

74-409

Server Virtualization with Windows Server
Hyper-V and System Center

DEMO

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QUESTION NO: 1

Your role as Network Administrator at ABC.com includes the management of the company's virtual infrastructure.

A Windows Server 2012 R2 server named ABC-HV1 runs the Hyper-V role and hosts virtual machines for users in the Finance department.

You need to configure a new virtual machine (VM) to host a new Finance application named App1. You create a new VM named ABC-App1VM on ABC-HV1. You configure ABC-App1VM with two virtual network adapters.

You need to configure the VM to ensure that the App1 remains available to Finance users in the event of a failure of one of the virtual network adapters.

Which of the following PowerShell cmdlets should you run to configure the VM?

- A. Add-VMNetworkAdapter
- B. Set-VMNetworkAdapter
- C. Enable-VMMigration
- D. Enable-VMSwitchExtension
- E. Set-VMNetworkAdapterVlan

Answer: B

Explanation:

QUESTION NO: 2

You work as a network administrator at ABC.com. The network consists of a single Windows Server 2012 Active Directory Domain Services (AD DS) domain.

The network includes a virtual infrastructure that includes host servers running Microsoft Hyper-V 2012 R2.

A virtual machine (VM) named ABC-AppVM1 runs an application used by users in the company's production department. The VM has a data partition that hosts a large database for the application.

You need to install an application update on ABC-AppVM1. You need to ensure that you can restore ABC-AppVM1 to its previous state in the event of a problem with the update.

Which of the following solutions would enable you to restore the VM to its previous state while minimizing the disk space used on ABC-AppVM1?

- A. You should export the VM before applying the update.
- B. You should run the Copy-VMFile PowerShell cmdlet before applying the update.
- C. You should configure VM replication before applying the update.
- D. You should create a checkpoint of the VM before applying the update.

Answer: D

Explanation:

QUESTION NO: 3

Your role as Network Administrator at ABC.com includes the management of the company's virtual infrastructure.

The virtual infrastructure consists of 100 virtual machines (VMs) running on Windows Server 2012 R2 Hyper-V host servers. Some Hyper-V host servers have locally attached storage and some Hyper-V host servers connect to a Fiber Channel SAN.

Some VMs are Generation 1 VMs and some are Generation 2 VMs. The VMs run either Windows Server 2008 R2 or Windows Server 2012 R2. The virtual hard disks are a mix of VHD format or VHDX format.

You need to ensure that all VMs support online virtual hard disk resizing.

How can you ensure that all VMs support online virtual hard disk resizing?

- A. By upgrading all Windows Server 2008 R2 VMs to Windows Server 2012 R2.
- B. By converting all VHD format disks to VHDX format disks.
- C. By converting all Generation 1 VMs to Generation 2 VMs.
- D. By connecting all Hyper-V host servers that have locally attached storage to the Fiber Channel SAN.

Answer: B

Explanation:

QUESTION NO: 4

Your role as Network Administrator at ABC.com includes the management of the company's virtual infrastructure.

The physical network contains two switches named Switch1 and Switch2.

You are configuring a new Windows Server 2012 R2 server named ABC-HV10 as a Hyper-V host server.

ABC-HV10 has four physical network adapters named NIC1, NIC2, NIC3 and NIC4. You connect NIC1 and NIC2 to Switch1 and NIC3 and NIC4 to Switch2.

ABC-HV10 will host a virtual machine (VM) named ABC-AppVM1. The VM will run a custom line-of-business (LOB) application named CorpApp1.

You need to ensure that CorpApp1 remains available to users in the event of a failure of one of the physical network adapters on ABC-HV10 or a failure of one of the network switches.

You also want to increase the network bandwidth available to the VM without modifying the configuration of the network switches.

Which two of the following actions should you perform to configure ABC-HV10 before creating the VM? (Choose two).

- A. Configure NIC1 and NIC2 as a NIC team.
- B. Configure NIC1 and NIC3 as a NIC team.
- C. Configure the NIC team to use Static Teaming (Switch Dependent) mode.
- D. Configure the NIC team to use LACP (Switch Dependent) mode.
- E. Configure the NIC team to use Switch Independent mode.

Answer: B,E

Explanation:

QUESTION NO: 5

You work as a network administrator at ABC.com. The network consists of a single Windows Server 2012 Active Directory Domain Services (AD DS) domain.

The company has a Development department. You want to configure four virtual machines (VMs) to be used by users in the Development department for testing applications.

Two of the VMs will run Windows Server 2012 R2 and the other two will run Windows Server 2008 R2.