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2016 February NEW 70-414 Exam Questions & NEW 70-414 Dumps are Released Today! Exam Code: 70-414 Exam Name: Implementing an Advanced Server Infrastructure Certification Provider: Microsoft Corresponding Certifications: MCSE, MCSE: Server Infrastructure 2016 NEW 70-414 Test Skills: 1. Manage and maintain a server infrastructure 2. Plan and implement a highly available enterprise infrastructure 3. Plan and implement a server virtualization infrastructure 4. Design and implement identity and access solutions ATTENTION: 2016 NEW UPDATED 70-414 Exam Questions are the most important! 2016 February NEW Added 70-414 Exam Questions: QUESTION 231 A company has offices in Seattle and Shanghai. You use Hyper-V Server 2012 R2 as the server virtualization platform. Each office has a secured server room where all the servers are located. Eighty percent of the company's servers are virtual. The company signs a data center services agreement with a vendor that is located in New York. The agreement includes a 1GB per second link to the collocation facility in New York. The link between the Seattle and Shanghai offices is slow and unreliable. You must design and implement a data recovery solution to replicate virtual servers from Seattle to both the New York and Shanghai locations. The solution must support the following requirements: - Perform failover replication from Seattle to New York. - Perform scheduled replication between as many locations as possible. - In case of a disaster, a fast failover should be possible to the replicated servers with minimal changes required to the existing infrastructure. Which two actions should you perform? Each correct answer presents part of the solution. A. Use Hyper-V Replica unplanned failovers. B. Use Hyper-V Replica planned failovers. C. Configure the Seattle Hyper-V server as the primary replica server and the New York Hyper-V server as the secondary replica server. D. Configure the Seattle Hyper-V server as the primary replica server and the Shanghai Hyper-V server as the secondary replica server. Answer: BC QUESTION 232 You administer a group of servers that run Windows Server 2012 R2. You must install all updates. You must report on compliance with the update policy on a monthly basis. You need to configure updates and compliance reporting for new devices. What should you do? A. In Operations Manager, create an override that enables the software updates management pack. Apply the new override to the servers. B. In Orchestrator, create a software runbook that installs all required updates to the servers on a monthly schedule. Start the runbook. C. In configuration manager, deploy a new desired configuration management baseline that includes all required updates. D. Configure Windows Server Update Service (WSUS) to automatically approve all updates. Configure the servers to use the WSUS server for updates. Answer: C Explanation: <https://technet.microsoft.com/en-us/library/bb680553.aspx> QUESTION 233 You have a Hyper-V host named Server1 that runs Windows Server 2012 R2. Server1 hosts 50 virtual machines that run Windows Server 2012 R2. Your company uses smart cards for authentication. You need to ensure that you can use smart card authentication when you connect to the virtual machine by using Virtual Machine Connection. What should you configure? A. The NUMA Spanning settings B. The RemoteFX settings C. The Enhanced Session Mode Policy D. The Integration Services settings Answer: C QUESTION 234 You have a Hyper-V host named Server1 that runs Windows Server 2012 R2. Server1 hosts a virtual machine named VM1 that runs Windows Server 2012 R2. VM1 has several snapshots. You need to modify the snapshot file location of VM1. What should you do? A. Delete the existing snapshots, and then modify the settings of VM1. B. Right-click VM1, and then click Move. C. Right-click VM1, and then click Export... D. Pause VM1, and then modify the settings of VM1. Answer: A Explanation: You will need to navigate to the Hyper-V Management snap-in (C:\ProgramData\Microsoft\Windows\Hyper-V) and from there access the Snapshot file Location tab where you can change the settings for the VM1 snapshot file location. However, since there are already several snapshots in existence, you will need to delete them first because you will not be able to change the location of the snapshot file while there is an existing snapshot. You need to modify the snapshot file location of VM1. QUESTION 235 You manage a Hyper-V 2012 cluster by using System Center Virtual Machine Manager 2012 SP1. You need to ensure high availability for business-critical virtual machines (VMs) that host business-critical SQL server databases. Solutions: You create a custom placement rule and apply it to all business-critical VMs. Does this meet the goal? A. YES B. NO Answer: D QUESTION 236 You manage a Hyper-V 2012 cluster by using System Center Virtual Machine Manager 2012 SP1. You need to ensure high availability for business-critical virtual machines (VMs) that host business-critical SQL server databases. Solutions: You create an availability set and place each business-critical VM in the set. Does this meet the goal? A. YES B. NO Answer: B Case Study 8: Contoso Ltd Case E (QUESTION 237 - QUESTION 243) General Background You are the system administrator for Contoso, Ltd. The company has a main office in Dallas and a sales office in San Francisco. All of the data centers for the company have network connectivity to each other. There is a single Active Directory Services (AD DS) domain for the entire company named contoso.com. Main Office Environment The primary data center is located in Contoso's main office in Dallas. Main Office Clusters The data center has a cluster named Cluster1 that runs Windows Server 2012 R2. Cluster1 uses the domain Cluster1.contoso.com. The cluster is partially configured and has three server nodes. The cluster uses storage area network (SAN) attached storage. There are no cluster roles assigned. Cluster1 contains the following domains: -

