

70-741^{Q&As}

Networking with Windows Server 2016

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QUESTION 1

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.

You are planning the deployment of DNS to a new network.

You have four internal DNS servers configured as shown in the following table.

Name	Location	IP address	DNS zone
Server1	Montreal	10.0.1.10	Contoso.com
Server2	Toronto	10.0.2.10	East.contoso.com
Server3	Seattle	10.0.3.10	West.contoso.com

The contoso.com zone contains zone delegations for east.contoso.com, west.contoso.com, and south.contoso.com. All the DNS servers use root hints.

You need to ensure that all the DNS servers can resolve the names of all the internal namespaces and internet hosts.

Solution: On Server2 and Server3, you configure a conditional forwarder for contoso.com.

A. Yes

B. No

Correct Answer: B

QUESTION 2

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 question sets might have more than one correct solution, while

others might not have a correct solution.

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

You have a server named Server1 that has the Network Policy and Access Services server role installed.

You create a Shared Secret Network Policy Server (NPS) template named Template1.

You need to view the shared secret string used for Template1.

Solution: From the Network Policy Server console, you export the configuration, and you view the exported XML file.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 3

You have two servers named Server1 and Server2. Server1 is a DNS server. Server2 is configured to use Server1 as the primary DNS server. You run `ipconfig /displaydns` on Server2 and receive the following output.

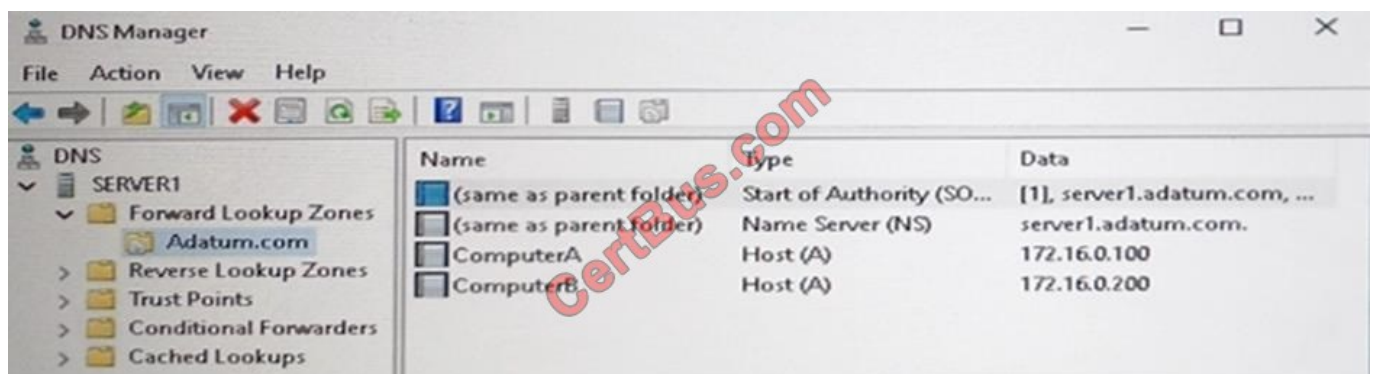
```
Windows IP Configuration
computera.adatum.com
```

```
-----
Record Name      : computera.adatum.com
Record Type      : 1
Time To Live     : 876
Data Length      : 4
Section         : Answer
A (Hcst) Record  : 172.16.0.50
```

```
computerb.adatum.com
```

```
-----
Name does not exist.
```

An administrator modifies the records in adatum.com as shown in the Adatum.com Zone exhibit. (Click the Exhibit button.) The properties of the DNS record for ComputerA are shown in the ComputerA exhibit. (Click the Exhibit button.)



ComputerA Properties
? X

Host(A)

Host (uses parent domain if left blank):

Fully qualified domain name (FQDN):

ComputerA.Adatum.com

IP address:

172.16.0.100

☐ Update associated pointer (PTR) record

☐ Delete this record when it becomes stale

Record time stamp:

Time to live (TTL): 0 :0 :15 :0 (DDDDD:HH.MM.SS)

