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Vendor:Microsoft

Exam Code:70-414

Exam Name:Implementing an Advanced Server
Infrastructure

Version:Demo

QUESTION 1

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

You currently have an intranet web site that is hosted by two Web servers named Web1 and Web2. Web1 and Web2 run Windows Server 2012.

Users use the name intranet.contoso.com to request the web site and use DNS round robin.

You plan to implement the Network Load Balancing (NLB) feature on Web1 and Web2.

You need to recommend changes to the DNS records for the planned implementation.

What should you recommend?

- A. Delete one of the host (A) records named Intranet. Modify the remaining host (A) record named Intranet.
- B. Delete both host (A) records named Intranet. Create a pointer (PTR) record for each Web server.
- C. Create a new host (A) record named Intranet. Remove both host (A) records for Web1 and Web2.
- D. Create a service locator (SRV) record. Map the SRV record to Intranet.

Correct Answer: A

QUESTION 2

You need to recommend a solution for updating the virtualization hosts. The solution must meet the virtualization requirements. What should you include in the recommendation?

- A. Cluster-Aware Updating
- B. WSUS
- C. System Center Updates Publisher 2011
- D. System Center 2012 Configuration Manager

Correct Answer: A

Business Requirements	Technical Requirements	Virtualization Requirements	All
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The company identifies the following virtualization requirements:

- Minimize the number of permissions and privileges assigned to users.
- Ensure that the members of a group named Group2 can add a WSUS server to the fabric.
- Ensure that a diagram view of the virtualization environment can be generated dynamically.
- Minimize the amount of administrative effort required to manage the virtualization environment.
- Prevent the failure of a front-end web server from affecting the availability of the CRM application.
- Ensure that the members of a group named Group1 can create new virtual machines in the Los Angeles office only.
- Only create virtual machine templates by using objects that already exist in the System Center 2012 Virtual Machine Manager (VMM) library.
- On the failover cluster in the main office, apply limited distribution release (LDR) updates to the virtualization hosts without disrupting the virtual machines hosted on the virtualization hosts.

Cluster-Aware Updating Overview

2 out of 2 rated this helpful - Rate this topic

Published: February 29, 2012

Updated: August 15, 2012

Applies To: Windows Server 2012

This topic provides an overview of Cluster-Aware Updating (CAU), a new feature for failover clusters in Windows Server 2012 that automates the software updating process on clustered servers while maintaining availability. It describes scenarios and applications for using CAU, and provides links to content that details how to integrate CAU into other IT automation and management processes.

<http://technet.microsoft.com/en-us/magazine/ee677580.aspx>

QUESTION 3

Your network contains five servers that run Windows Server 2012 R2.

You install the Hyper-V server role on the servers. You create an external virtual network switch on each server.

You plan to deploy five virtual machines to each Hyper-V server. Each virtual machine will have a virtual network adapter that is connected to the external virtual network switch and that has a VLAN identifier of 1.

Each virtual machine will run Windows Server 2012 R2. All of the virtual machines will run the identical web application.

You plan to install the Network Load Balancing (NLB) feature on each virtual machine and join each virtual machine to an NLB cluster. The cluster will be configured to use unicast only.

You need to ensure that the NLB feature can distribute connections across all of the virtual machines.

Solution: On each Hyper-V server, you create a new private virtual network switch. From the properties of each virtual machine, you add a second virtual network adapter and connect the new virtual network adapters to the new private virtual

network switches.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 4

You have a server named Host1 that runs Windows Server 2012 and has the Hyper-V server role installed.

Host1 has one physical network adapter. You plan to deploy 15 virtual machines on Host1.

You need to implement a networking solution that ensures that all of the virtual machines use PXE to boot when they connect to Windows Deployment Server (WDS).

What should you do?

- A. Install legacy network adapters for each virtual machine.
- B. Modify the settings of the virtual switch.
- C. Modify the settings of the network adapter for each virtual machine.
- D. Install a second physical network adapter.

Correct Answer: A

Since Windows Server 2012 R2 (WS2012 R2) Hyper-V and Windows 8.1 Client Hyper-V, there are two generations of virtual machine hardware specification. Generation 1 virtual machines (the only generation on legacy versions of Hyper-V) make things a little tricky when it comes to PXE booting. The default (and better performing) synthetic Network Adapter (that leverages the Hyper-V integration components) does not support booting off of the network in Generation 1 virtual machines. If you do want to boot this type of virtual hardware using PXE then you must add an emulated Legacy Network Adapter.

References: <https://www.petri.com/boot-hyper-v-virtual-machine-using-pxe>

QUESTION 5

You need to recommend which Certificate Services role service must be deployed to the perimeter network. The solution must meet the security requirements. Which Certificate Services role services should you recommend?

