



Vendor: Microsoft

Exam Code: 70-247

Exam Name: Configuring and Deploying a Private Cloud
with System Center 2012

Version: DEMO

Added New Woodgrove Bank and Datum corporation Case Study

Case Study 1 - Contoso Ltd (Question 69 - Question 82)

Case Study 2 - Trey Research (Question 83 - Question 96)

Case Study 3 - Proseware Inc (Question 97 - Question 108)

Case Study 4 - Litware Inc (Question 109 - Question 121)

Case Study 5 - Northwind Traders (Question 137 - Question 145)

Case Study 6 - Fabrikam, Inc (Question 159 - Question 168)

Case Study 7 - Woodgrove Bank (Question 205 - Question 211)

Exist Environment

Active Directory Environment

The network contains a single Active Directory production forest named woodgrovebank.com. Currently, there is no trust relationship between the Active Directory forests of Woodgrove Bank and Contoso.

Network Environment

Woodgrove Bank has a perimeter network that hosts Internet-facing servers. Woodgrove Bank uses Hyper-V Network Virtualization to isolate its production, development, and test environments. Woodgrove Bank has a Microsoft Azure subscription.

Case Study 8 – A.Datum corporation (Question 212 - Question 224)

Overview

A. Datum Corporation is a consulting company that has two offices. The offices are located in Seattle and Los Angeles.

Existing Environment

Active Directory

The network contains a single-domain Active Directory forest named adatum.com. All of the users in the research department are members of a group named Research.

QUESTION 1

You need to recommend a solution to deploy App1 to meet the application requirements. What should you include in the recommendation?

- A. Modify the Application Configuration settings of the App1 service template to include settings enclosed by @.
- B. Configure the custom properties of the App1 service template.
- C. Modify the App1 service template.
- D. Modify the Application Configuration settings of the App1 service template to include settings followed by #.

Answer: B

Explanation:

An application package can contain settings to be entered when you configure the service for deployment.

To format this type of setting, enter the parameter in the Value field, in this format:

@<SettingLabel>@. For example, you might prompt for the instance name of a SQL Server for a SQL Server database tier application by using the parameter @SQLServerInstanceName@.

Scenario: Deploy five instances of a multi-tier application named App1 by using a VMM service template.

Each instance will have different deployment settings.

Reference: How to Create an Application Profile in a Service Deployment

<https://technet.microsoft.com/en-us/library/hh427291.aspx>

QUESTION 2

Drag and Drop Questions

You have a deployment of System Center 2012 R2 Virtual Machine Manager (VMM).

You have two virtual machines named Server1 and Server2 that run Windows Server 2012 R2.

You have an application named Appl.

You plan to deploy App1 to Server1 as an Application Virtualization (App-V) package.

You need to install the required components to deploy App1 to Server1.

Which component should you install on each server? To answer, drag the appropriate components to the correct servers. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Components	Answer Area
Application Integration Framework (AIF)	Server1: <input type="text" value="Component"/>
Monitoring Pack for App-V	Server2: <input type="text" value="Component"/>
Server App-V Agent	
Server App-V Sequencer	
VMM agent	

Answer:

Components	Answer Area
Application Integration Framework (AIF)	Server1: <input type="text" value="Server App-V Agent"/>
Monitoring Pack for App-V	Server2: <input type="text" value="Server App-V Sequencer"/>
Server App-V Agent	
Server App-V Sequencer	
VMM agent	

QUESTION 3

You are the virtualization administrator for an organization. The organization uses all components of System Center 2012 R2 in the production environment. A power supply in a Hyper-v host server fails. The host server continues to run and host virtual machines in this degraded state.

You have the following requirements:

- Move virtual machines from host servers that are running in a degraded state to another host server.
- Prevent placement of new virtual machines on degraded host servers.

You need to configure the environment.

Which System Center feature should you implement?

- A. Dynamic Optimization
- B. Performance and Resource Optimization (PRO)
- C. Shared VHDX files
- D. Placement Rules

Answer: B

QUESTION 4

Hotspot Question

You need to design the Orchestrator infrastructure to meet the manageability requirements.

The design must minimize costs.

How many of each component should you include in the design? To answer, select the appropriate options in the answer area.

Management server:	0 1 2
Orchestration console:	0 1 2
Orchestrator database:	0 1 2
Orchestrator web service:	0 1 2
Runbook server:	0 1 2

Answer:

Management server:	<div>0</div> <div>1</div> <div>2</div>
Orchestration console:	<div>0</div> <div>1</div> <div>2</div>
Orchestrator database:	<div>0</div> <div>1</div> <div>2</div>
Orchestrator web service:	<div>0</div> <div>1</div> <div>2</div>
Runbook server:	<div>0</div> <div>1</div> <div>2</div>

QUESTION 5

You need to configure Server1 to meet the cloud infrastructure requirements.
What should you do?

- A. Reinstall VMM.
- B. Create a mirrored volume.
- C. Install the Storage Replica feature.
- D. Create a storage space and use the mirror resiliency type.

Answer: C

Explanation:

Storage Replica (SR) is a new feature that enables storage-agnostic, block-level, synchronous replication between servers for disaster recovery, as well as stretching of a failover cluster for high availability.