OK Cancel Apply

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
If Server2 attempts to connect to computera.adatum.com immediately, Server2 will connect to 172.16.0.100.	<input type="radio"/>	<input type="radio"/>
If Server2 attempts to connect to computera.adatum.com in 15 minutes, Server2 will connect to 172.16.0.100.	<input type="radio"/>	<input type="radio"/>
If Server2 attempts to connect to computerb.adatum.com immediately, the connection will succeed.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
If Server2 attempts to connect to computera.adatum.com immediately, Server2 will connect to 172.16.0.100.	<input type="radio"/>	<input checked="" type="radio"/>
If Server2 attempts to connect to computera.adatum.com in 15 minutes, Server2 will connect to 172.16.0.100.	<input checked="" type="radio"/>	<input type="radio"/>
If Server2 attempts to connect to computerb.adatum.com immediately, the connection will succeed.	<input checked="" type="radio"/>	<input type="radio"/>

QUESTION 4

You have a server named Server1 that runs Windows Server 2016. Server1 has the following routing table.

Network Destination	Netmask	Gateway	Interface	Metric
0.0.0.0	0.0.0.0	192.168.2.1	192.168.2.92	10
10.0.0.0	255.0.0.0	On-link	10.10.0.11	261
10.10.0.11	255.255.255.25	On-link	10.10.0.11	261
10.20.200.0	255.255.255.0	10.10.0.2	10.10.0.11	5
10.255.255.255	255.255.255.255	On-link	10.10.0.11	261
127.0.0.0	255.0.0.0	On-link	127.0.0.1	306
127.0.0.1	255.255.255.255	On-link	127.0.0.1	306
127.255.255.255	255.255.255.255	On-link	127.0.0.1	306
172.16.0.0	255.240.0.0	On-link	172.16.0.1	261
172.16.0.1	255.255.255.255	On-link	172.16.0.1	261
172.31.255.255	255.255.255.255	On-link	172.16.0.1	261
192.168.2.0	255.255.255.0	On-link	192.168.2.92	266
192.168.2.92	255.255.255.255	On-link	192.168.2.92	266
192.168.2.255	255.255.255.255	On-link	192.168.2.92	266
224.0.0.0	240.0.0.0	On-link	127.0.0.1	306
224.0.0.0	240.0.0.0	On-link	172.16.0.1	261
224.0.0.0	240.0.0.0	On-link	10.10.0.11	261
224.0.0.0	240.0.0.0	On-link	192.168.2.92	266
255.255.255.255	255.255.255.255	On-link	127.0.0.1	306
255.255.255.255	255.255.255.255	On-link	172.16.0.1	261
255.255.255.255	255.255.255.255	On-link	10.10.0.11	261
255.255.255.255	255.255.255.255	On-link	192.168.2.92	266

What will occur when Server1 attempts to connect to a host that has an IP address of 172.20.10.50?

- A. Server1 will attempt to connect directly to 172.20.10.50.
- B. Server1 will route the connection to 10.10.0.2.
- C. Server1 will silently drop the connection attempt.
- D. Server1 will route the connection to 192.168.2.1.

Correct Answer: A

<http://www.techrepublic.com/article/understanding-routing-tables/>

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 has three sites located in London, Paris and Berlin.

The London site contains a web server named Web1 that runs Windows Server 2016.

You need to configure Web1 as an HTTP content server for the hosted cache servers located in the Paris and Berlin sites.

Solution: You install the Deployment Server role service, and then you restart the World Wide Web Publishing Service.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 6

Your network contains an Active Directory domain named contoso.com that contains a domain controller named DC1. All DNS servers for the network run BIND 10.

Your perimeter network contains a DHCP server named DHCP1 that runs Windows Server 2016. DHCP1 is a member of a workgroup named WORKGROUP. DHCP1 provides IP address leases to guests accessing the Wi-Fi network.

Several engineers access the network remotely by using a VPN connection to a remote access server that runs Windows Server 2016. All of the VPN connections use certificate-based authentication and are subject to access policies in

Network Policy Server (NPS). Certificates are issued by an enterprise certification authority (CA) named CA1.

All Windows computers on the network are activated by using Key Management Service (KMS). On-premises users use Remote Desktop Services (RDS).

You plan to deploy IP Address Management (IPAM) to the network.

Which action can you perform on the network by using IPAM?

A. Audit user and device logon event from NPS.

- B. Audit logon events on the RDS server.
- C. Audit configuration changes to the remote access server.
- D. Audit certificate enrollment requests on CA1.

Correct Answer: A

References: <https://blogs.technet.microsoft.com/canitpro/2013/08/15/step-by-step-setup-windows-server-2012-ipam-in-your-environment/>

QUESTION 7

DRAG DROP

You have a Hyper-V host named Host1 that runs Windows Server 2016 Datacenter. Host1 has eight network adapters that support Remote Direct Memory Access (RDMA).