- A. Online Responder and Network Device Enrollment Service
- B. Online Responder and Certificate Enrollment Web Service
- C. Certificate Enrollment Web Service and Certificate Enrollment Policy Web Service
- D. Certificate Enrollment Policy Web Service and Certification Authority Web Enrollment

Correct Answer: C

Explanation/Reference:

Planned Changes	Notification Requirements	Technical Requirements	Security Requirements	AI
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A. Datum identifies the following technical requirements:

- Minimize costs whenever possible.
- Minimize the amount of WAN traffic.
- Minimize the amount of administrative effort whenever possible.
- Provide the fastest possible failover for the virtual machines hosting App2.
- Ensure that administrators can view a consolidated report about the software updates in all of the offices.
- Ensure that administrators in the Miami office can approve updates for the client computers in all of the offices.

Certificate Enrollment Policy Web Service Overview

2 out of 8 rated this helpful - Rate this topic

Applies To: Windows Server 2008 R2

The Certificate Enrollment Policy Web Service is an Active Directory Certificate Services (AD CS) role service that enables users and computers to obtain certificate enrollment policy information. Together with the Certificate Enrollment Web Service, this enables policy-based certificate enrollment when the client computer is not a member of a domain or when a domain member is not connected to the domain.

The Certificate Enrollment Policy Web Service uses the HTTPS protocol to communicate certificate policy information to network client computers. The Web service uses the LDAP protocol to retrieve certificate policy from Active Directory Domain Services (AD DS) and caches the policy information to service client requests. In previous versions of AD CS, certificate policy information can be accessed only by domain client computers that are using the LDAP protocol. This limits policy-based certificate issuance to the trust boundaries established by AD DS forests.

Publishing enrollment policy over HTTPS enables the following new deployment scenarios:

- Certificate enrollment across forest boundaries to reduce the number of certification authorities (CAs) in an enterprise.
- Extranet deployment to issue certificates to mobile workers and business partners.

<http://technet.microsoft.com/en-us/library/dd759230.aspx>

QUESTION 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: From the properties of the Basic EFS template, you assign the Allow - Enroll permission to the Authenticated Users group.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 7

You have an Active Directory domain named adatum.com. The domain contains a Microsoft System Center 2012 infrastructure. All servers run Windows Server 2012.

You have a server named VMM1 that has Virtual Machine Manager (VMM) installed. VMM1 manages 15 Hyper-V hosts.

You deploy a Windows Server Update Services (WSUS) server named WSUS1.

You need to automate the remediation of non-compliant Hyper-V hosts. The solution must minimize the amount of time that virtual machines are unavailable.

What should you do first?

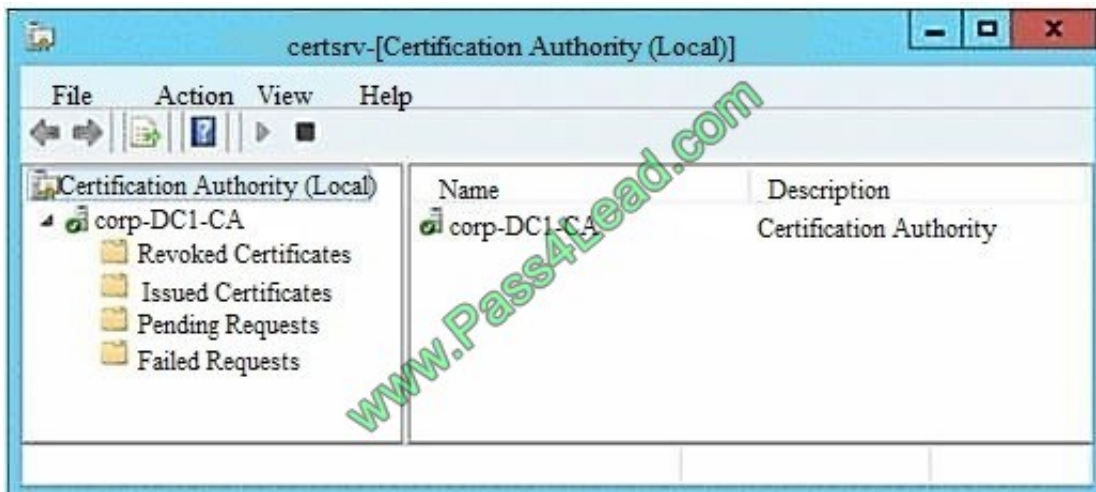
- A. Configure the Hyper-V hosts to download Windows updates from WSUS1 by using a Group Policy object (GPO).
- B. Install the WSUS Administration console on VMM1, and then add WSUS1 to the fabric.
- C. Install the Virtual Machine Manager console on WSUS1, and then add WSUS1 to the fabric.
- D. Configure the Hyper-V hosts to download Windows updates from VMM1 by using a Group Policy object (GPO).

