



HP Education Services

10751 - Configuring and Deploying a Private Cloud with System Center 2012

This course describes private cloud configuration and deployment with Microsoft System Center 2012.

Audience

Data center administrators responsible for designing, installing and configuring a private cloud infrastructure.

Prerequisites

This course describes private cloud configuration and deployment with System Center 2012. Because this is an extensive technical domain that includes several individual products and technologies, it is strongly recommended administrators have prerequisite knowledge in the following areas:

- Windows Server 2008 R2 operating system
- Active Directory Domain Services (AD DS)
- Microsoft SharePoint•Windows Server 2008 Hyper-V
- VMM Service Manager
- Oracle Opalis
- Data Protection Manager
- Operations Manager
- Networking and storage experience
- Familiarity with data center management processes
- Previous work with IT Infrastructure Library (ITIL)
- Previous work with Microsoft Operations Framework (MOF)

Course objectives

After completing this course, students will be able to:

- Produce a high-level design that accounts for requirements for the private cloud environment.
- Configure and deploy the application fabric.
- Configure a PXE server, an update server, and a software update baseline
- Configure Microsoft Server Application Virtualization (App-V) so that it can be used to sequence and deploy an application virtually.
- Build the core components necessary for delivering services on the fabric.
- Allocate resources to the private cloud and grant access to the private cloud.
- Understand how to monitor the private cloud using Operations Manager.
- Understand the tools necessary to extend and customize Operations Manager for a private cloud environment.
- Set up, configure, and integrate the core components of Service Manager into the private cloud fabric.

Course title:	10751 - Configuring and Deploying a Private Cloud with System Center 2012
HP product number:	H7G385
Category/Subcategory:	Microsoft
Course length:	5 days
Delivery language:	English

- Configure a service catalog, and then publish it to the Self-Service Portal.
- Gain the knowledge necessary to deploy and configure DPM in a private cloud.
- Deploy and configure Microsoft System Center 2012 - Orchestrator in a private cloud, and then integrate it with other System Center 2012 components.

Why education services from HP?

- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Unmatched technical expertise and support for HP products and technologies
- Comprehensive curriculum of job-specific training leading to vendor certification
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- More than 30 years of Education Consulting
- Global training with more than 90 training locations worldwide
- Award winning virtual classrooms and virtual labs for a real hands-on experience

Detailed course outline

Module 1: Planning for the Private Cloud

This module describes the core components of a private cloud and the prerequisites for deploying a private cloud.

Module 2: Configuring and Deploying the Private Cloud with System Center 2012 -Virtual Machine Manager

This module describes how to configure infrastructure components by using System Center 2012 -Virtual Machine Manager

Module 3: Extending and Maintaining the Private Cloud Infrastructure

This module describes how to integrate features provided by Windows Deployment Services (WDS) and Windows Server Update Services (WSUS) to help extend and manage the VMM private cloud infrastructure resources.

Module 4: Configuring Application Delivery

This module explains how to use the Microsoft Web Deployment Tool and Server App-V to dynamically deploy applications in the private cloud.

Module 5: Creating the Private Cloud Building Blocks

This module explains how to prepare and deploy the underlying infrastructure components that are used as building blocks for delivering private cloud services.

Module 6: Deploying and Accessing a Private Cloud

This module explains private clouds, System Center 2012 - App Controller, and private cloud services.

Module 7: Monitoring the Private Cloud Infrastructure

This module explains how to monitor the private cloud infrastructure by using System Center 2012 - Operations Manager.

Module 8: Extending and Customizing Monitoring of the Private Cloud Infrastructure

This module explains how to use Operations Manager templates to monitor various applications and implement distributed application monitoring.

Module 9: Implementing Service Management for the Private Cloud

This module explains how to setup, configure, and integrate the core components of System Center 2012 - Service Manager into the private cloud infrastructure.

Module 10: Protecting the Private Cloud Infrastructure

This module describes how to deploy and configure Data Protection Manager in a private cloud.

Module 11: Automating and Standardizing the Private Cloud

This module explains how to deploy and configure System Center Orchestrator in a private cloud and integrate it with other System Center 2012 components.

Module 12: Configuring the Cloud Services Process Pack

This module describes how to implement the Cloud Services Process Pack and use service level management.

For more information

To locate contact information and to learn more about education services, please visit our web site at <http://www.hp.com.au/education>.

