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Implementing an Advanced Server Infrastructure

Microsoft 70-414

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Topic Break Down

Topic	No. of Questions
Topic 1, Case Study 1	12
Topic 2, Case Study 2	11
Topic 3, Case Study 3	11
Topic 4, Case Study 4	16
Topic 5, Case Study 5	13
Topic 6, Case Study 6	9
Topic 7, Case Study 7	15
Topic 8, Case Study 8	4
Topic 9, Case Study 9	6
Topic 10, Mixed Questions	180
Total	277

QUESTION NO: 1

Your network contains the following roles and applications:

- Microsoft SQL Server 2012
- Distributed File System (DFS) Replication
- Active Directory Domain Services (AD DS)
- Active Directory Rights Management Services (AD RMS) ▪ Active Directory Lightweight Directory Services (AD LDS)

You plan to deploy Active Directory Federation Services (AD FS).

You need to identify which deployed services or applications can be used as attribute stores for the planned AD FS deployment.

What should you identify? (Each correct answer presents a complete solution. Choose all that apply.)

- A. DFS
- B. AD RMS
- C. Microsoft SQL Server 2012
- D. AD LDS
- E. AD DS

ANSWER: C D E

QUESTION NO: 2

Your company has an office in New York.

Many users connect to the office from home by using the Internet.

You deploy an Active Directory Certificate Services (AD CS) infrastructure that contains an enterprise certification authority (CA) named CA1. CA1 is only available from hosts on the internal network.

You need to ensure that the certificate revocation list (CRL) is available to all of the users.

What should you do? (Each correct answer presents part of the solution. Choose three.)

- A. Create a scheduled task that copies the CRL files to a Web server.
- B. Run the Install-ADCSWebEnrollment cmdlet.
- C. Run the Install-EnrollmentPolicyWebService cmdlet.
- D. Deploy a Web server that is accessible from the Internet and the internal network.

E. Modify the location of the Authority Information Access (AIA).

F. Modify the location of the CRL distribution point (CDP).

ANSWER: A D F

Explanation:

CRLs will be located on Web servers which are Internet facing.

CRLs will be accessed using the HTTP retrieval protocol.

CRLs will be accessed using an external URL of `http://dp1.pki.contoso.com/pki`

F: To successfully authenticate an Internet Protocol over Secure Hypertext Transfer Protocol (IP-HTTPS)-based connection, DirectAccess clients must be able to check for certificate revocation of the secure sockets layer (SSL) certificate submitted by the DirectAccess server. To successfully perform intranet detection, DirectAccess clients must be able to check for certificate revocation of the SSL certificate submitted by the network location server. This procedure describes how to do the following:

- Create a Web-based certificate revocation list (CRL) distribution point using Internet Information Services (IIS)
- Configure permissions on the CRL distribution shared folder
- Publish the CRL in the CRL distribution shared folder

QUESTION NO: 3

Your network contains the following roles and applications:

- Microsoft SQL Server 2012
- File and Storage Services
- Active Directory Domain Services (AD DS)
- Active Directory Certificate Services (AD CS) ▪ Web Server (IIS)

You plan to deploy Active Directory Federation Services (AD FS).

You need to identify which deployed services or applications can be used as attribute stores for the planned AD FS deployment.

What should you identify? (Each correct answer presents a complete solution. Choose all that apply.)

- A.** File and Storage Services
- B.** AD CS
- C.** Microsoft SQL Server 2012
- D.** IIS
- E.** AD DS

ANSWER: C E

QUESTION NO: 4

You administer an Active Directory Domain Services forest that includes an Active Directory Federation Services (AD FS) server and Azure Active Directory. The fully qualified domain name of the AD FS server is adfs.contoso.com.

You must implement single sign-on (SSO) for a cloud application that is hosted in Azure. All domain users must be able to use SSO to access the application.

You need to configure SSO for the application.

Which two actions should you perform? Each correct answer presents part of the solution.

- A.** Use the Azure Active Directory Synchronization tool to configure user synchronization.
- B.** Use the AD FS Configuration wizard to specify the domain and administrator for the Azure Active Directory service.
- C.** Create a trust between AD FS and Azure Active Directory.
- D.** In the Azure management portal, activate directory synchronization.

ANSWER: A B

QUESTION NO: 5

You need to recommend changes to the existing environment to meet the PII requirement.

What should you recommend?

- A.** In the Default Domain Policy, configure auto-enrollment for the S/MIME certificates from ProsewareCA.
- B.** Create an AD RMS cluster in Proseware, and then provision the user accounts in Proseware for the Fabrikam users.
- C.** Configure Active Directory Federation Services (AD FS) in Fabrikam, and then install a web application proxy in Proseware.
- D.** In the Default Domain Policy, configure auto-enrollment for the S/MIME certificates from FabrikamCA.