CLUS1-SRV1.contoso.com- CLUS1-SRV2.contoso.com- CLUS1-SRV3.contoso.com In addition, the environment contains two Windows Server 2012 R2 Hyper-V clusters named HV-Cluster1 and HV-Cluster2. HV-Cluster1 and HV-Cluster2 use Fibre Channel SAN storage. The Hyper-C clusters contain server nodes as showing in the following table:

HV-Cluster1	HV-Cluster2
HV-SERVER1	HV-DEVSERVER1
HV-SERVER2	HV-DEVSERVER2
HV-SERVER3	HV-DEVSERVER3
HV-SERVER4	HV-DEVSERVER4

Main office networkThe main office data center uses a virtual local area network (VLAN) to deploy servers by using PXE boot. The VLAN ID is 30, and it uses the subnet 10.15.30.0/24. There is a firewall that prevents all inbound connections to all servers in the data center except for the subnet 10.50.50.0/24. Contoso has two additional VLANs as shown in the following table:

VLAN ID	Subnet	Pu
30	10.15.30.0/24	
31	10.15.40.0/24	
32	10.15.50.0/24	

The Windows PowerShell command `Get-ClusterSharedVolumeState ?name ?Cluster1.contoso.com?` returns the following data:
Name: Cluster Disk X
VolumeName: \?Volume{2297f079-53c2-41e9-94d1-483d61ea67d7}
Node: Clus1-Srv1
StateInfo: Direct
VolumeFriendlyName: Volume1
FileSystemRedirectedIOReason: NotFileSystemRedirected
Name: Cluster Disk Y
VolumeName: \?Volume{0312ef48-74c7-4a4d-946e-4bb4a397ad1f}
Node_ Clus1-Srv2
StateInfo: FileSystemRedirected
VolumeFriendlyName: Volume2
FileSystemRedirectedIOReason: UserRequestBlockRedirected
IOReason: NotBlocked
Redirected Name: Cluster Disk Z
VolumeName: \?Volume{c4689cef-83e3-4f47-9eaf-161a9e31c4a0}
Node_ Clus1-Srv3
StateInfo: Block Redirected
VolumeFriendlyName: Volume3
FileSystemRedirectedIOReason: NotFileSystemRedirected
BlockRedirectedIOReason: NoDiskConnectivity
Sales office servers
The data center has the following virtual and physical servers:- two standalone servers that are not joined to the contoso.com domain named SERVER1 and SERVER2- two dedicated storage servers that are allocated, but not yet built, named STORAGE1 and STORAGE2. STORAGE1 and STORAGE2 each have 48 GB of RAM and 10 1-TB SAS disks.
Sales office clusters
The data center has a cluster named Cluster2 that runs Windows Server 2012 R2. Cluster2 uses the domain Cluster2.contoso.com. The cluster is partially configured and has three server nodes. The cluster uses SAN attached storage. There are no cluster roles assigned. Cluster 2 contains the following domains:- CLUS2-SRV1.contoso.com- CLUS2-SRV2.contoso.com- CLUS2-SRV3.contoso.com
In addition, the environment contains two Windows Server 2012 R2 Hyper-V clusters named HV-Cluster3 and HV-Cluster4. HV-Cluster3 and HV-Cluster4 use Fibre Channel SAN storage. The Hyper-V clusters contain server nodes as shown in the following table:

