

# QUESTIONS & ANSWERS

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**Microsoft**

# 70-414

*Implementing an Advanced Server Infrastructure*

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**QUESTION:** 137

You have a server named Server1 that runs Windows Server 2012 R2. You plan to enable Hyper-V Network Virtualization on Server1. You need to install the Windows Network Virtualization Filter Driver on Server1. Which Windows PowerShell cmdlet should you run?

- A. Set-NetVirtualizationGlobal
- B. Enable-NetAdapterBinding
- C. Add - WindowsFeature
- D. Set-NetAdapterVmq

**Answer:** B

**Explanation:**

Hyper-V Network Virtualization runs multiple virtual networks on a physical network. And each virtual network operates as if it is running as a physical network.

The The Set-NetAdaptercmdlet sets the basic properties of a network adapter such as virtual LAN (VLAN) identifier (ID) and MAC address.

Thus if you add the binding parameter to the command then you will be able to install the Windows Network Virtualization Filter Driver.

Step one:Enable Windows Network Virtualization (WNV). This is a binding that is applied to the NIC that you External Virtual Switch is bound to.

This can be a physical NIC, it can be an LBFO NIC team. Either way, it is the network adapter that your External Virtual Switch uses to exit the server.

This also means that if you have multiple virtual networks or multiple interfaces that you can pick and choose and it is not some global setting.

If you have one External Virtual Switch this is fairly easy:

```
$vSwitch = Get-VMSwitch -SwitchType External# Check if Network  
Virtualization is bound# This could be done by checking for the binding and  
seeing if it is enabledForEach-Object - InputObject $vSwitch {if ((Get-  
NetAdapterBinding -ComponentID "ms_netwnv" -  
InterfaceDescription$_.NetAdapterInterfaceDescription).Enabled -eq $false){ #  
Lets enable itEnable-NetAdapterBinding -InterfaceDescription  
$_.NetAdapterInterfaceDescription - ComponentID "ms_netwnv"}}}
```

**QUESTION:** 138

Your network contains a data center named DataCenter1 that contains multiple servers. The servers are configured as Hyper-V hosts. Your company deploys a disaster recovery site. The disaster recovery site has a dedicated connection to

DataCenter1. The network is connected to the disaster recovery site by using a dedicated link. DataCenter1 contains 10 business critical virtual machines that run a line-of-business application named App1. You need to recommend a business continuity solution to ensure that users can connect to App1 within two hours if DataCenter1 fails. What should you include in the recommendation? More than one answer choice may achieve the goal. Select the BEST answer.

- A. From Microsoft System Center 2012 Virtual Machine Manager (VMM), implement live migration on the virtual machines.
- B. From Hyper-V Manager, implement Hyper-V replicas.
- C. From Microsoft System Center 2012 Data Protection Manager, implement a protection group.
- D. From Hyper-V Manager, create snapshots of the virtual machines.

**Answer:** B

**QUESTION:** 139

Your network contains an Active Directory domain named contoso.com. The domain contains a Microsoft System Center 2012 infrastructure. You deploy a service named Service1 by using a service template. Service1 contains two virtual machines. The virtual machines are configured as shown in the following table.

Virtual machine name	Roles and software
VM1	Web server Windows Server 2012 R2 Operations Manager agent Configuration Manager agent
VM2	Windows Server 2012 R2 Operations Manager agent Microsoft SQL Server 2012 Configuration Manager agent

You need to recommend a monitoring solution to ensure that an administrator can review the availability information of Service1. Solution: From Operations Manager, you create a Distributed Application and a Monitor Override. Does this meet the goal?

- A. Yes
- B. No

**Answer:** A

**QUESTION:** 140

**DRAG DROP**

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.

Actions	Answer Area
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:**  
Exhibit

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

**QUESTION: 141**

Your company, which is named Contoso, Ltd., has offices only in North America. The company has 2,000 users. The network contains an Active Directory domain named contoso.com. You plan to deploy an Active Directory Certificate Services (AD CS) infrastructure and assign certificates to all client computers. You need to recommend a PKI solution to protect the private key of the root certification authority (CA) from being accessed by external users. What should you recommend? More than one answer choice may achieve the goal. Select the BEST answer.

- A. An offline standalone root CA and an online enterprise issuing CA
- B. An online enterprise root CA and an online enterprise issuing CA
- C. An offline standalone root CA and an offline enterprise issuing CA
- D. An online enterprise root CA, an online enterprise policy CA, and an online enterprise issuing CA

**Answer:** A

**Reference:**

[http://technet.microsoft.com/en-us/library/cc737481\(v=ws.10\).aspx](http://technet.microsoft.com/en-us/library/cc737481(v=ws.10).aspx)

**QUESTION: 142**

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.

What should you do first?

- A. From the properties of the User certificate template, assign the Allow -Enroll permission to the Authenticated Users group.
- B. From the properties of the Basic EFS template, assign the Allow -Enroll permission to the Authenticated Users group.
- C. Create a copy of the User certificate template, and then modify the extensions of the copy.
- D. Create a copy of the Basic EFS certificate template, and then modify the validity period of the copy.

**Answer:** D

**Explanation:**

Exhibit

### Selecting Certificate Templates

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Updated: March 28, 2003

Applies To: Windows Server 2003, Windows Server 2003 R2, Windows Server 2003 with SP1, Windows Server 2003 with SP2

The certificate services that you deploy and the security requirements that are specific to your organization impact the types of certificates that you issue. You can issue multiple types of certificates to meet a variety of security requirements.

The certificate templates available with an enterprise CA in Windows Server 2000 and Windows Server 2003 provide the default contents of all certificates that can be requested from a Windows enterprise CA. These certificate templates are stored in Active Directory and cannot be used with stand-alone CAs.

Certificate templates can serve a single purpose or multiple purposes. Single-purpose templates generate certificates that can be used for a single application. For example, the Smart Card Logon certificate template is designed for smart card logon only. Multipurpose templates generate certificates that can be used for a number of applications, such as Secure Sockets Layer (SSL), S/MIME, and EFS. For example, a user certificate can be used for both user authentication and EFS encryption.

Both Windows 2000 and Windows Server 2003 support single-purpose and multipurpose templates. However, Windows 2000 and Windows Server 2003 Standard Edition only support version 1 templates, which have read-only attributes that cannot be customized or extended. Windows Server 2003, Enterprise Edition supports version 2 templates, which allow you to create new certificate templates, clone an existing template, and replace templates that are already in use.

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**Reference:**

[http://technet.microsoft.com/en-us/library/cc786499\(v=ws.10\).aspx](http://technet.microsoft.com/en-us/library/cc786499(v=ws.10).aspx)

**QUESTION:** 143

Your network contains an Active Directory domain named contoso.com. The domain contains a Microsoft System Center 2012 infrastructure. You deploy a service named Service1 by using a service template. Service1 contains two virtual machines. The virtual machines are configured as shown in the following table.

Virtual machine name	Roles and software
VM1	Web server Windows Server 2012 R2 Operations Manager agent Configuration Manager agent
VM2	Windows Server 2012 R2 Operations Manager agent Microsoft SQL Server 2012 Configuration Manager agent

You need to recommend a monitoring solution to ensure that an administrator can review the availability information of Service1. You need to recommend a monitoring solution to ensure that an administrator can review the availability information of Service1. Solution: From Configuration Manager, you create a Collection and a Desired Configuration Management baseline. Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

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