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Windows Server Administration Fundamentals

Microsoft 98-365

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QUESTION NO: 1

Which two services should you use to ensure that your networked computers and servers automatically maintain the latest security patches? (Choose two.)

- A. Windows Server Update Service
- B. Update command in Programs and Features
- C. Microsoft Windows Update
- D. Driver Update in Hardware Properties

ANSWER: A C**Explanation:**

A: Windows Server Update Services (WSUS) enables information technology administrators to deploy the latest Microsoft product updates to computers that are running the Windows operating system. By using WSUS, administrators can fully manage the distribution of updates that are released through Microsoft Update to computers in their network.

C: Windows Update keeps a Windows PC up to date.

QUESTION NO: 2

What is the name for a stand-alone digital storage system connected directly to a server HBA or workstation HBA?

- A. Small Computer System Interface (SCSI)
- B. Direct Attached Storage (DAS)
- C. Network Attached Storage (NAS)
- D. Storage Area Network (SAN)

ANSWER: D**Explanation:**

SAN stands for storage area network. It is an architecture to attach remote computer storage devices to servers in such a way that the devices appear as locally attached to the operating system. Sharing storage usually simplifies storage administration and adds flexibility since cables and storage devices do not have to be physically moved to shift storage from one server to another. SANs also tend to enable more effective disaster recovery processes.

An HBA is a Host Bus Adapter. This is used to connect the computer (server or workstation) to the SAN.

Incorrect Answers:

A: SCSI is a computer bus used to move data to and from computer storage devices such as hard drives and tape drives.

B: Direct-attached storage (DAS) refers to a digital storage system directly attached to a server or workstation, without a storage network in between.

A typical DAS system is made of a data storage device connected directly to a computer through a host bus adapter (HBA). Between those two points, there is no network device (like hub, switch, or router), and this is the main characteristic of DAS. The main protocols used for DAS connections are ATA, SATA, eSATA, SCSI, SAS, and Fibre Channel.

C: Network Attached Storage (NAS) is the hard disk storage that is set up with its own network address rather than being attached to the unit computer that is serving applications of a network's workspace users. A fully-featured operating system is not needed on a NAS device, so often a stripped-down operating system is used. NAS provides both storage and a file system.

QUESTION NO: 3

Which form of authentication sends username and password in clear text?

- A. PAP
- B. CHAP
- C. MS-CHAP
- D. EAP

ANSWER: A**Explanation:**

Password Authentication Protocol (PAP) uses plain text (unencrypted passwords). PAP is the least secure authentication and is not recommended.

QUESTION NO: 4

You want to receive a notification when your server's processor exceeds 80 percent utilization. You should create a:

- A. Performance Alert.
- B. Scheduled task.
- C. Performance Log.
- D. Performance counter.
- E. System Event.

ANSWER: A

QUESTION NO: 5

To enable enhanced keyboard and mouse functions for a Hyper-V virtual machine, you need to install:

- A. Hyper-V Integration Components.
- B. Keyboard and mouse drivers.
- C. Microsoft Updates.
- D. Hyper-V Server.

ANSWER: A**Explanation:**

To get a virtual machine (VM) to work properly, it's critical to install the Hyper-V integration components. These integration components install agents into a VM that enable a host to successfully back up a VM, recognize when it has gone down, copy and paste data into and out of a VM, and synchronize its clock to the host. These components are important to processing a VM's workload: In effect, their installation reconfigures an operating system to make it "aware" that it has been virtualized, resulting in an "enlightened" OS.

QUESTION NO: 6

What command would you use to configure a static IP address and default gateway for a computer running Windows Server 2016 Server Core?