HV-Cluster3	HV-Cluster4
HV-SERVER2	HV-SERVER2

SAN storage configuration for Cluster4
The Windows PowerShell command `Get-ClusterSharedVolumeState-name ?Cluster4.contoso.com?` returns the following data:
Name: Cluster Disk X
VolumeName: \?Volume{09009c16-d33e-49fb-aa6a-abdb31921e76}
Node: Clus2-Srv1
StateInfo: Direct
VolumeFriendlyName: Volume1
FileSystemRedirectedIOReason: NotFileSystemRedirected
BlockRedirectedIOReason: NotBlocked
Redirected Name: Cluster Disk Y
VolumeName: \?Volume{a6cedeab-6966-4eb0-b5c1-b819c6c34fbf}
Node: Clus2-Srv2
StateInfo: FileSystemRedirected
VolumeFriendlyName: Volume2
FileSystemRedirectedIOReason: User RequestBlockRedirected
IOReason: NotBlocked
Redirected Name: Cluster Disk Z
VolumeName: \?Volume{b1230d74-c323-4503-8e90-ede22cd6bb7c}
Node: Clus2-Srv3
StateInfo: Block Redirected
VolumeFriendlyName: Volume3
FileSystemRedirectedIOReason: NotFileSystemRedirected
BlockRedirectedIOReason: NotDiskConnectivity
New Hyper-V cluster
The company needs a new Hyper-V Cluster for the sales users. The cluster must use existing servers. The servers must be available to sales users even if there is network connectivity loss between the main office and the sales office.
App1
The company has a web application named App1. App1 must be accessible from the Internet. App1 must use network load balancing (NLB). The NLB cluster must support Internet Group Management Protocol (IGMP).
New folder share
The company has a domain-based Distributed File System (DFS Namespace) for the HR department named \contosoHR, but it needs a new folder share for the HR users. The folder share has the following requirements:- You must create an Active Directory group named HR-Users. The group must be able to access the data on the folder share. - There must be two file servers that replicate the data.- The data must be available even if a single server is down.- Maintenance must be performed on Sundays.- You must replicate files in the shared folder daily.
New web application servers
Contoso plans to deploy new web application servers. The web application servers must use diskless boot. They must also use the two dedicated storage servers.
Virtual machines
Contoso plans to deploy new development guest virtual machines (VMs). The VMs have the following requirements:- HV-Cluster2 must be used exclusively for development.- The development server must use a private VLAN infrastructure.
In addition, Contoso plans to convert the physical server named DAL-APPSERVER1 to a virtual machine.
Disaster recovery
Contoso needs a disaster recovery plan for HV-Cluster1. VMs must be able to be migrated from HV-Cluster1 to one of the Hyper-V clusters in San Francisco Data Center.
QUESTION 237
Drag and Drop Question
You need to configure the environment to support App1. 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
Connect to APP1-SRV1.contoso.com and select Interface1 .	
Select a priority of 1 in host parameters, and then add the cluster IP address and subnet mask.	
Connect to APP1-SRV1.contoso.com and select Interface2 .	
Add APP1-SRV2.contoso.com to the cluster.	
Select unicast for cluster operation mode.	

Answer:

Actions	Answer Area
Select a priority of 1 in host parameters, and then add the cluster IP address and subnet mask.	Connect to APP1-SRV1.contoso.com and select Interface1 .
	Connect to APP1-SRV1.contoso.com and select Interface2 .
	Select unicast for cluster operation mode.
	Add APP1-SRV2.contoso.com to the cluster.

