



**Vendor:** Microsoft

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**Exam Name:** Designing and Implementing a Server  
Infrastructure

**Version:** DEMO

**Case Study 1 - Proseware, Inc (Question 2 - Question 10)**

**Case Study 2 - Contoso, Ltd (Question 11 - Question 22)**

**Case Study 3 - Litware, Inc (Question 23 - Question 34)**

**Case Study 4 - Northwind Traders (Question 35 - Question 44)**

**QUESTION 1**

Your network contains 50 servers that run Windows Server 2003 and 50 servers that run Windows Server 2008.

You plan to implement Windows Server 2012 R2.

You need to create a report that includes the following information:

- The servers that run applications and services that can be moved to Windows Server 2012 R2
- The servers that have hardware that can run Windows Server 2012 R2
- The servers that are suitable to be converted to virtual machines hosted on Hyper-V hosts that run Windows Server 2012 R2

Solution: You install Windows Server 2012 R2 on a new server, and then you run Microsoft Deployment Toolkit (MDT) 2012.

Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**QUESTION 2**

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

Your company has an enterprise root certification authority (CA) named CA1.

You plan to deploy Active Directory Federation Services (AD FS) to a server named Server1. The company purchases a Microsoft Office 365 subscription.

You plan register the company's SMTP domain for Office 365 and to configure single sign-on for all users.

You need to identify which certificate or certificates are required for the planned deployment.

Which certificate or certificates should you identify?

(Each correct answer presents a complete solution. Choose all that apply.)

- A. a server authentication certificate that is issued by a trusted third-party root CA and that contains the subject name server1.contoso.com
- B. a server authentication certificate that is issued by CA1 and that contains the subject name Server1
- C. a server authentication certificate that is issued by a trusted third-party root CA and that contains the subject name Server1
- D. a server authentication certificate that is issued by CA1 and that contains the subject name server1.contoso.com
- E. self-signed server authentication certificates for server1.contoso.com

**Answer: DE**

**Explanation:**

Use the full name. The subject name is commonly represented by using an X.500 or Lightweight Directory Access Protocol (LDAP) format.

### QUESTION 3

Your company plans to hire 100 sales representatives who will work remotely.

Each sales representative will be given a laptop that will run Windows 7. A corporate image of Windows 7 will be applied to each laptop.

While the laptops are connected to the corporate network, they will be joined to the domain. The sales representatives will not be local administrators.

Once the laptops are configured, each laptop will be shipped by courier to a sales representative.

The sales representative will use a VPN connection to connect to the corporate network.

You need to recommend a solution to deploy the VPN settings for the sales representatives. The solution must meet the following requirements:

Ensure that the VPN settings are the same for every sales representative. Ensure that when a user connects to the VPN, an application named App1 starts.

What is the best approach to achieve the goal? More than one answer choice may achieve the goal. Select the BEST answer.

- A. VPN auto triggering
- B. The Add-VpnConnectioncmdlet
- C. The Connection Manager Administration Kit (CMAK)
- D. Group Policy preferences

**Answer: C**

#### Explanation:

If you use the Measureup tests it says Add-VpnConnection can be used on Windows 7 but I have tried on several machines and it just isn't there in Powershell so either Measureup are just repeating what Microsoft has told them or they are wrong.

### QUESTION 4

You have a System Center 2012 R2 Virtual Machine Manager (VMM) infrastructure that manages five Hyper-V hosts. The Hyper-V hosts are not clustered.

You have a virtual machine template that deploys a base image of Windows Server 2012 R2.

No role services or features are enabled in the base image.

You need to deploy a virtual machine named VM1 that is based on the virtual machine template.

VM1 will be deployed as part of a service.

VM1 must have the Web Server (IIS) server role installed.

The solution must not require modifications to the virtual machine template or the base image.

What are two possible profile types that achieve the goal?

Each correct answer presents a complete solution.

- A. Capability
- B. Application
- C. Guest OS
- D. Hardware
- E. Physical Computer

**Answer: BC**

#### Explanation:

How to Create and Deploy a Virtual Machine from a Template

<http://technet.microsoft.com/en-us/library/hh882403.aspx>

### QUESTION 5

Your network contains a server named Server1 that runs Windows Server 2012. Server1 has the DHCP Server server role installed. All of the client computers that are in a subnet named Subnet1 receive their IP address configurations from Server1.

