70-414^{Q&As}

Implementing an Advanced Server Infrastructure

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QUESTION 1

You are planning to set up a proof-of-concept network virtualization environment.

The environment will contain three servers. The servers will be configured as shown in the following table.

Server name	Role
Server1	System Center 2012 R2 Virtual Machine Manager (VMM)
Server2	Hyper-V host
Server3	File server

VMM will be used to manage the virtualization environment.

Server2 runs three virtual machines. All of the virtual machines are configured to use network virtualization.

You need to enable network connectivity between the virtual machines and Server3.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Add an infrastructure server.

Enable network address translation (NAT).

Configure Teredo transition technology.

Deploy Windows Server Gateway.

Configure ISATAP transition technology.

Add an additional Hyper-V host.

Deploy Microsoft Forefront Unified Access Gateway (UAG).

Add a network service.

Answer Area

Correct Answer:

Actions	Answer Area
Add an infrastructure server.	Add an additional Hyper-V host.
	Deploy Windows Server Gateway.
Configure Teredo transition technology.	Add a network service.
	Enable network address translation (NAT).
Configure ISATAP transition technology.	
Deploy Microsoft Forefront Unified Access Gateway (UAG).	

QUESTION 2

You have a small Hyper-V cluster built on two hosts that run Windows Server 2012 R2 Hyper-V. You manage the virtual infrastructure by using System Center Virtual Machine Manager 2012. Distributed Key Management is not installed. You have the following servers in the environment:

Server name	Role
DC1	Active Directory Domain Services domain controller
HYPERV1	Hyper-V host with 40 virtual machines
HYPERV2	Hyper-V host with 25 virtual machines
SQL1	SQL Server 2012 database
DPM1	Data Protection Manager (DPM) server
VMM1	Virtual Machine Manager (VMM) 2012
FILESERVER1	File server, shared folders
FILESERVER2	File server, VMM Library Server

You have the following requirements:

You must back up virtual machines at the host level.

You must be able to back up virtual machines that are configured for live migration.

You must be able to restore the entire VMM infrastructure.

You need to design and implement the backup plan.

What should you do?

A. Run the following Windows PowerShell command: Checkpoint-VM -Name DPM1 -ComputerName SQL1

B. Install the DPM console on VMM1

C. Configure backup for all disk volumes on FILESERVER1.

D. Install the VMM console on DPM1.

E. Configure System State Backup for DC1.

F. Run the following Windows PowerShell command: Get-VM VMM1 | Checkpoint-VM ?napshotName "VMM backup"

G. Run the following Windows PowerShell command: Checkpoint-VM -Name DPM1 -ComputerName SQL1

Correct Answer: D

QUESTION 3

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

Your company has an enterprise root certification authority (CA) named CA1.

You plan to deploy Active Directory Federation Services (AD FS) to a server named Server1.

The company purchases a Microsoft Office 365 subscription.

You plan to register the company\\'s SMTP domain for Office 365 and to configure single sign-on for all users.

You need to identify which certificate is required for the planned deployment.

Which certificate should you identify?

A. a server authentication certificate that is issued by a trusted third-party root CA and that contains the subject name server1.contoso.com

B. a self-signed server authentication certificate for server1.contoso.com

C. a server authentication certificate that is issued by a trusted third-party root CA and that contains the subject name Server1

D. a server authentication certificate that is issued by CA1 and that contains the subject name Server1

E. a server authentication certificate that is issued by CA1 and that contains the subject name server1.contoso.com

Correct Answer: A

Prepare Your Server and Install ADFS

You can install ADFS on a domain controller or another server. You\\'ll first need to configure a few prerequisites. The following steps assume you\\'re installing to Windows Server 2008 R2.

Using Server Manager, install the IIS role and the Microsoft .NET Framework. Then purchase and install a server-authentication certificate from a public certificate authority. Make sure you match the certificate\\'s subject name with the Fully

Qualified Domain Name of the server. Launch IIS Manager and import that certificate to the default Web site.

References: https://technet.microsoft.com/en-us/magazine/jj631606.aspx

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 plan to allow users to run internal applications from outside the company's network.

You have a Windows Server 2012 R2 that has the Active Directory Federation Services (AD FS) role installed. You must secure on-premises resources by using multi-factor authentication (MFA). You

need to design a solution to enforce different access levels for users with personal Windows 8.1 or iOS 8 devices.

Solution: You install a local instance of MFA Server. You connect the instance to the Microsoft Azure MFA provider, and then run the following Windows PowerShell cmdlet.

Enable-AdfsDeviceRegistration

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

We must install AD FS Adapter, not register a host for the Device Registration Service.

Note: The Enable-AdfsDeviceRegistration cmdlet configures a server in an Active Directory Federation Services (AD FS) farm to host the Device Registration Service.

References: IIS World Wide Web Publishing Service (W3SVC)

https://msdn.microsoft.com/en-us/library/azure/dn807157.aspx

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