ANSWER: B

QUESTION NO: 6

Your network contains an Active Directory domain named contoso.com. You currently have an intranet web site that is hosted by two Web servers named Web1 and Web2. Web1 and Web2 run Windows Server 2012. Users use the name intranet.contoso.com to request the web site and use DNS round robin.

You plan to implement the Network Load Balancing (NLB) feature on Web1 and Web2. You need to recommend changes to the DNS records for the planned implementation.

What should you recommend?

- A. Create one alias (CNAME) record named Intranet. Map the CNAME record to Intranet.
- B. Delete both host (A) records named Intranet. Create a pointer (PTR) record for each Web server.
- C. Create a new host (A) record named Intranet. Remove both host (A) records for Web1 and Web2.
- D. Delete one of the host (A) records named Intranet. Modify the remaining host (A) record named Intranet.

ANSWER: D

Explanation:

We are currently using Round Robin. We therefore have two host (A) records named "intranet" in DNS: one pointing to the IP address of Web1 and one pointing to the IP address of Web2.

To move to Network Load Balancing (NLB), we just need one host (A) record pointing to the NLB cluster IP address. Therefore, the solution is to delete one of the "intranet" host (A) records and point the remaining "intranet" host (A) record to the NLB cluster IP address.

QUESTION NO: 7

You have a Windows Server 2012 R2 failover cluster that contains four nodes. The cluster has Dynamic Optimization enabled.

You deploy three highly available virtual machines to the cluster by using System Center 2012 R2 Virtual Machine Manager (VMM).

You need to prevent Dynamic Optimization from placing any of the three virtual machines in the same node.

What should you do?

- A. From the Virtual Machine Manager console, modify the Servicing Windows settings of the virtual machines.
- B. Set the AntiAffinityClassName property of the virtual machine cluster role.
- C. From the Virtual Machine Manager console, modify the Compatibility settings in the Hardware Configuration properties of the virtual machines.
- D. Set the DefaultOwner property of the virtual machine cluster role.
- E. From the Virtual Machine Manager console, modify the Custom Properties of the virtual machines.

ANSWER: B

QUESTION NO: 8 - (HOTSPOT)

HOTSPOT

You need to implement the file share for the new virtual desktop environment.

How should you configure the implementation? To answer, select the appropriate option from each list in the answer area.

Hot Area:

Answer Area

Requirement	Option
Data center	<input type="text"/> Chicago Seattle
Site	<input type="text"/> Site1 Site2 Site3 Site4
Storage type	<input type="text"/> Storage Spaces data deduplication iSCSI target block storage Distributed File System replication

ANSWER:

Answer Area

Requirement	Option
Data center	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #e0e0e0; padding: 2px; display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="padding: 2px;">Chicago</div> <div style="padding: 2px;">Seattle</div> </div>
Site	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #e0e0e0; padding: 2px; display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="padding: 2px;">Site1</div> <div style="padding: 2px; background-color: #c8e6c9;">Site2</div> <div style="padding: 2px;">Site3</div> <div style="padding: 2px;">Site4</div> </div>
Storage type	<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #e0e0e0; padding: 2px; display: flex; justify-content: flex-end; align-items: center;">▼</div> <div style="padding: 2px;">Storage Spaces</div> <div style="padding: 2px;">data deduplication</div> <div style="padding: 2px; background-color: #c8e6c9;">iSCSI target block storage</div> <div style="padding: 2px;">Distributed File System replication</div> </div>

Explanation:

QUESTION NO: 9 - (DRAG DROP)

DRAG DROP

You are planning the permissions for installing the certification authority (CA) servers.

You need to ensure that the account has the minimum permissions required to accomplish the task.

Which permissions should you assign? To answer, drag the appropriate group to the correct installation task. Each group may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Select and Place:

Answer Area

- Local Administrators
- CONTOSO\Domain Admins
- CONTOSO\Enterprise Admins
- CONTOSO\Certificate Admins

Installation Task	Permission
Install a CA on DETROOTCA	Group
Install a CA on DETCA01 and CHICA01	Group

ANSWER:

Answer Area

- Local Administrators
-
-
- CONTOSO\Certificate Admins

Installation Task	Permission
Install a CA on DETROOTCA	CONTOSO\Enterprise Admins
Install a CA on DETCA01 and CHICA01	CONTOSO\Domain Admins

Explanation:

QUESTION NO: 10

You plan to allow users to run internal applications from outside the company's network. You have a Windows Server 2012 R2 that has the Active Directory Federation Services (AD FS) role installed. You must secure on-premises resources by using multi-factor authentication (MFA). You need to design a solution to enforce different access levels for users with personal Windows 8.1 or iOS 8 devices.

Solution: You install a local instance of the MFA Server. You connect the instance to the Microsoft Azure MFA provider and then you use Microsoft Intune to manage personal devices.

Does this meet the goal?