You plan to add another DHCP server named Server2 to Subnet1.

You need to recommend changes to the DHCP infrastructure to ensure that the client computers continue to receive IP addressing information if a single DHCP server fails.

What should you do?

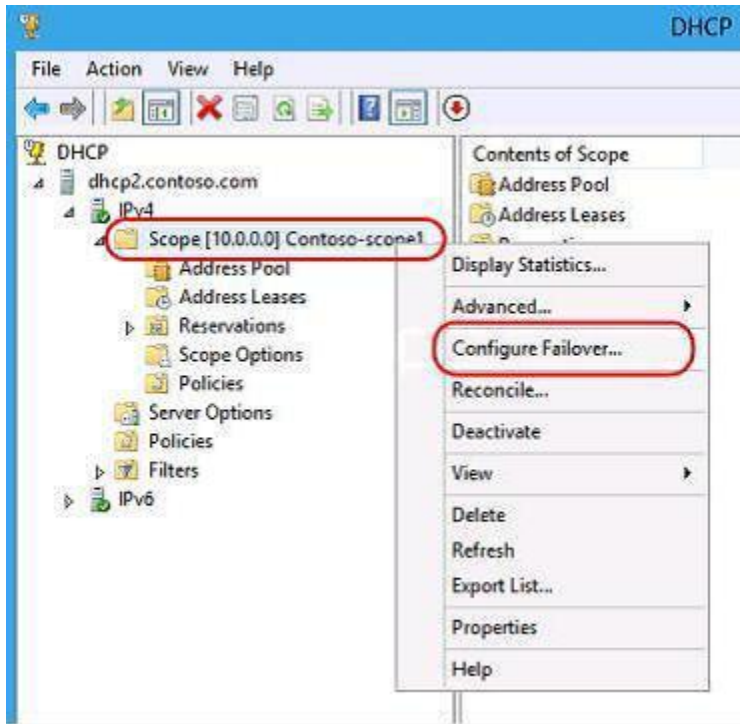
More than one answer choice may achieve the goal. Select the BEST answer.

- A. Create a Network Load Balancing (NLB) cluster.
- B. Configure Failover for the scope.
- C. Create a DHCP failover cluster.
- D. Create a split scope.

**Answer: B**

**Explanation:**

<http://blogs.technet.com/b/keithmayer/archive/2012/10/28/step-by-step-scoping-out-the-new-dhcpfailover-inwindows-server-2012-31-days-of-favorite-features-part-28-of-31.aspx#.UQhW-b-jbK0>



#### QUESTION 6

Your network contains an Active Directory domain named contoso.com. All domain controllers run Windows Server 2012 R2. The forest functional level is Windows Server 2012.

Your company plans to deploy an application that will provide a search interface to users in the company. The application will query the global catalog for the Employee-Number attribute.

You need to recommend a solution to ensure that the application can retrieve the Employee-Number value from the global catalog.

What should you include in the recommendation?

- A. the Dsmod command
- B. the Ldifde command
- C. the Enable-ADOptionalFeaturecmdlet
- D. the Csvde command

**Answer: B**

**Explanation:**

<http://technet.microsoft.com/en-us/library/ee617209.aspx> - Enable-AdOptionalFeature  
<http://technet.microsoft.com/en-us/library/ee617218.aspx> - Get-ADOptionalFeature (as of W2012R2, only OptionalFeature is ActiveDirectory Recycle Bin).

#### QUESTION 7

Your network contains an Active Directory domain named contoso.com. On several organizational units (OUs), an administrator named Admin1 plans to delegate control of custom tasks.

You need to ensure that Admin1 can delegate a custom task named Task1 by using the Delegation of Control Wizard.

What should you do?

- A. Add a new class to the Active Directory schema.
- B. Configure a custom MMC console.
- C. Modify the Delegwiz.inf file.
- D. Configure a new authorization store by using Authorization Manager.

**Answer: C**

**Explanation:**

<http://support.microsoft.com/kb/308404>

#### QUESTION 8

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

The domain contains multiple sites.