QUESTION 238 You need to deploy the dedicated storage servers to support the new web application servers. What should you do?

A. Install windows storage server 2012 R2 workgroup on STORAGE1 and STORAGE2. Use STORAGE 1 and STORAGE2 as scale-out file servers.

B. Install windows storage server 2012 R2 standard on STORAGE1 and STORAGE2. Use STORAGE1 and STORAGE2 as ISCSI target servers.

C. Install windows storage server 2012 R2 workgroup on STORAGE1 and STORAGE2. Use STORAGE1 and STORAGE2 as ISCSI target servers.

D. Install windows storage server 2012 R2 standard on STORAGE1 and STORAGE2. Use STORAGE1 and STORAGE2 as scale-out file server.

Answer: D Explanation:

<https://technet.microsoft.com/en-us/library/hh831349.aspx> QUESTION 239 You must prepare the environment for the provision of App1. What two steps do you perform? (Each correct answer presents part of the solution. Choose two.)

A. Install the Data Center Stuttgart a new cluster for App1.

B. Run for each node in the backup datacenter, the Windows PowerShell cmdlet Set-LowerQuorumPriorityNodeID = 1 from.

C. Install the Data Center Frankfurt a new cluster for App1.

D. Run for each node in the backup datacenter, the Windows PowerShell cmdlet Set-NodeWeight = 1 from.

Answer: AB

QUESTION 240 Hotspot Question You need to create a script to deploy DFS replication. Which Windows PowerShell commands should you add to the script? To answer, select the appropriate Windows PowerShell commands in each list in the answer area.

```

New-DfsReplicationGroup -GroupName "RG-HR" | New-DfsReplicatedFolder
-FolderName "HR Data"

New-DfsReplicatedFolder -GroupName "RG-HR" -FolderName "HR Data" |
New-DfsReplicationGroup -GroupName "RG-HR"

Add-DfsrMember -GroupName "RG-HR" -ComputerName "DAL-FS1","DAL-FS2"
Add-DfsrMember -GroupName "RG-HR" -ComputerName "SERVER1","SERVER2"

Add-DfsrConnection -GroupName "RG-HR" -SourceComputerName "DAL-FS1"
-DestinationComputerName "SERVER1"
Add-DfsrConnection -GroupName "RG-HR" -SourceComputerName "SERVER1"
-DestinationComputerName "SERVER2"

Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"DAL-FS1" -DestinationComputerName "DAL-FS2"
Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"DAL-FS1" -DestinationComputerName "DAL-FS2"
Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"SERVER1" -DestinationComputerName "SERVER2"
Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"SERVER1" -DestinationComputerName "SERVER2"
    
```

Answer:

```

New-DfsReplicationGroup -GroupName "RG-HR" | New-DfsReplicatedFolder
-FolderName "HR Data"
New-DfsReplicatedFolder -GroupName "RG-HR" -FolderName "HR Data" |
New-DfsReplicationGroup -GroupName "RG-HR"

Add-DfsrMember -GroupName "RG-HR" -ComputerName "DAL-FS1","DAL-FS2"
Add-DfsrMember -GroupName "RG-HR" -ComputerName "SERVER1","SERVER2"

Add-DfsrConnection -GroupName "RG-HR" -SourceComputerName "DAL-FS1"
-DestinationComputerName "SERVER1"
Add-DfsrConnection -GroupName "RG-HR" -SourceComputerName "SERVER1"
-DestinationComputerName "SERVER2"

Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"DAL-FS1" -DestinationComputerName "DAL-FS2"
Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"DAL-FS1" -DestinationComputerName "DAL-FS2"
Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"SERVER1" -DestinationComputerName "SERVER2"
Set-DfsrConnectionSchedule -GroupName "RG-HR" -SourceComputerName
"SERVER1" -DestinationComputerName "SERVER2"
    
```