- A. Yes
- B. No

ANSWER: A

QUESTION NO: 11

Your network contains an Active Directory domain named contoso.com. The network contains a server named Server1 that has the Hyper-V server role installed. Server1 hosts a virtual machine named VM1.

You deploy a new standalone server named Server2. You install the Hyper-V server role on Server2. Another administrator named Admin1 plans to create a replica of VM1 on Server2. You need to ensure that Admin1 can configure Server2 to receive a replica of VM1.

To which group should you add Admin1?

- A. Server Operators
- B. Domain Admins
- C. Hyper-V Administrators
- D. Replicator

ANSWER: C

QUESTION NO: 12 - (HOTSPOT)

HOTSPOT

Your network contains five physical servers. The servers are configured as shown in the following table.

Server name	Role
DC1	Domain controller DHCP server DNS server
SQL1	Microsoft SQL Server 2012 database server
DPM1	Microsoft System Center 2012 R2 Data Protection Manager (DPM)
Server1	Microsoft System Center 2012 R2 Virtual Machine Manager (VMM) management server
Server2	Microsoft System Center 2012 R2 Virtual Machine Manager (VMM) library server

All servers run Windows Server 2012 R2.

During the setup of VMM, you configure distributed key management.

You need to ensure that the entire VMM infrastructure can be restored.

What should you include in the backup plan? To answer, select the appropriate server to back up for each backup content type in the answer.

Hot Area:

Answer Area

System state:

	▼
DC1	
Server1	
Server2	
SQL1	

VMM databases:

	▼
DC1	
Server1	
Server2	
SQL1	

All disk volumes:

	▼
DC1	
Server1	
Server2	
SQL1	

ANSWER:

Answer Area

System state:

	▼
DC1	
Server1	
Server2	
SQL1	

VMM databases:

	▼
DC1	
Server1	
Server2	
SQL1	

All disk volumes:

	▼
DC1	
Server1	
Server2	
SQL1	

Explanation:

QUESTION NO: 13 - (DRAG DROP)

DRAG DROP

Your network contains servers that run Windows Server 2012. The network contains two servers named Server1 and Server2 that are connected to a SAS storage device. The device only supports two connected computers.

Server1 has the iSCSI Target Server role service installed. Ten application servers use their iSCSI Initiator to connect to virtual disks in the SAS storage device via iSCSI targets on Server1.

Currently, Server2 is used only to run backup software.

You install the iSCSI Target Server role service on Server2.

You need to ensure that the iSCSI targets are available if Server1 fails.

Which five actions should you perform?

To answer, move the five appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions
Add the iSCSI Target Server cluster role
Create a cluster
Install the Failover Clustering feature
Install the Network Load Balancing (NLB) feature
Reconfigure the iSCSI Initiator settings
Install the DFS Replication role service
Create iSCSI targets

Answer Area

ANSWER:

Actions
Install the Network Load Balancing (NLB) feature
Install the DFS Replication role service

Answer Area
Install the Failover Clustering feature
Create a cluster
Add the iSCSI Target Server cluster role
Create iSCSI targets
Reconfigure the iSCSI Initiator settings

Explanation:

References: <http://blogs.msdn.com/b/clustering/archive/2012/05/01/10299698.aspx>

QUESTION NO: 14

You have a Windows Server 2012 R2 failover cluster that contains four nodes. The cluster has Dynamic Optimization enabled.

You deploy three highly available virtual machines to the cluster by using System Center 2012 R2 Virtual Machine Manager (VMM).

You need to prevent Dynamic Optimization from placing any of the three virtual machines in the same node.

What should you do?

- A. From the Virtual Machine Manager console, modify the Compatibility settings in the Hardware Configuration properties of the virtual machines.
- B. Set the DefaultOwner property of the virtual machine cluster role.
- C. From the Virtual Machine Manager console, modify the Servicing Windows settings of the virtual machines.
- D. From the Virtual Machine Manager console, modify the Availability settings in the Hardware Configuration properties of the virtual machines.
- E. From the Virtual Machine Manager console, modify the Custom Properties of the virtual machines.
- F. Set the PersistentState property of the virtual machine cluster role.

ANSWER: D

QUESTION NO: 15

Your network contains an Active Directory domain named contoso.com. The domain contains two member servers named Server1 and Server2. All servers run Windows Server 2012 R2. Server1 and Server2 have the Failover Clustering feature installed.

The servers are configured as nodes in a failover cluster named Cluster1. Cluster1 has access to four physical disks. The disks are configured as shown in the following table.

You need to ensure that all of the disks can be added to a Cluster Shared Volume (CSV).

Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. Enable BitLocker on Disk4.
- B. Disable BitLocker on Disk1.
- C. Format Disk2 to use NTFS.
- D. Format Disk3 to use NTFS.

ANSWER: C D

Explanation:

You cannot use a disk for a CSV that is formatted with FAT, FAT32, or Resilient File System (ReFS).