You plan to deploy DirectAccess. The network security policy states that when client computers connect to the corporate network from the Internet, all of the traffic destined for the Internet must be routed through the corporate network.

You need to recommend a solution for the planned DirectAccess deployment that meets the security policy requirement.

What should you include in the recommendation?

- A. Set the ISATAP State to state enabled.
- B. Enable split tunneling.
- C. Set the ISATAP State to state disabled.
- D. Enable force tunneling.

**Answer: D**

**Explanation:**

<http://blogs.technet.com/b/csstwplatform/archive/2009/12/15/directaccess-how-toconfigure-forcetunneling-forda-so-that-client-are-forced-to-use-ip-https.aspx>

You can configure DirectAccess clients to send all of their traffic through the tunnels to the DirectAccess server with force tunneling. When force tunneling is configured, DirectAccess clients that detect that they are on the Internet modify their IPv4 default route so that default route IPv4 traffic is not sent. With the exception of local subnet traffic, all traffic sent by the DirectAccess client is IPv6 traffic that goes through tunnels to the DirectAccess server.

**QUESTION 9**

Hotspot Question

Your network contains an Active Directory domain named contoso.com. The domain has a certification authority (CA). You create four certificate templates. The templates are configured as shown in the following table,

Template name	Application policy
Template1	Smart card logon
Template2	Client authentication
Template3	Time stamping
Template4	Server authentication

You install the Remote Access server role in the domain. You need to configure DirectAccess to use one-time password (OTP) authentication. What should you do? To answer, select the appropriate options in the answer area,

**Answer Area**

Software to deploy to contoso.com:

- Network Device Enrollment Service (NDES)
- Network Policy Server (NPS)
- Windows Identity Foundation (WIF) 3.5

Certificate template to use for OTP:

- Template1
- Template2
- Template3
- Template4

**Answer:**

**Answer Area**

Software to deploy to contoso.com:

- Network Device Enrollment Service (NDES)
- Network Policy Server (NPS)
- Windows Identity Foundation (WIF) 3.5

Certificate template to use for OTP:

- Template1
- Template2
- Template3
- Template4

**QUESTION 10**

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

You plan to deploy 200 Hyper-V hosts by using Microsoft System Center 2012 Virtual Machine Manager (VMM) Service Pack 1 (SP1).

You add a PXE server to the fabric.

You need to identify which objects must be added to the VMM library for the planned deployment.

What should you identify? (Each correct answer presents part of the solution. Choose all that apply.)

- A. A host profile
- B. A capability profile
- C. A hardware profile
- D. A generalized image
- E. A service template

**Answer:** AD

**Explanation:**

Templates and profiles are used to standardize the creation of virtual machines and services. These configurations are stored in the VMM database but are not represented by physical configuration files.

There are several new types of templates and profiles in VMM, most of which are used for service creation.

There are also host profiles, used for deploying a Hyper-V host from a bare-metal computer, and capability profiles, used to specify the capabilities of virtual machines on each type of supported hypervisor when virtual machines are deployed to a private cloud.

Note:

\* host profile:

A Virtual Machine Manager library resource that contains hardware and operating system configuration settings to convert a bare-metal computer to a managed Hyper-V host.

\*capability profile:

A Virtual Machine Manager library resource that defines which resources (for example, number of processors or maximum memory) are available to a virtual machine that is created in a private cloud.

\* Incorrect: service template:

A Virtual Machine Manager library resource that contains the configuration settings used to deploy each tier of a service.

Reference: Technical Documentation for System Center 2012 Virtual Machine Manager

**QUESTION 11**

You plan to deploy multiple servers in a test environment by using Windows Deployment Services (WDS).

You need to identify which network services must be available in the test environment to deploy the servers.

Which network services should you identify?

(Each correct answer presents part of the solution. Choose all that apply.)

- A. DHCP
- B. Active Directory Domain Services (AD DS)
- C. DNS
- D. Active Directory Lightweight Directory Services (AD LDS)
- E. WINS
- F. Network Policy Server (NPS)

**Answer:** AC

**Explanation:**

<http://technet.microsoft.com/en-us/library/hh831764.aspx>

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