Synchronous replication enables mirroring of data in physical sites with crash-consistent volumes ensuring zero data loss at the file system level. Asynchronous replication allows site extension beyond metropolitan ranges with the possibility of data loss.

Scenario:

* Server1 is in a private cloud in the Seattle Office

* Infrastructure requirements include:

Ensure that all of the private cloud components are highly available.

Reference: Getting started with Storage Replica in Windows Server Technical Preview

<http://blogs.technet.com/b/craigf/archive/2014/10/04/getting-started-with-storage-replica-in-windows-server-technical-preview.aspx>

QUESTION 6

Hotspot Question

You need to prepare the environment to ensure that maintenance mode can be implemented to meet the cloud manageability requirements.

What should you do on Server1 and Server2? To answer, select the appropriate options in the answer area.

Answer Area

Server1:

- Import the management packs.
- Install the Operations Manager console.
- Configure Dynamic Optimization for All Hosts.
- Install the System Center 2012 Integration Pack for System Center 2012 R2 Operations Manager.

Server2:

- Add a new subscription.
- Install the VMM console.
- Import the management packs.
- Install the System Center 2012 Integration Pack for System Center 2012 R2 Virtual Machine Manager.

Answer:

Answer Area

Server1:

- Import the management packs.
- Install the Operations Manager console.
- Configure Dynamic Optimization for All Hosts.
- Install the System Center 2012 Integration Pack for System Center 2012 R2 Operations Manager.

Server2:

- Add a new subscription.
- Install the VMM console.
- Import the management packs.
- Install the System Center 2012 Integration Pack for System Center 2012 R2 Virtual Machine Manager.

Explanation:

Pre-reqs to cover:

PowerShell 2.0 should be on all servers as they should be Server 2008 R2 SP1 or later. Install the OpsMgr Console on the SCVMM server (Server1 here). This is needed for the SDK binaries for SCOM connections

Ensure you have the IIS and SQL MP's in place in SCOM (Server 2 here), as SCVMM MP's have dependencies.

Scenario:

* If VMM puts a Hyper-V host into maintenance mode, Operations Manager must put the Hyper-V

host into maintenance mode automatically.

* Server1: System Center 2012 R2 Virtual Machine Manager (VMM)

* Server2: System Center 2012 R2 Operations Manager

Reference: Integrating VMM 2012 and OpsMgr 2012

<http://blogs.technet.com/b/kevinholman/archive/2012/08/21/integrating-vmm-2012-and-opsmgr-2012.aspx>

QUESTION 7

You have a System Center 2012 R2 Virtual Machine Manager (VMM) library. The library contains three Guest OS profiles.

The profiles are configured as shown in the following table.

Profile name	Operating system
OSProfile1	32-bit version of Windows Server 2008 Standard
OSProfile2	64-bit version of Windows Server 2008 R2 Standard
OSProfile3	Windows Server 2012 R2 Standard

The library contains two Hardware profiles. The profiles are configured as shown in the following table.

Profile name	Configuration
HWPProfile1	Secure Boot enabled
HWPProfile2	Legacy network adapter

You plan to create a Generation 1 virtual machine template.

You need to identify which profile CANNOT be used in the new template.

Which template should you identify?

- A. OSProfile3
- B. OSProfile1
- C. HWPProfile2
- D. OSProfile2
- E. HWPProfile1

Answer: E

QUESTION 8

You are creating a Server Application Virtualization (Server App-V) package named Package1 of an application named Appl. Package1 will be included in a System Center 2012 R2 Virtual Machine Manager (VMM) service template.

You need to configure Package1 to ensure that you can modify the settings of App1 from the properties of the service template.

What should you do?

- A. From the Server App-V Sequencer, click Add Deployment Configuration Item.
- B. Modify the SFT file of Package1.
- C. From the Server App-V Sequencer, configure the Properties of the package.

D. Modify the Open Software Description (OSD) file of Package1.

Answer: A

QUESTION 9

Your network contains an Active Directory domain named contoso.com. The domain contains two member servers named Server1 and Server2 that run Windows Server 2012 R2. Server1 has System Center 2012 R2 Virtual Machine Manager (VMM) installed. Server2 has the IP Address Management (IPAM) feature installed.

You need to ensure that address spaces created in VMM are visible in IPAM.
What should you do?

- A. From Windows PowerShell, run the Add-SCNetworkConnectioncmdlet.
- B. From the Virtual Machine Manager console, configure the System Center Settings.
- C. From Windows PowerShell, run the Add-SCNetworkServicecmdlet.
- D. From the Virtual Machine Manager console, create a service.

Answer: C

Explanation:

In VMM, network services include gateways, virtual switch extensions, network managers (which include IPAM servers), and top-of-rack (TOR) switches

QUESTION 10

You need to meet the cloud infrastructure requirements for the servers in the perimeter network of the Seattle office.

Which port should you allow on the firewall?

- A. 443
- B. 5723
- C. 5986
- D. 8531

Answer: B

Explanation:

Port 5723 is used by the Operation Manager Reporting server (and Management Server), which is used for Monitoring.

Scenario:

* Ensure that the servers in the perimeter network of the Seattle office can be monitored by using Operations Manager.

* . Server7 is located in the perimeter network of the Seattle office.

Reference: System Requirements: System Center 2012 - Operations Manager

<https://technet.microsoft.com/en-us/library/jj656649.aspx>

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