- A. `netsh interface ipv4 set address name="" source=static address= mask= gateway=`
- B. `netsh interface ipv4 set address name="" source=dynamic address= mask= gateway=`
- C. `netsh interface ipv4 set address name="" source=static address= mask= gateway=`
- D. `netsh interface ipv4 set address name="" source=static address= subnet= gateway=`

ANSWER: A**Explanation:**

When you view the output of the netsh command, you need to note the number shown in the idx column for your network adapter. To set a static IP address and default gateway, use the following command:

```
netsh interface ipv4 set address name="" source=static address=mask= gateway=
```

QUESTION NO: 7

You are an IT technician for a company that has an environment consisting entirely of computers running Windows Server 2016 or Windows 10. Your network is configured as an Active Directory Domain Services (AD DS) domain.

You need to establish a secure method that allows employees to work remotely but still have access to the internal network resources.

What are two possible ways to achieve this goal? (Choose two.)

- A. Offline Files
- B. DirectAccess
- C. Network Access Protection (NAP)
- D. Virtual Private Network (VPN)
- E. Distributed File System (DFS) Namespace
- F. Remote Desktop

ANSWER: B D

Explanation:

B: DirectAccess, also known as Unified Remote Access, is a VPN-like technology that provides intranet connectivity to client computers when they are connected to the Internet. D: The remote users can get secure remote access through VPN.

References: <http://en.wikipedia.org/wiki/DirectAccess>

QUESTION NO: 8

You have installed and configured the Application Server role on a server running Windows Server 2016.

For which of the following options can you add support on this server? Each correct answer represents a complete solution. (Choose four.)

- A. Web Server
- B. COM+ Network Access
- C. Windows Process Activation Service
- D. DFS Management
- E. File Server Resource Manager
- F. TCP Port Sharing

ANSWER: A B C F

Explanation:

You can add support for the following options when you install the Application Server role on a computer running Windows Server 2016:

- Web Server

- COM+ Network Access
- Windows Process Activation Service
- TCP Port Sharing
- Distributed Transactions

Incorrect Answers:

D, E: You cannot add support for the DFS Management and File Server Resource Manager options.

QUESTION NO: 9

You work as a Network Administrator for NetTech Inc. The company has a Windows Server 2016 Active Directory-based network. The company has three departments named Sales, Purchase, and Marketing.

You are required to create organizational units (OU) structure for each department in the network.

Which of the following are the reasons for defining an OU? Each correct answer represents a complete solution. Choose all that apply.

- A.** To delegate administration.
- B.** To administer domain controllers.
- C.** To hide objects.
- D.** To administer group policy.

ANSWER: A C D**Explanation:**

Organizational units (OUs) are defined to delegate administration, to administer group policy, or to hide objects. Delegating administration is the prime reason for defining OUs.

QUESTION NO: 10

Which resource record used in DNS translates host names to IP addresses?

- A.** SOA
- B.** A
- C.** PTR
- D.** MX

ANSWER: B

Explanation:

A (host address) provides a hostname to an IPv4 address; AAA (host address) provides a hostname to an IPv6 address.

QUESTION NO: 11 - (HOTSPOT)

HOTSPOT

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

Hot Area:

Answer Area

A Windows Server 2016 server that has an operations master role must also be a domain controller.

Yes

No

A single Windows Server 2016 server may only be assigned a maximum of one operations master role.

Some operations master roles are assigned per domain, while others only need to be assigned to the forest.

ANSWER:

Answer Area

A Windows Server 2016 server that has an operations master role must also be a domain controller.

Yes

No

A single Windows Server 2016 server may only be assigned a maximum of one operations master role.

Some operations master roles are assigned per domain, while others only need to be assigned to the forest.

Explanation:

References: What are Operations Masters? <https://technet.microsoft.com/en-us/library/cc779716%28v=ws.10%29.aspx>

QUESTION NO: 12 - (DRAG DROP)

DRAG DROP

You work as a Network Administrator for Bluewell Inc. The company has decided to install a version of Windows Server 2016 Server Core onto a new machine. Your manager has asked you for a list of the server roles that can be installed on a Server Core installation.

Choose the server roles from the column below that can be installed on the Server Core installation.

