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QUESTION 1

You have two Hyper-V hosts named Server1 and Server2 that run Windows Server 2016. Server1 and Server2 are connected to the same network.

On Server1 and Server2, you create an external network switch named Switch1.

You have the virtual machines shown in the following table.

| Virtual machine name | IP address | Subnet mask | Hyper-V host |
|----------------------|--------------|---------------|--------------|
| VM1 | 192.168.1.16 | 255.255.255.0 | Server1 |
| VM2 | 192.168.1.32 | 255.255.255.0 | Server2 |
| VM3 | 192.168.1.48 | 255.255.255.0 | Server2 |

All three virtual machines are connected to Switch1.

You need to prevent applications in VM3 from being able to capture network traffic from VM1 or VM2. The solution must ensure that VM1 retains network connectivity.

What should you do?

- A. On Server2, configure the VLAN ID setting of Switch1.
- B. On Server2, create an external switch and connect VM3 to the switch.
- C. Modify the subnet mask of VM1 and VM2.
- D. Configure network virtualization for VM1 and VM2.

Correct Answer: D

References:

<https://docs.microsoft.com/en-us/windows-server/networking/sdn/technologies/hyper-v-network-virtualization/hyperv-network-virtualization-technical-details-windows-server>
<https://blogs.technet.microsoft.com/networking/2016/10/26/networkvirtualization-with-ws2016-sdn/>

QUESTION 2

You have a Hyper-V host that runs Windows Server 2016. The Hyper-V host has a virtual machine named VM1.

You have a VHD named VHD1.vhdx that has a generalized image of Windows Server 2016.

You plan to create multiple virtual machines that will use the generalized image.

You need to create differencing disks based on VHD1.vhdx.

What command should you run? To answer, select the appropriate options in the answer area.



Hot Area:

Answer Area

| | | |
|---------------------|---|-------------------------------|
| | ▼ | -Path "C:\VHDs\VHD1Diff.VHDX" |
| Add-VMHardDiskDrive | | |
| New-VHD | | |
| Set-VHD | | |
| Set-VMHardDiskDrive | | |

| | | |
|-------------|---|------------------------------------|
| | ▼ | "C:\VHDs\VHD1.VHDX" - Differencing |
| -ParentPath | | |
| -SourceDisk | | |

Correct Answer:

Answer Area

| | | |
|---------------------|---|-------------------------------|
| | ▼ | -Path "C:\VHDs\VHD1Diff.VHDX" |
| Add-VMHardDiskDrive | | |
| New-VHD | | |
| Set-VHD | | |
| Set-VMHardDiskDrive | | |

| | | |
|-------------|---|------------------------------------|
| | ▼ | "C:\VHDs\VHD1.VHDX" - Differencing |
| -ParentPath | | |
| -SourceDisk | | |

PS C:\> New-VHD -Path c:\Diff.vhdx -ParentPath c:\Base.vhdx -Differencing

This example creates a VHDX-format differencing virtual hard disk with a parent path of c:\Base.vhdx.

References:

<https://technet.microsoft.com/en-us/itpro/powershell/windows/hyper-v/new-vhd>

QUESTION 3

Your network contains an Active Directory domain named contoso.com. The domain contains a DNS server named Server1. All client computers run Windows 10. On Server1, you have the following zone configuration



| ZoneName | ZoneType | IsAutoCreated | IsDsIntegrated | IsReverseLookupZone | IsSigned |
|--------------------|-----------|---------------|----------------|---------------------|----------|
| _msdcs.contoso.com | Primary | False | True | False | False |
| adatum.com | Forwarder | False | False | False | False |
| contoso.com | Primary | False | True | False | False |
| fabrikam.com | Primary | False | False | False | True |
| TrustAnchors | Primary | False | True | False | False |

You have the following subnets defined on Server1.

| Name | IPv4Subnet | IPv6Subnet |
|---------|-------------------|------------|
| Subnet1 | (10.0.0.0/24) | |
| Subnet2 | (10.0.1.0/24) | |
| Subnet3 | (192.168.15.0/24) | |
| Subnet4 | (172.16.1.0/24) | |

You need to prevent Server1 from resolving queries from DNS clients located on Subnet4.

Server1 must resolve queries from all other DNS clients.

Solution: From Windows PowerShell on Server1, you run the Export-DnsServerDnsSecPublicKey cmdlet.

Does this meet the goal?

- A. Yes
- B. No

Correct Answer: B

Example: Export a trust anchor to a file share

This command exports the trust anchor (DS record) for Contoso.com to a file share. A DNS administrator runs this command from the DNS server that hosts the zone Contoso.com and specifies that the zone signing key uses the SHA-1

algorithm to create the DS record.

```
PS C:\> Export-DnsServerDnsSecPublicKey -ComputerName "DNSDC1.Contoso.com" -ZoneName "Contoso.com" -Path "\\MyDNSKeyShare\keys" -PassThru -DigestType "Sha1"
```

QUESTION 4

Refer to Exhibit:

| Name | IP address | IP subnet mask |
|------------|--------------|----------------|
| Server1 | 10.10.50.20 | 255.255.255.0 |
| Server2 | 10.10.50.21 | 255.255.255.0 |
| Container1 | 172.16.1.100 | 255.255.255.0 |
| Container2 | 172.16.1.101 | 255.255.255.0 |



Container1 hosts a website on port 8080.

