



# Microsoft

## Exam Questions 70-414

Implementing an Advanced Server Infrastructure

Version:Demo

1. Your network contains a Hyper-V host named Host1. Host1 hosts 25 virtual machines. All of the virtual machines are configured to start automatically when Host1 restarts. You discover that some of the virtual machines fail to start automatically when Host1

restarts and require an administrator to start them manually.

You need to modify the settings of the virtual machines to ensure that they automatically restart when Host1 restarts.

Which settings should you modify?

- A. Maximum RAM
- B. Minimum RAM
- C. Memory weight
- D. Startup RAM

**Answer: D**

2. You manage a Hyper-V 2012 cluster by using System Center Virtual Machine Manager 2012 SP1. You need to ensure high availability for business-critical virtual machines (VMs) that host business-critical SQL Server databases.

Solution: You set the memory-weight threshold value to High for each business-critical VM, Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

3. You have a Windows Server 2012 R2 failover cluster that contains four nodes. Each node has four network adapters. The network adapters on each node are configured as shown in the following table.

Network adapter name	Cluster network	Link speed
NIC1	ClusterNetwork1	1 Gbps
NIC2	ClusterNetwork2	1 Gbps
NIC3	ClusterNetwork3	1 Gbps
NIC4	ClusterNetwork4	10 Gbps

NIC4 supports Remote Direct Memory Access (RDMA) and Receive Side Scaling (RSS). The cluster networks are configured as shown in the following table.

Cluster network name	Metric	Role
ClusterNetwork1	39984	1
ClusterNetwork2	39983	1
ClusterNetwork3	79984	3
ClusterNetwork4	79840	3

You need to ensure that ClusterNetwork4 is used for Cluster Shared Volume (CSV) redirected traffic.

What should you do?

- A. Set the metric of ClusterNetwork4 to 90,000 and disable SMB Multichannel.
- B. On each server, replace NIC4 with a 1-Gbps network adapter.
- C. Set the metric of ClusterNetwork4 to 30,000 and disable SMB Multichannel.
- D. On each server, enable RDMA on NIC4.

**Answer: C**

4. Your network contains an Active Directory domain named contoso.com.

You deploy Active Directory Certificate Services (AD CS).

Your company, which is named Contoso, Ltd., has a partner company named Fabrikam, Inc. Fabrikam also deploys AD CS.

Contoso and Fabrikam plan to exchange signed and encrypted email messages.

You need to ensure that the client computers in both Contoso and Fabrikam trust each other's email certificates. The solution must prevent other certificates from being trusted and minimize administrative effort.

What should you do?

More than one answer choice may achieve the goal. Select the BEST answer.

- A. Implement an online responder in each company.
- B. Exchange the root certification authority (CA) certificates of both companies, and then deploy the certificates to the Enterprise Trust store by using Group Policy objects (GPOs).
- C. Implement cross-certification in each company.
- D. Exchange the root certification authority (CA) certificates of both companies, and then deploy the certificates to the Trusted Root Certification Authorities store by using Group Policy objects (GPOs).

**Answer: C**

5. You have a System Center 2012 R2 Configuration Manager deployment.

All users have client computers that run Windows 8.1. The users log on to their client computer as standard users.

An application named App1 is deployed to the client computers by using System Center.

You need to recommend a solution to validate a registry key used by App1. If the registry key has an incorrect value, the value must be changed. The registry key must be validated every day. The solution must generate a report on non-compliant computers.

What is the best approach to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. Group Policy preferences
- B. A desired configuration baseline
- C. The Windows PowerShell Desired State Configuration (DSC) feature
- D. The Microsoft Baseline Security Analyzer (MBSA)

**Answer: B**

6. Your network contains an Active Directory domain named contoso.com. The network has an Active Directory Certificate Services (AD CS) infrastructure.

You need to issue a certificate to users to meet the following requirements:

. Ensure that the users can encrypt files by using Encrypting File System (EFS). . Ensure that all of the users reenroll for their certificate every six months.