You plan to configure Host1 as part of a four-node Hyper-V converged solution.

You enable the Data Center Bridging (DCB) feature.

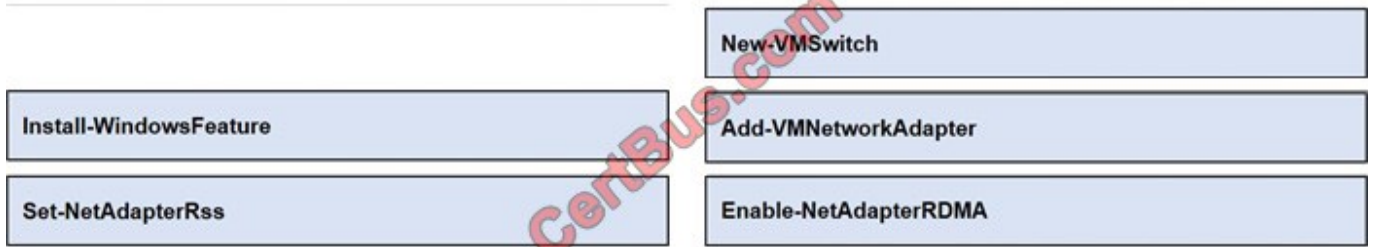
You need to enable Switch Embedded Teaming (SET) and RDMA.

Which three cmdlets should you run in sequence? To answer move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Select and Place:

Add-VMNetworkAdapter	
Enable-NetAdapterRDMA	
Install-WindowsFeature	
Set-NetAdapterRss	
New-VMSwitch	

Correct Answer:



References: https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v-virtual-switch/rdma-and-switch-embedded-teaming#bkmk_set-rdma

QUESTION 8

This question is regarding DNS Logging and Diagnosis. Which event is logged for a Recursive query timeout?

- A. analytic event
- B. audit event

Correct Answer: A

QUESTION 9

You have a virtual machine named VM1 that runs windows Server 2016. VM1 hosts a service that requires high network throughput.

VM1 has a virtual network adapter that connects to a Hyper-V switch named vSwitch1 has one network adapter. The network adapter supports Remote Direct Memory Access (RDMA), the single root I/O virtualization (SR-IOV) interface.

Quality of Service (QoS), and Receive Side Scaling (RSS).

You need to ensure that the traffic from VM1 can be processed by multiple networking processors.

Which Windows PowerShell command should you run on the host of VM1?

- A. Set-NetAdapterRss
- B. Set-NetAdapterRdma
- C. Set-NetAdapterSriov
- D. Set-NetAdapterQos

Correct Answer: A

QUESTION 10

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.

You have a server named Server1 that runs Windows Server 2016. Server1 is configured as a VPN server.

Server1 is configured to allow domain users to establish VPN connections from 06:00 to 18:00 everyday of the week.

You need to ensure that domain users can establish VPN connections only between Monday and Friday.

Solution: From Active Directory Users and Computers, you modify the Dial-in Properties of the user accounts.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