QUESTION 241 You need to deploy the virtual network for the development servers. Which two actions should you perform? Each correct answer presents part of the solution. A. Associate VLAN ID 40 with the new logical network. B. On HV-Cluster1, create a new logical network that uses a single connected network. C. Associate VLAN ID 20 with the new logical network. D. On HV-Cluster1, create a new logical network that uses private VLAN networks. E. On HV-Cluster2, create a new logical network that uses a single connected network. F. On HV-Cluster2, create a new logical network that uses private VLAN networks. Answer: AD

QUESTION 242 You need to configure migration for HV-CLUSTER1. What should you do? A. Use live migration between HV-Cluster1 and HV-Cluster3. B. Configure a Hyper-V replica between HV-Cluster1 and HV-Cluster3. C. Configure a Hyper-V replica between HV-Cluster1 and HV-Cluster4. D. Use live migration between HV-Cluster1 and HV-Cluster4. Answer: C

QUESTION 243 You need to change the HR application server environment. What should you do? A. Use Microsoft Virtual Machine Converter 3.0 to convert DAL-APPSEVER2. B. Use Virtual Machine Manager to convert DAL-APPSEVER2. C. Use Microsoft Virtual Machine Converter 3.0 to convert DAL-APPSEVER1. D. Use Virtual Machine Manager to convert DAL-APPSEVER1. Answer: C

QUESTION 244 Your network contains an Active Directory domain named contoso.com. The domain contains four servers named Server1, Server2, Server3, and Server4 that run Windows Server 2012 R2. All servers have the Hyper-V server role and the Failover Clustering feature installed.

Cluster name	Site name	Server name	Virtual machine name
Cluster1	Site1	Server1	VM1
		Server2	VM2
		Server3	VM3
Cluster2	Site2	Server3	VM4
		Server4	VM5

You need to replicate virtual machines from Cluster1 to Cluster2. Which three actions should you perform? (Each correct answer presents part of the solution. Choose three.)
 A. From Hyper-V Manager on a node in Cluster2, create three virtual machines.
 B. From Cluster2, add and configure the Hyper-V Replica Broker role.
 C. From Failover Cluster Manager on Cluster1, configure each virtual machine for replication.
 D. From Cluster1, add and configure the Hyper-V Replica Broker role.
 E. From Hyper-V Manager on a node in Cluster2 modify the Hyper-V settings.
 Answer: BCDE
 Explanation: These are two clusters, to replicate any VM to a cluster you need to configure the Replica Broker role on each cluster the last step should be enabling replication on the VMs.

QUESTION 245 Drag and Drop Question 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	Switch
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

- 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

Answer:

Actions

- Add an infrastructure server.
- Deploy Microsoft Forefront Unified Access Gateway (UAG).
- Configure Teredo transition technology.

Answer Area

- Add an additional Hyper-V host.
- Deploy Windows Server Gateway.
- Add a network service.

QUESTION 246 Drag and Drop Question You use the entire System Center suite. You integrate Service Manager with Operations Manager, Virtual Machine Manager, Orchestrator, and Active Directory. You perform all remediation by using Orchestrator runbooks. An application experiences performance problems on a periodic basis. You have the following requirements:- A new incident must be opened when System Center Operations Manager (SCOM) detects a performance problem.- The incident must be closed when the performance problem is resolved.- The incident must be associated with the HR performance problem in Service Manager. You need to configure the environment.

Actions

- In Operations Manager, create a new monitoring rule that creates an alert.
- In Service Manager, create a Business Service for the application, and associate it with the existing problem.
- In Service Manager, create a new incident template with a relationship to the existing problem.
- In Service Manager, create a new SCOM Alert connector.

Answer Area

Answer:

Actions

- In Operations Manager, create a new monitoring rule that creates an alert.

Answer Area

- In Service Manager, create a Business Service for the application, and associate it with the existing problem.
- In Service Manager, create a new SCOM Alert connector.
- In Service Manager, create a new incident template with a relationship to the existing problem.

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