Solution: You create a copy of the Basic EFS certificate template, and then you modify the validity period of the copy.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

7. Your network contains a Hyper-V cluster named Cluster1.

You install Microsoft System Center 2012 Virtual Machine Manager (VMM).

You create a user account for another administrator named User1.

You plan to provide User1 with the ability to manage only the virtual machines that User1

creates.

You need to identify what must be created before you delegate the required permissions.

What should you identify?

- A. A service template
- B. A Delegated Administrator
- C. A cloud
- D. A host group

**Answer: D**

#### 8. HOTSPOT

Your network contains five physical servers. The servers are configured as shown in the following table.

Server name	Role
DC1	Domain controller DHCP server DNS server
SQL1	Microsoft SQL Server 2012 database server
DPM1	Microsoft System Center 2012 R2 Data Protection Manager (DPM)
Server1	Microsoft System Center 2012 R2 Virtual Machine Manager (VMM) management server
Server2	Microsoft System Center 2012 R2 Virtual Machine Manager (VMM) library server

All servers run Windows Server 2012 R2.

During the setup of VMM, you configure distributed key management.

You need to ensure that the entire VMM infrastructure can be restored.

What should you include in the backup plan? To answer, select the appropriate server to back up for each backup content type in the answer.

**Answer Area**

System state:

VMM databases:

All disk volumes:

**Answer Area**

System state:   
DC1  
Server1  
Server2  
SQL1

VMM databases:   
DC1  
Server1  
Server2  
SQL1

All disk volumes:   
DC1  
Server1  
Server2  
SQL1

**Answer:**

**Answer Area**

System state:   
DC1  
Server1  
Server2  
SQL1

VMM databases:   
DC1  
Server1  
Server2  
SQL1

All disk volumes:   
DC1  
Server1  
Server2  
SQL1

9. Your network contains an Active Directory domain named contoso.com. The domain contains 200 servers

that run either Windows Server 2012 R2, Windows Server 2012, or Windows Server 2008 R2. The servers run the following enterprise applications:

- . Microsoft Exchange Server 2013
- . Microsoft SQL Server 2014

System Center 2012 R2 Operations Manager is deployed to the domain. Operations Manager monitors all of the servers in the domain. Audit Collection Services (ACS) is installed.

You need to recommend a monitoring strategy for the domain that meets the following requirements:

- . A group of administrators must be notified when an error is written to the System log on the servers that run Exchange Server 2013.
- . A group of administrators must be notified when a specific event is written to The Application log on the servers that run SQL Server 2014.

What is the best approach to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. From Operations Manager, enable audit collection.
- B. From Operations Manager, implement two monitors.
- C. From Computer Management, implement one event subscription.
- D. From Operations Manager, implement two rules.

**Answer: D**

10. You administer a group of servers that run Windows Server 2012 R2.

You must install all updates. You must report on compliance with the update policy on a monthly basis.

You need to configure updates and compliance reporting for new devices.

What should you do?

- A. Deploy the Microsoft Baseline Security Analyzer. Scan the servers and specify the /apply switch.
- B. In Configuration Manager, deploy a new Desired Configuration Management baseline that includes all required updates.
- C. Configure a new group policy to install updates monthly. Deploy the group policy to all servers.
- D. In Operations Manager, create an override that enables the software updates management pack. Apply the new override to the servers.

**Answer: C**

11. Your company has a human resources department a finance department, a sales department and an

R&D department.

The company audits the access of documents that contain department-specific sensitive information.

You are planning an administrative model for the departments to meet the following requirements:

- . Provide R&D managers with the ability to back up all the files of their department only.
- . Provide finance managers with the ability to view the audit logs for the files of their department only.
- . Provide human resources managers with the ability to view the audit logs for the files of their department only.
- . Provide sales managers with the ability to modify the permissions on all the shared folders of their department only.

You need to identify the minimum amount of file servers required on the network to meet the requirements of each department.