QUESTION 11

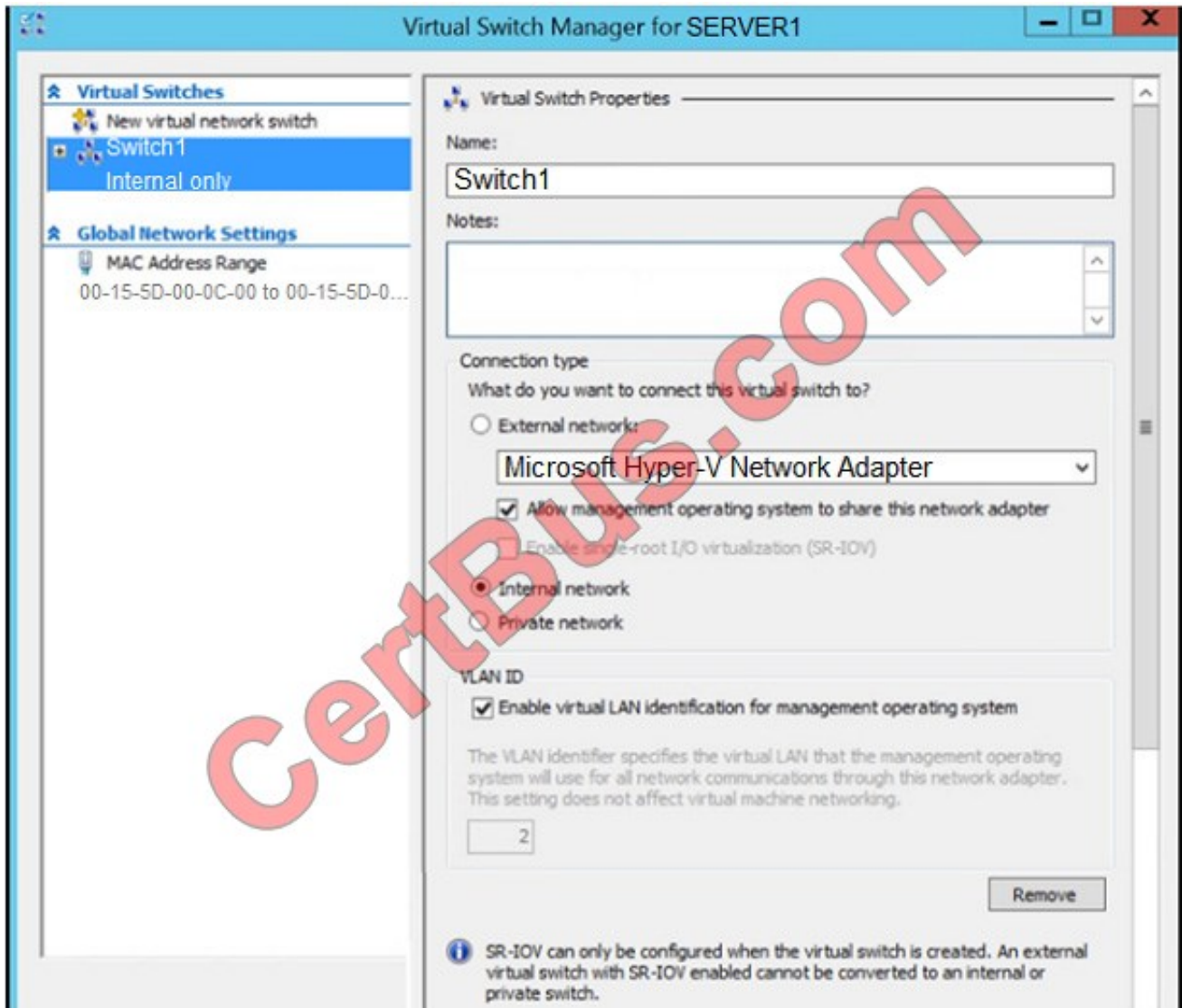
HOTSPOT

You have a Hyper-V host named Server1 that runs the virtual machines shown in the following table.

Name	Network adapter	IP setting	VLAN ID	Virtual subnet ID
VM1	NIC1	172.16.1.10/24	2	0
VM2	NIC2	172.16.1.20/24	2	5000
VM3	NIC3	172.16.1.30/24	None	5000
VM4	NIC4	172.16.1.40/24	2	0

All the virtual machines run Windows Server 2016. The firewalls of the virtual machines are configured to allow ping requests.

The network adapters connect to a virtual switch named Switch1. Switch1 is configured as shown in the following exhibit.



For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
From VM1, you can ping VM2 successfully.	<input type="radio"/>	<input type="radio"/>
From VM1, you can ping VM3 successfully.	<input type="radio"/>	<input type="radio"/>
From VM1, you can ping VM4 successfully.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
From VM1, you can ping VM2 successfully.	<input checked="" type="radio"/>	<input type="radio"/>
From VM1, you can ping VM3 successfully.	<input type="radio"/>	<input checked="" type="radio"/>
From VM1, you can ping VM4 successfully.	<input checked="" type="radio"/>	<input type="radio"/>

References: <https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/get-started/create-a-virtual-switch-for-hyper-v-virtual-machines>

<https://docs.microsoft.com/en-us/windows-server/virtualization/hyper-v/deploy/configure-virtual-local-area-networks-for-hyper-v>

QUESTION 12

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

All of the DHCP servers and the DNS servers in the forest are managed by using an IP Address Management (IPAM) server named Cont_IPAM1.

You acquire a new company that has an Active Directory forest. The forest contains a domain named fabrikam.com.