Correct Answer: B

QUESTION 8

Your network contains an Active Directory domain named contoso.com. The network contains two servers named Server1 and Server2.

You deploy Active Directory Certificate Services (AD CS). The certification authority (CA) is configured as shown in the exhibit. (Click the Exhibit button).



You need to ensure that you can issue certificates based on certificate templates.

What should you do?

- A. On Server1, uninstall, and then reinstall AD CS.
- B. On Server1, install the Certificate Enrollment Policy Web Service role service.
- C. Configure Server2 as a standalone root CA.
- D. On Server1, run the Add-CertificateEnrollmentPolicy cmdlet.
- E. Configure Server2 as a standalone subordinate CA.
- F. On Server1, run the Add-CertificateEnrollmentPolicyServer cmdlet.
- G. On Server1, install the Network Device Enrollment Service role service.

Correct Answer: A

Need to reinstall the CA as an Enterprise CA.

QUESTION 9

You need to recommend which type of clustered file server and which type of file share must be used in the Hyper-V cluster that hosts App2. The solution must meet the technical requirements and the security requirements.

Solution: You recommend a scale-out file server that uses an SMB share.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: A

QUESTION 10

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

You plan to implement Network Load Balancing (NLB).

You need to identify which network services and applications can be load balanced by using NLB.

Which three services and applications should you identify?

- A. Microsoft SQL Server 2012 Reporting Services
- B. Microsoft Exchange Server 2010 Client Access servers

- C. A DHCP server
- D. Microsoft Exchange Server 2010 Mailbox server
- E. file servers
- F. Microsoft SharePoint Server 2010 front-end Web server

Correct Answer: ABF

QUESTION 11

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

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

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

Server name	Operating system	Disks	Memory	CPU
Server1	Windows Server 2008 R2 Service Pack 1 (SP1)	C: 100 GB D: 3 TB	8 GB	X64
Server2	Windows Server 2003 R2 Service Pack 2 (SP2)	C: 100 GB D: 4 TB	2 GB	X86
Server3	Windows Server 2008 R2 Service Pack 1 (SP1)	C: 500 GB D: 2.5 TB	8 GB	X64
Server4	Windows Server 2012	C: 75 GB D: 2 TB	16 GB	X64
Server5	Windows Server 2003 R2 Service Pack 2 (SP2)	C: 50 GB D: 2 TB E: 2 TB	4 GB	X86

You plan to use VMM to convert the existing physical servers to virtual machines. You need to identify which physical servers can be converted to virtual machines. Which servers should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. Server1
- B. Server2
- C. Server3
- D. Server4
- E. Server5

Correct Answer: DE

The physical computer to be converted cannot have any volumes larger than 2040 GB.

References: [https://technet.microsoft.com/en-us/library/hh427286\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh427286(v=sc.12).aspx) [https://technet.microsoft.com/en-us/library/hh427293\(v=sc.12\).aspx](https://technet.microsoft.com/en-us/library/hh427293(v=sc.12).aspx)

QUESTION 12

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

You implement Hyper-V Recovery Manager for the deployment.

You create two new clouds named Cloud1 and Cloud2. Metadata for both clouds is uploaded to Windows Azure.

You need to ensure that the virtual machines in Cloud1 are protected by using replicas in Cloud2.

Where should you perform each action? To answer, select the appropriate tool for each action in the answer area.

Hot Area:

Answer Area

Configure the cloud protection settings:

▼	
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Create a recovery plan:

▼	
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Enable protection for individual virtual machines:

▼	
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Map virtual machine networks:

▼	
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Correct Answer:

Answer Area

Configure the cloud protection settings:

	▼
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Create a recovery plan:

	▼
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Enable protection for individual virtual machines:

	▼
The Virtual Machine Manager console	
The Windows Azure Management Portal	

Map virtual machine networks:

	▼
The Virtual Machine Manager console	
The Windows Azure Management Portal	

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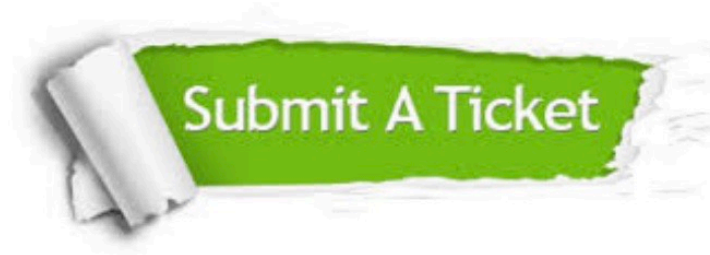
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