Select and Place:

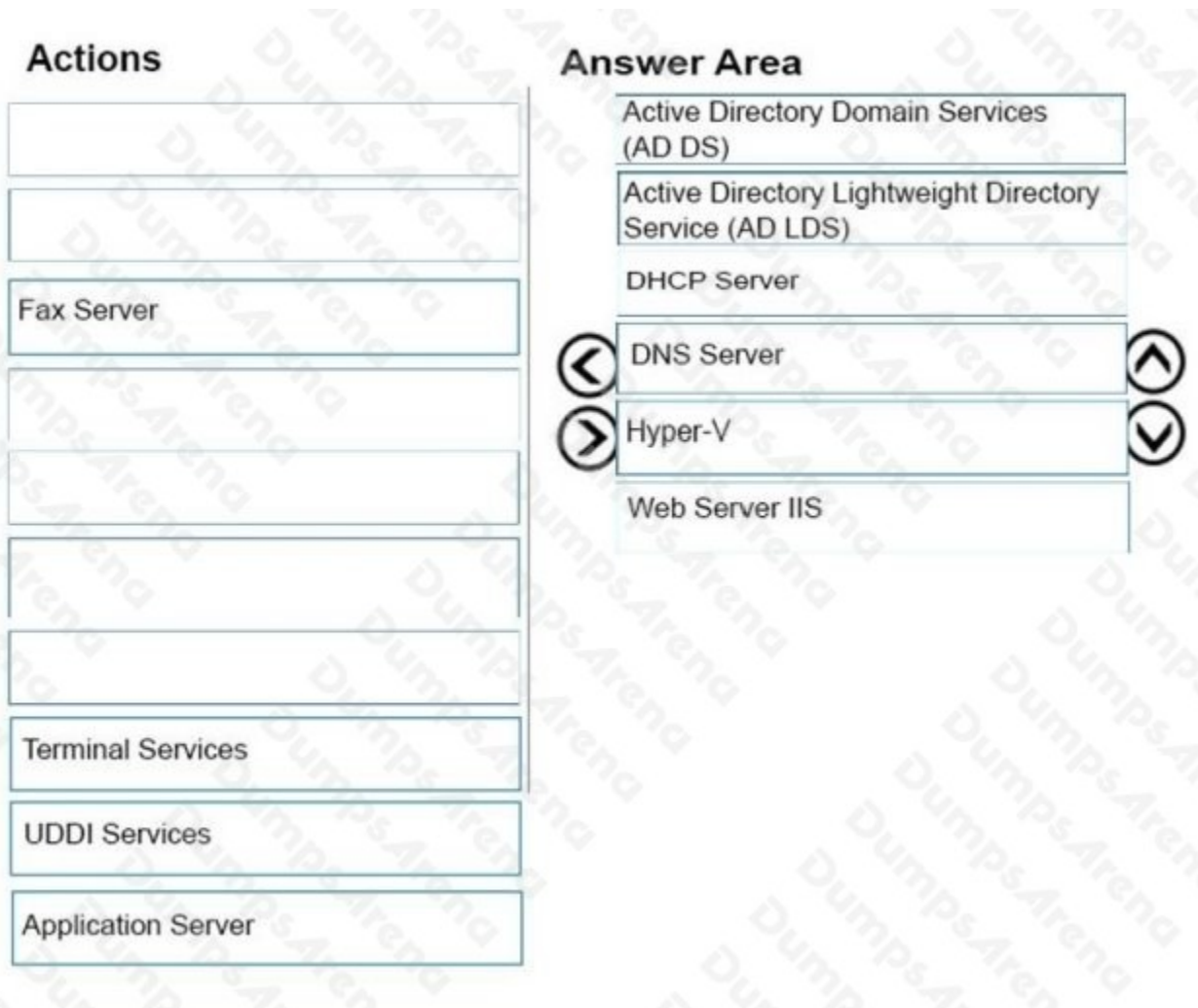
Actions

- DNS Server
- Active Directory Domain Services (AD DS)
- Fax Server
- Hyper-V
- Active Directory Lightweight Directory Service (AD LDS)
- DHCP Server
- Web Server IIS
- Terminal Services
- UDDI Services
- Application Server

Answer Area



ANSWER:



Explanation:

Following is the list of server roles that can be installed on a machine with the help of Windows Server 2016 Server Core installation:

Active Directory Domain Services (AD DS): It allows administrators to perform routine maintenance tasks on domain controllers without affecting the required services (for example, DHCP).