You create a port mapping between port 8080 on Container1 and port 80 on Server1.

Which URL can you use to access the website from Server1, Server2, and Container2? To answer, select the appropriate options in the answer area.

Hot Area:

The screenshot shows an 'Answer Area' with three server selection boxes. Each box contains several URL options for Server1, Server2, and Server3. A large watermark 'www.PassApply.com' is overlaid on the image.

Server1:

- http://10.10.50.20:80 only
- http://10.10.50.20:8080 only
- http://172.16.1.100:80 only
- http://172.16.1.100:8080 only
- http://10.10.50.20:80 and http://172.16.1.100:8080
- http://10.10.50.20:8080 and http://172.16.1.100:80

Server2:

- http://10.10.50.20:80 only
- http://10.10.50.20:8080 only
- http://172.16.1.100:80 only
- http://172.16.1.100:8080 only
- http://10.10.50.20:80 and http://172.16.1.100:8080
- http://10.10.50.20:8080 and http://172.16.1.100:80

Server3:

- http://10.10.50.20:80 only
- http://10.10.50.20:8080 only
- http://172.16.1.100:80 only
- http://172.16.1.100:8080 only
- http://10.10.50.20:80 and http://172.16.1.100:8080
- http://10.10.50.20:8080 and http://172.16.1.100:80

Correct Answer:



QUESTION 5

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some questions sets might have more than one correct solutions, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your network contains an Active Directory forest named contoso.com. The forest contains a child domain named eu.contoso.com.

You plan to implement live migration between two Hyper-V hosts that run Windows Server 2016. The hosts are configured as shown in the following table.



| Host name | Configuration |
|-----------|---|
| Host1 | <ul style="list-style-type: none">• Is a member of the contoso.com domain• Uses an Intel Xeon processor released in 2012• Has an external virtual switch named Switch1• Hosts a virtual machine named VM1 that connects to Switch1 |
| Host2 | <ul style="list-style-type: none">• Is a member of the eu.contoso.com domain• Uses an Intel Xeon processor released in 2016• Has an external virtual switch named Switch1 |

You need to ensure that you can perform a live migration of VM1 from Host1 to Host2.

Solution: You shut down VM1, configure the processor compatibility settings, and then start VM1.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 6

You have a RADIUS server named RADIUS1. RADIUS1 is configured to use an IP address of 172.23.100.101.

You add a wireless access point (wap) named WAP-Secure to your network. You configure WAP-Secure to use an IP address of 10.0.100.101.

You need to ensure that WAP-Secure can authenticate to RADIUS1 by using a shared secret key.

What command should you run? To answer, select the appropriate options in answer area.

Hot Area:



Correct Answer:





QUESTION 7

Your network contains an Active Directory domain named contoso.com. The domain contains a server named Server1 that runs Windows Server 2016.

Server1 has IP Address Management (IPAM) installed. IPAM is configured to use the Group Policy based provisioning method. The prefix for the IPAM Group Policy objects (GPOs) is IP.

From Group Policy Management, you manually rename the IPAM GPOs to have a prefix of IPAM.

You need to modify the GPO prefix used by IPAM.

What should you do?

- A. Click Configure server discovery in Server Manager.
- B. Run the Set-IpamConfiguration cmdlet.
- C. Run the Invoke-IpamGpoProvisioning cmdlet.
- D. Click Provision the IPAM server in Server Manager.

Correct Answer: B

The Set-IpamConfiguration cmdlet modifies the configuration for the computer that runs the IPAM server.

The -GpoPrefix parameter specifies the unique Group Policy object (GPO) prefix name that IPAM uses to create the group policy objects. Use this parameter only when the value of the ProvisioningMethod parameter is set to Automatic.

References: <https://docs.microsoft.com/en-us/powershell/module/ipamserver/set-ipamconfiguration?view=win10-ps>

QUESTION 8

Your network contains an Active Directory domain named contoso.com. The domain contains an Active Directory Federation Services (AD FS) server named ADFS1, a Web Application Proxy server named WAP1, and a web server named

Web1.

You need to publish a website on Web1 by using the Web Application Proxy. Users will authenticate by using OAuth2 preauthentication.

What should you do first?

- A. On Web1, add site bindings.
- B. On ADFS1, add a claims provider trust.
- C. On Web1, add handler mappings.



D. On ADFS1, enable an endpoint.

Correct Answer: D

References: https://docs.microsoft.com/en-us/windows-server/remote/remote-access/web-application-proxy/publishing-applications-using-ad-fs-preauthentication#BKMK_1.4

QUESTION 9

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

You need to add a new domain named fabrikam.com to the forest.

