

Monitoring and Operating a Private Cloud with System Center 2012 [10750 246](#)
Configuring and Deploying a Private Cloud with System Center 2012 [10751 247](#)

Duration : 40 Hrs /module

Course 10750A:

Monitoring and Operating a Private Cloud with System Center 2012 (70-246)

Course Outline

Module 1: Introduction to the Private Cloud

- Overview of the Cloud Computing Model
- Requirements for the Private Cloud
- Operating a Private Cloud Infrastructure with System Center
- Maintaining the Health of the Private Cloud
- Integrating System Center Components
- Verifying the Compliance of the Private Cloud Infrastructure

Module 2: Configuring and Optimizing Business Unit Clouds

- Overview of System Center Virtual Machine Manager
- Managing a Virtual Environment with Virtual Machine Manager
- Creating Business Unit Clouds

Module 3: Deploying Cloud Services

- Overview of Service Templates
- VMM Profiles
- Web Deploy Packages
- Overview of Server App-V
- Data-Tier Application Packages

Module 4: Monitoring Private Cloud Services

- Overview of System Center Operations Manager
- Agent Deployment in Operations Manager

- Configuring Custom Monitoring
- Monitoring the Network Infrastructure
- Monitoring Distributed Applications

Module 5: Configuring Application Performance Monitoring

- Application Performance Monitoring
- Advanced Monitoring in Application Performance Monitoring
- Viewing Application Performance in Operations Manager

Module 6: Operating and Extending Service Management in the Private Cloud

- Overview of Service Manager
- Configuring Security and User Roles
- Configuring Work Items
- Configuring Incident Queues
- Configuring Service Offerings

Module 7: Automatic Incident Creation, Remediation, and Change Requests

- Overview of System Center Orchestrator 2012
- Integrating Orchestrator with Operations Manager and Service Manager

Module 8: Problem Management in the Private Cloud

- Overview of Problem Management
- Creating Custom Rules

Module 9: Automating Self-Service Provisioning

- Installing and Configuring the System Center Cloud Services Process Pack
- Cloud Services Configuration Items
- Cloud Services Request Items

Module 10: Private Cloud Protection and Recovery

- Protecting Data in the Private Cloud
- Recovering Data in the Private Cloud

Module 11: Configuring Compliance in the Private Cloud

- Overview of the Process Pack for IT GRC

- Installing and Configuring the Process Pack for IT GRC
- Implementing an IT GRC Control Management Program
- Maintaining Compliance through VMM Security Baselines and System Center Advisor

Module 12: Configuring SLAs, Dashboards, and Widgets

- Service Level Tracking
- Configuring and Deploying Widgets and Dashboards
- Publishing Real-Time State with Microsoft Visio Snap-in
- System Center Analytics
- Using Excel and SSRS to View Data
- Overview of PerformancePoint

Course 10751A

Configuring and Deploying a Private Cloud with System Center 2012 (70-247)

Course Outline

Module 1: Planning for the Private Cloud

- Understanding the Private Cloud
- Requirements for Deploying a Private Cloud
- Designing the Private Cloud Infrastructure
- Overview of System Center 2012 Components
- Deploying Hyper-V Clustering with VMM

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

- Overview of VMM Architecture and Components
- Installing and Upgrading VMM
- Configuring VMM Security and Roles
- Understanding Host Groups

Module 3: Extending and Maintaining the Private Cloud Infrastructure

- Overview of the PXE and Update Server Roles
- Deploying Bare-Metal Hyper-V Host Servers
- Configuring the Update Server Role
- Creating and Using an Update Baseline

Module 4: Configuring Application Delivery

- Dynamic Application Deployment Overview
- Web Deployment Packages
- Server Application Virtualization Overview
- Configuring Server App-V Components
- Sequencing and Deploying Virtual Applications

Module 5: Creating the Private Cloud Building Blocks

- Configuring Guest Operating System Profiles

- Configuring Hardware Profiles
- Configuring SQL Server Using SQL Server Profiles
- Configuring Application Profiles
- Configuring Virtual Machine Templates
- Configuring the Self-Service User Role

Module 6: Deploying and Accessing a Private Cloud

- Understanding Private Cloud Computing
- Installing and Configuring App Controller
- Creating and Managing Services and Service Templates

Module 7: Monitoring the Private Cloud Infrastructure

- Operations Manager Architecture and Security
- Upgrading Operations Manager 2007 R2
- Configuring Notifications
- Configuring Management Packs
- Configuring Integration with System Center 2012

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

- Configuring the SharePoint Server Portal
- Monitoring Templates
- Distributed Application Monitoring

Module 9: Implementing Service Management for the Private Cloud

- Service Manager Architecture Overview
- Upgrading to System Center 2012 - Service Manager
- Understanding Service Manager Work Items
- Configuring Service Manager Connectors
- Configuring Service Manager Notifications

Module 10: Protecting the Private Cloud Infrastructure

- Planning DPM Deployment
- DPM Architecture and Components
- Upgrading DPM

- Configuring DPM for the Private Cloud
- Configuring Application Protection for the Private Cloud
- Restoring Applications to the Private Cloud

Module 11: Automating and Standardizing the Private Cloud

- Orchestrator Architecture and Components Overview
- Deploying and Configuring Core Components
- Managing Runbooks
- Configuring Integration Packs

Module 12: Configuring the Cloud Services Process Pack

- Implementing the Cloud Services Process Pack
- Service Level Management