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# Microsoft 70-247: Configuring and Deploying a Private Cloud 2012

## Module 1: Designing For The Cloud

- Introduction
- Designing The Cloud
- Reason For Using The Cloud
- Choosing The Right Cloud Model
- Designing Private Clouds
- Overview Of Virtualization Components
- Windows Server 2012 R2 And Hyper-V
- System Center 2012 R2 - Part 1
- System Center 2012 R2 - Part 2
- Deploying Highly Available Hyper-V Hosts

## Module 2: Using System Center Virtual Machine Manager R2

- Overview Of Virtual Machine - Part 1
- Overview Of Virtual Machine - Part 2
- Deploying VMM
- Configuring Role Based Access Control
- Managing Hosts
- Configuring Networking - Part 1
- Configuring Networking - Part 2
- Configuring Storage

## Module 3: Deploying And Maintaining Fabric Resources

- Extending And Maintaining The Cloud Infrastructure
- Deploying Hyper-V Host Servers - Part 1
- Deploying Hyper-V Host Servers - Part 2
- Providing Patch Management For Fabric Resources - Part 1
- Providing Patch Management For Fabric Resources - Part 2

## Module 4: Building The Private Cloud

- Creating Building Blocks For The Private Cloud - Part 1
- Creating Building Blocks For The Private Cloud - Part 2
- Creating Virtual Machine Templates
- Creating A Private Cloud
- Creating And Deploying Applications - Part 1
- Creating And Deploying Applications - Part 2
- Creating And Deploying Applications - Part 3

Creating And Configuring Services - Part 1  
Creating And Configuring Services - Part 2  
Configuring Access To The Private Cloud

## Module 5: Monitoring And Optimizing The Private Cloud

Overview Of Operations Manager  
Installing Operations Manager  
Deploying Monitoring Agents  
Configuring Access To Operations Manager  
Creating And Configuring Management Packs  
Configuring System Center Integration  
Extending And Optimizing Monitoring - Part 1  
Extending And Optimizing Monitoring - Part 2

## Module 6: Planning And Deploying Service Management

Overview Of Service Manager  
Deploying Service Manager  
Service Manager Work Items - Part 1  
Service Manager Work Items - Part 2  
Service Manager Work Items - Part 3  
Service Manager Notifications  
System Center Integration - Part 1  
System Center Integration - Part 2

## Module 7: Automating And Standardizing The Private Cloud

Overview Of Orchestrator  
Deploying Automation Using Orchestrator  
Configuring Integration Packs  
Configuring And Managing Runbooks

## Module 8: Disaster Recovery And High Availability For The Private Cloud

Overview Of Data Protection Manager  
Planning For Data Protection Manager  
Deploying Data Protection Manager  
Configuring Protection For The Private Cloud  
Configuring Protection For Applications - Part 1  
Configuring Protection For Applications - Part 2  
Hyper-V Recovery Manager

## Module 9: Implementing Self-Service Multi-Tenant Private Clouds

Implementing The Cloud Services Process Pack - Part 1  
Implementing The Cloud Services Process Pack - Part 2  
Service Provider Foundation  
Configuring The Windows Azure Pack  
Conclusion