How many file servers should you identify?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer: C**

## 12. DRAG DROP

Your network contains an Active Directory domain named contoso.com. The domain contains multiple servers that are configured as Hyper-V hosts.

You plan to implement four virtual machines. The virtual machines will be configured as shown in the following table.

Virtual machine name	Configuration
VM1	Will host several shared folders that are accessed by users on the network.
VM2	Will be migrated to a host on the public cloud by using live migration.
VM3	Will run processes that must only be able to connect to shared resources on other virtual machines on the local Hyper-V host.
VM4	Will run processes that must only be able to connect to shared resources on the local Hyper-V host.

You need to identify which network must be added to each virtual machine.

Which network types should you identify?



To answer, drag the appropriate Network Type to the correct virtual machine in the answer area. Each Network Type may be used once, more than once, or not at all. Additionally, you may need to drag the split bar between panes or scroll to view content.

Network Types	Answer Area
Private	VM1 Network
Internal	VM2 Network
External	VM3 Network
	VM4 Network

**Answer:**

Network Types	Answer Area
Private	VM1 External
Internal	VM2 External
External	VM3 Private
	VM4 Internal

13. Your network contains the following:

- . 20 Hyper-V hosts
- . 100 virtual machines
- . 2,000 client computers

You need to recommend an update infrastructure design to meet the following requirements:

- . Deploy updates to all of the virtual machines and the client computers from a single console. . Generate

reports that contain a list of the applied updates.

What should you recommend? More than one answer choice may achieve the goal. Select the BEST answer.

- A. One Windows Server Update Services (WSUS) server integrated with Microsoft System Center 2012 Configuration Manager and a second WSUS server that is integrated with Microsoft System Center 2012 Virtual Machine Manager (VMM)
- B. One Windows Server Update Services (WSUS) server integrated with Microsoft System Center 2012 Virtual Machine Manager (VMM)
- C. One Windows Server Update Services (WSUS) server integrated with Microsoft System Center 2012 Configuration Manager, a second WSUS server integrated with Microsoft System Center 2012 Virtual Machine Manager (VMM), and a third standalone WSUS server.
- D. One Windows Server Update Services (WSUS) server integrated with Microsoft System Center 2012 Configuration Manager and Microsoft System Center 2012 Virtual Machine Manager (VMM)

**Answer: D**

#### 14. DRAG DROP

Your network contains two servers named Server1 and Server2 that run Windows Server 2012.

Server1 has the iSCSI Target Server role service installed and is configured to have five iSCSI virtual disks.

You install the Multipath I/O (MPIO) feature on Server2. From the MPIO snap-in, you add support for iSCSI devices.

You need to ensure that Server2 can connect to the five iSCSI disks. The solution must ensure that Server2 uses MPIO to access the disks.

Which three actions should you perform?

To answer, move the three appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
On Server1, add the initiator ID of Server2.	
On Server2, from the iSCSI Initiator Properties, run Quick Connect.	
On Server1, from the iSCSI Initiator Properties, click <b>Connect</b> , and then select <b>Enable multi-path</b> .	
On Server2, install the iSCSI Target Server role service.	
On Server2, from the iSCSI Initiator Properties, click <b>Connect</b> , and then select <b>Enable multi-path</b> .	

**Answer:**

Actions	Answer Area
On Server1, add the initiator ID of Server2.	On Server1, add the initiator ID of Server2.
On Server2, from the iSCSI Initiator Properties, run Quick Connect.	
On Server1, from the iSCSI Initiator Properties, click <b>Connect</b> , and then select <b>Enable multi-path</b> .	On Server2, from the iSCSI Initiator Properties, run Quick Connect.
On Server2, install the iSCSI Target Server role service.	
On Server2, from the iSCSI Initiator Properties, click <b>Connect</b> , and then select <b>Enable multi-path</b> .	On Server2, from the iSCSI Initiator Properties, click <b>Connect</b> , and then select <b>Enable multi-path</b> .