What command should you run? To answer, select the appropriate options in the answer area.

Hot Area:

Answer Area

| | | | | |
|------------------------------|---|-------------|---|--|
| | ▼ | -DomainType | ▼ | |
| Install-ADDSDomain | | TreeDomain | | |
| Install-ADDSDomainController | | ChildDomain | | |
| Install-ADDSDomainForest | | | | |

-InstallDns:\$true -NewDomainName fabrikam.com -ParentDomainName contoso.com

Correct Answer:

Answer Area

| | | | | |
|------------------------------|---|-------------|---|--|
| | ▼ | -DomainType | ▼ | |
| Install-ADDSDomain | | TreeDomain | | |
| Install-ADDSDomainController | | ChildDomain | | |
| Install-ADDSDomainForest | | | | |

-InstallDns:\$true -NewDomainName fabrikam.com -ParentDomainName contoso.com

The Install-ADDSDomain cmdlet installs a new Active Directory domain configuration.

-DomainType

Indicates the type of domain that you want to create: a new domain tree in an existing forest (supported values are "TreeDomain" or "tree"), a child of an existing domain (supported values are "ChildDomain" or "child"). The default is

ChildDomain.

References:



[https://technet.microsoft.com/en-us/library/hh974722\(v=wps.630\).aspx](https://technet.microsoft.com/en-us/library/hh974722(v=wps.630).aspx)

QUESTION 10

Your network contains an Active Directory domain named contoso.com. The domain contains two servers named Server1 and Server2 that run Windows Server 2016.

Each server has an operating system disk and four data disks. All of the disks are locally attached SATA disks. Each disk is a basic disk, is initialized as an MBR disk, and has a single NTFS volume.

You plan to implement Storage Spaces Direct by using the data disks on Server1 and Server2.

You need to prepare the data disks for the Storage Spaces Direct implementation.

What should you do?

- A. Format the volumes on the data disks as exFAT.
- B. Initialize the data disks as GPT disks and create a ReFS volume on each disk.
- C. Convert the data disks to dynamic disks.
- D. Delete the volumes from the data disks.

Correct Answer: D

QUESTION 11

You have two servers named Server1 and Server2 that run Windows Server 2016.

You plan to implement Storage Replica to replicate the contents of volumes on Server1 to Server2.

You need to ensure that the replication traffic between the servers is limited to a maximum of 100 Mbps.

Which cmdlet should you run?

- A. Set-NetUDPSetting
- B. New-StorageQosPolicy
- C. Set-SmbBandwidthLimit
- D. Set-NetTCPSetting
- E. Set-NetworkController
- F. New-NetTransportFilter
- G. Set-StorageQosPolicy
- H. New-NetQosPolicy

Correct Answer: C



PS C:\> Set-SmbBandwidthLimit -Category Default -BytesPerSecond 100MB

This command limits SMB traffic to 100 megabytes per second for traffic that is unrelated to Hyper-V over SMB or Live Migration.

References: <https://docs.microsoft.com/en-us/powershell/module/smbshare/set-smbbandwidthlimit?view=win10-ps>

QUESTION 12

You have a server named Server1 that runs Windows Server 2016.

The disks on Server1 are configured as shown in the following table.

| Volume | Type | File System | Capacity |
|--------|------------------|-------------|----------|
| C: | Attached locally | NTFS | 150 GB |
| D: | Attached locally | exFAT | 100 GB |
| E: | Attached locally | NTFS | 20 GB |
| F: | Attached locally | ReFS | 1 TB |
| G: | iSCSI LUN | NTFS | 2 TB |

Windows Server 2016 is installed in C:\Windows.

On which two volumes can you enable data deduplication? Each correct answer presents a complete solution.

- A. C:
- B. D:
- C. E:
- D. F:
- E. G:

Correct Answer: CE

Volumes that are candidates for deduplication must conform to the following requirements:

Must not be a system or boot volume. Deduplication is not supported on operating system volumes. (Thus NOT C:)

Can be partitioned as a master boot record (MBR) or a GUID Partition Table (GPT), and must be formatted using the NTFS file system. (Thus NOT D:)

Can reside on shared storage, such as storage that uses a Fibre Channel or an SAS array, or when an iSCSI SAN and Windows Failover Clustering is fully supported.

If you're using Windows Server 2012, don't deduplicate Cluster Shared Volumes (CSVs). You can access data if a deduplication-enabled volume is converted to a CSV, but you cannot continue to process files for deduplication on

Windows Server 2012.



Do not rely on the Microsoft Resilient File System (ReFS). (Thus NOT F:)

Can't be larger than 64 TB in size.

Must be exposed to the operating system as non-removable drives. Remotely-mapped drives are not supported.

References: [https://technet.microsoft.com/en-us/library/hh831700\(v=ws.11\).aspx](https://technet.microsoft.com/en-us/library/hh831700(v=ws.11).aspx)

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