Active Directory Lightweight Directory Service (AD LDS): This is a Lightweight Directory Access Protocol (LDAP) directory service. It provides the Active Directory services to directory-enabled applications. It provides Active Directory Domain Services without requiring the deployment of domains or domain controllers.

DHCP Server: This server is used for running the DHCP services. DHCP is the server on the network that assigns TCP/IP information to your computer dynamically.

DNS Server: DNS Server has the DNS services running on it. DNS is a named resolution service which turns hostname into TCP/IP address (process known as Forward Looping). DNS also has the ability to turn a TCP/IP address into a name (known as reverse looping).

Hyper-V: Windows Server 2016 Hyper-V is a server virtualization technology. Hyper-V allows users to configure multiple server roles on a single computer as virtual machines (VMs). Hyper-V enables users to run multiple, different operating systems such as Windows, Linux, etc., in parallel on a computer.

Web Server IIS: Microsoft Internet Information Server (IIS) is a Web and application server for the Internet and private intranets. IIS receives requests from users on the network using the World Wide Web (WWW) service and transmits information using the Hypertext Transport Protocol (HTTP). IIS uses Microsoft Transaction Server (MTS) to provide security, performance, and scalability with server side packages.

QUESTION NO: 13

Which of the following statements best describe the features of a fixed-size VHD? Each correct answer represents a complete solution. (Choose two.)

- A. It offers better performance by eliminating the fragmentation associated with the growing file.
- B. It has a set amount of hard disk space and that amount does not change.
- C. It uses the space that is being used currently by the VHD.
- D. It provides a way to set up the VHD if hard drive space is limited on the server.

ANSWER: A B**Explanation:**

Fixed-size VHDs have a set amount of hard disk space and that amount does not change. Fixed size means that each VHD is set to a specific hard drive storage space and that space is taken by the system even if the VHD is less than what is set. As an example, if 16GB is designated to a fixed-size VHD, then all 16GB will be taken by VHD on the hard disk immediately - regardless of how much the system is actually using. The fixed-size VHD option offers better performance by eliminating the fragmentation associated with the growing file.

Incorrect Answers:

C, D: Dynamic VHDs only use the space that is being used currently by the VHD. So if a dynamic VHD is set to 20GB but the VHD is currently using only 10GB, then 10 GB is all that is currently being used by the dynamic VHD. This is the way that a user wants to set up his VHD if hard drive space is limited on the server.

References:

MCTS Windows Server Virtualization Configuration Study Guide: Exam 70-652 By William Panek Page 69.

QUESTION NO: 14 - (HOTSPOT)**HOTSPOT**

Your organization has an Active Directory Domain Services (AD DS) forest with multiple domains. The forest and all domains are configured at the Windows Server 2016 functional level.

You need to determine organizational unit (OU) requirements to manage domain objects.

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

Hot Area:

Answer Area

An organizational unit can only contain objects within its parent domain.

Yes

No

Two organizational units from different domains can share objects.

An organizational unit administrator requires domain administration rights.

ANSWER:**Answer Area**

An organizational unit can only contain objects within its parent domain.

Yes

No

Two organizational units from different domains can share objects.

An organizational unit administrator requires domain administration rights.

Explanation:

References: Organizational units <https://technet.microsoft.com/en-us/library/cc758565%28v=ws.10%29.aspx>

QUESTION NO: 15

Which two locations can a Windows Server be backed up to? (Choose two.)

- A. Network router
- B. Local drive
- C. Local DFS root share
- D. Remote share folder

ANSWER: B D