15. An organization uses an Active Directory Rights Management Services (AD RMS) cluster named RMS1 to protect content for a project. You uninstall AD RMS when the project is complete. You need to ensure that the protected content is still available after AD RMS is uninstalled.

Solution: You add the backup service account to the SuperUsers group and back up the protected content. Then, you restore the content to a file server and apply the required NTFS permissions to the files.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

16. You need to ensure that the developers can manage their own virtual machines.

Solution: You perform the following actions:

. In Virtual Machine Manager, you create a new user role named DevUsers that uses the Application Administrator profile. . You create and publish a request offering that allows the DevUsers role to create

checkpoints.

. You grant Checkpoint permissions to the DevUsers role.

. You distribute the Self-Service portal to the developers.

Does this meet the goal?

- A. Yes
- B. No

**Answer: A**

Explanation: Virtual Machine Manager Self-Service Portal The VMM Self-Service Portal is an optional, Web-based component that a VMM administrator can install and configure to allow users to create and manage their own virtual machines within a controlled environment on a limited group of virtual machine hosts. The VMM administrator creates self-service user roles which determine the scope of the users' actions on their own virtual machines. To create, operate, and manage virtual machines, self-service users use the Virtual Machine Manager Self-Service Portal. The administrator determines which host groups self-service users can create virtual machines on. When a self-service user creates a virtual machine, the virtual machine is automatically placed on the most suitable host in the host group based on host ratings.

Reference: Overview of Virtual Machine Manager

<https://technet.microsoft.com/en-us/library/cc764267.aspx>

17. You need to configure migration for HV-CLUSTER1. What should you do?

- A. Use live migration between HV-Cluster1 and HV-Cluster3.
- B. Configure a Hyper-V replica between HV-Cluster1 and HV-Cluster3.
- C. Configure a Hyper-V replica between HV-Cluster1 and HV-Cluster4.
- D. Use live migration between HV-Cluster1 and HV-Cluster4.

**Answer: C**

18. Your network contains an Active Directory domain named contoso.com.

You plan to deploy an Active Directory Federation Services (AD FS) farm that will contain eight federation servers.

You need to identify which technology or technologies must be deployed on the network before you install the federation servers.

Which technology or technologies should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Network Load Balancing (NLB)
- B. Microsoft Forefront Identity Manager (FIM) 2010
- C. The Windows Internal Database feature
- D. Microsoft SQL Server 2012
- E. The Windows Identity Foundation 3.5 feature

**Answer: A,D**

Explanation: Best practices for deploying a federation server farm We recommend the following best practices for deploying a federation server in a production environment:

- \* (A) Use NLB or some other form of clustering to allocate a single IP address for many federation server computers.
- \* (D) If the AD FS configuration database will be stored in a SQL database, avoid editing the SQL database from multiple federation servers at the same time.
- \* If you will be deploying multiple federation servers at the same time or you know that you will be adding more servers to the farm over time, consider creating a server image of an existing federation server in the farm and then installing from that image when you need to create additional federation servers quickly.
- \* Reserve a static IP address for each federation server in the farm and, depending on your Domain Name System (DNS) configuration, insert an exclusion for each IP address in Dynamic Host Configuration Protocol (DHCP). Microsoft NLB technology requires that each server that participates in the NLB cluster be assigned a static IP address.

Reference: When to Create a Federation Server Farm

19. Your Active Directory currently contains five virtualized domain controllers that run Windows Server 2012 R2.

The system state of each domain controller is backed up daily. The backups are shipped to a remote location weekly.

Your company recently implemented a disaster recovery site that contains several servers. The servers run Windows Server 2012 R2 and have the Hyper-V server role installed. The disaster recovery site has a high-speed WAN link to the main office.

You need to create an Active Directory recovery plan that meets the following requirements:

- . Restores the Active Directory if a catastrophe prevents all access to the main office.
- . Minimizes data loss.

What should you include in the plan?

- A. Hyper-V replicas
- B. Live migration
- C. Virtual machine checkpoints
- D. System state restores

**Answer:** A

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