



MCSE: Microsoft Private Cloud

Details Course Outline

Monitoring and Operating a Private Cloud (Exam 70-246)

<p>Lesson 1: Introduction to the Cloud Model</p> <ul style="list-style-type: none"> • Overview of the Cloud Computing Model • Requirements for a Private Cloud • Requirements for a Public or Hybrid Cloud • Operating a Hybrid Cloud Infrastructure with System Center • Maintaining the Health of a Cloud • Integrating System Center Components <p>Lesson 2: Configuring a Private Cloud Environment</p> <ul style="list-style-type: none"> • Overview of System Center 2012 R2 Virtual Machine Manager • Managing the Virtual Environment with Virtual Machine Manager • Creating Clouds <p>Lesson 3: Deploying Cloud Services</p> <ul style="list-style-type: none"> • Overview of Service Templates • VMM Profiles • Web Deploy Packages • Overview of Server App-V • Data-Tier Application Packages • Deploying Services through App Controller <p>Lesson 4: Monitoring Cloud Based Applications</p> <ul style="list-style-type: none"> • Overview of System Center 2012 R2 Operations Manager • Agent Deployment in Operations Manager • Configuring Custom Monitoring • Monitoring the Network Infrastructure • Monitoring Distributed Applications <p>Lesson 5: Configuring Application Performance Monitoring</p> <ul style="list-style-type: none"> • Application Performance Monitoring • Advanced Monitoring in APM • Viewing Application Performance Data in Operations Manager <p>Lesson 6: Operating and Extending Service Management in the Private Cloud</p> <ul style="list-style-type: none"> • Overview of Service Manager • Configuring Security and User Roles • Configuring Work Items • Configuring Incident Queues • Configuring Service Offerings for a Cloud 	<p>Lesson 7: Automating Incident Creation, Remediation, and Change Requests</p> <ul style="list-style-type: none"> • Overview of System Center 2012 R2 Orchestrator • Integrating Orchestrator with Operations Manager and Service Manager <p>Lesson 8: Problem Management in the Private Cloud</p> <ul style="list-style-type: none"> • Overview of Problem Management • Creating Custom Rules <p>Lesson 9: Operating a Self Service, Multi-Tenant Cloud with Windows Azure Pack</p> <ul style="list-style-type: none"> • Windows Azure Pack Key Concepts • Administer Windows Azure Pack • Windows Azure Pack Providers <p>Lesson 10: High Availability, Protection, and Recovery for the Cloud</p> <ul style="list-style-type: none"> • High Availability for a Cloud • Protecting Data in the Private Cloud • Recovering Data in the Private Cloud <p>Lesson 11: Optimizing Your Cloud Infrastructure</p> <ul style="list-style-type: none"> • Using Virtual Machine Manager to Keep the Cloud Infrastructure Up-to-Date • Using Configuration Manager to keep Virtual Machines up-to-date • Using System Center Advisor to Optimize Cloud infrastructure • Using Pro-Tips to Optimize Cloud infrastructure <p>Lesson 12: Configuring SLAs, Dashboards, and Widgets</p> <ul style="list-style-type: none"> • 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 • Configuring Service Reporting
---	--

Configuring and Deploying a Private Cloud (Exam 70-247)

<p>Lesson 1: Planning for the Cloud</p> <ul style="list-style-type: none"> • Understanding Cloud Models • Benefits for Deploying a Private Cloud • Designing a Private Cloud Infrastructure • Overview of Windows Server 2012 R2 Hyper-V • Overview of System Center 2012 R2 Components • Deploying Hyper-V Clustering with VMM <p>Lesson 2: Configuring and Deploying the Private Cloud with Microsoft System Center 2012 R2 Virtual Machine Manager</p> <ul style="list-style-type: none"> • Overview of VMM Architecture and Components • Configuring Advanced Networking in VMM • Installing and Upgrading VMM • Configuring VMM Security and Roles • Understanding Host Groups <p>Lesson 3: Extending and Maintaining Cloud Infrastructure</p> <ul style="list-style-type: none"> • 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 <p>Lesson 4: Configuring Application Delivery</p> <ul style="list-style-type: none"> • Dynamic Application Deployment Overview • Web Deployment Packages • Server Application Virtualization Overview • Configuring Server App-V Components • Sequencing and Deploying Virtual Applications <p>Lesson 5: Creating the Private Cloud Building Blocks</p> <ul style="list-style-type: none"> • Configuring Guest Operating System Profiles • Configuring Hardware Profiles • Configuring SQL Server Using SQL Server Profiles • Configuring Application Profiles • Configuring Virtual Machine Templates • Configuring Service Provider Foundation • Configuring User Roles 	<p>Lesson 6: Deploying and Configuring Access to a Private Cloud</p> <ul style="list-style-type: none"> • Understanding Private Cloud Computing • Installing and Configuring App Controller • Creating and Managing Service Templates <p>Lesson 7: Monitoring Cloud Infrastructure</p> <ul style="list-style-type: none"> • Operations Manager Architecture and Security • Operations Manager Installation Considerations • Configuring User Roles and Notifications • Configuring Management Packs • Configuring Integration with System Center 2012 R2 <p>Lesson 8: Extending and Customizing Monitoring of the Cloud Infrastructure</p> <ul style="list-style-type: none"> • Configuring System Center Advisor • Configuring the SharePoint Server Portal • Monitoring Templates • Distributed Application Monitoring <p>Lesson 9: Implementing Service Management for the Cloud</p> <ul style="list-style-type: none"> • Service Manager Architecture Overview • Upgrading to System Center 2012 R2 Service Manager • Understanding Service Manager Work Items • Configuring Service Manager Connectors • Configuring Service Manager Notifications <p>Lesson 10: Configuring High Availability, Disaster Recovery and Protection for a Cloud</p> <ul style="list-style-type: none"> • Planning for Azure Site Recovery • Planning DPM Deployment • DPM Architecture and Components • Upgrading DPM • Configuring DPM for the Private Cloud • Configuring Application Protection for a Cloud • Restoring Applications to the Cloud <p>Lesson 11: Automating and Standardizing a Cloud</p> <ul style="list-style-type: none"> • Orchestrator Architecture and Components Overview • Deploying and Configuring Core Components • Managing Runbooks • Configuring Integration Packs <p>Lesson 12: Configuring a Self-Service Multi-Tenant Cloud with the Windows Azure Pack</p> <p>Configuring the Windows Azure Pack</p>
---	---