You have six servers that are configured as shown in the following table.

Server name	Forest	Operating system	Configuration
Cont_IPAM1	Contoso.com	Windows Server 2012 R2	IPAM
Cont_DNS1	Contoso.com	Windows Server 2016	DNS
Cont_DNS2	Contoso.com	Windows Server 2016	DNS
Cont_DHCP1	Contoso.com	Windows Server 2016	DHCP
Fabr_DNS1	Fabrikam.com	Windows Server 2012 R2	DNS
Fabr_DHCP1	Fabrikam.com	Windows Server 2012 R2	DHCP

You need to ensure that all of the DHCP and DNS servers in both of the forests can be managed by using Cont-IPAM1. The solution must use the principle of least privileges. Which two actions should you perform? Each correct answer presents part of the solution.

- A. Upgrade Fabr_DNS1 to Windows Server 2016.
- B. Upgrade Fabr_DHCP1 to Windows Server 2016.
- C. Create an outgoing forest trust from contoso.com to fabrikam.com.
- D. Upgrade Cont_IPAM1 to Windows Server 2016.
- E. Create a two-way forest trust between contoso.com and fabrikam.com

Correct Answer: DE

References: <https://github.com/MicrosoftDocs/windowsserverdocs/blob/master/WindowsServerDocs/networking/technologies/ipam/Manage-Resources-in-Multiple-Active-Directory-Forests.md> Tomsho, Greg, MCSA Guide to Networking with Windwos Server 2016, Exam 70-741, Cengage Learning, Boston, 2018, p. 223

QUESTION 13

You have a DHCP server named Server1 that runs Windows Server 2016. You run Get-DhcpServerv4Scope, and you receive the following results.

ScopeId	SubnetMask	Name	State	StartRange	EndRange	LeaseDuration
172.16.0.0	255.255.255.0	Scope1	Active	172.16.0.10	172.16.0.250	8.00:00:00

You run Get-DhcpServerv4FilterList, and you receive the following results.

Allow		Deny
----		----
False		True

You run Get-DhcpServv4Filter, and you receive the following results.

MacAddress	List	Description
-----	----	-----
AA-*-*-*-*-*	Allow	
BB-*-*-*-*-*	Deny	

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
A device that has a MAC address of AABBCCDDEEFF can obtain an IP address from Server1.	<input type="radio"/>	<input type="radio"/>
A device that has a MAC address of BBCCDDEEFFAA can obtain an IP address from Server1.	<input type="radio"/>	<input type="radio"/>
A device that has a MAC address of CCDDEEFFAABB can obtain an IP address from Server1.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
A device that has a MAC address of AABBCCDDEEFF can obtain an IP address from Server1.	<input checked="" type="radio"/>	<input type="radio"/>
A device that has a MAC address of BBCCDDEEFFAA can obtain an IP address from Server1.	<input type="radio"/>	<input checked="" type="radio"/>
A device that has a MAC address of CCDDEEFFAABB can obtain an IP address from Server1.	<input checked="" type="radio"/>	<input type="radio"/>

QUESTION 14

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals.

Refer to exhibit:

Private1	Private
Internal1	Internal
External1	External

Server1 has two virtual machines named VM1 and VM that run Windows Server 2016. VM1 connects to Private VM2 has two network adapters.

You need to ensure that VM1 connects to the corporate network by using NAT.

Solution: You connect VM1 to Internal1. You run the New-NetNatIpAddress and the New-NetNat cmdlets on Server1. You configure VM1 to use VM2 as the default gateway.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 15

Is the following statement TRUE or FALSE?

You can use SLB with a VLAN-based network for DIP VMs connected to a SDN Enabled Hyper-V Virtual Switch.

A. FALSE

B. TRUE

Correct Answer: B

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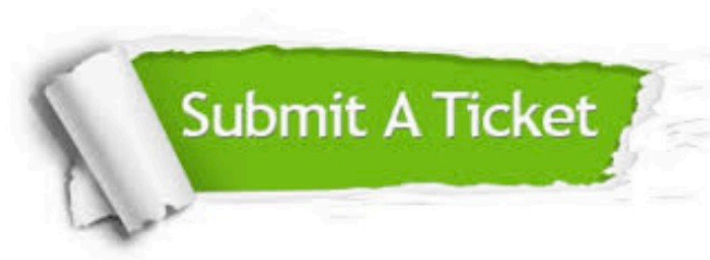
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