Cloud Service Process Management Pack Overview

Configuring Service Request Fulfillment

Configuring Service Offerings

Service Level Management

- Protecting the Private Cloud Infrastructure Data Protection Manager Architecture and Security

Upgrading Data Protection Manager

Configuring Data Protection Manager for Protection of the Private Cloud

Configuring Application Protection for the Private Cloud

Restoring Applications to the Private Cloud

- Automating and Standardizing the Private Cloud Deploying and Configuring Core Components

Configuring Integration Packs

Creating Runbooks**Executing a Runbook from Service Manager****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).