# MCTS Guide to Microsoft Windows Server 2008 Network Infrastructure Configuration 1st Edition Bender Test Bank

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# **Chapter 2: Installing Windows Server 2008**

TRUE/	$\mathbf{F}A$	۱L	SE
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1.	TFTP traffic is conne not guaranteed.	ectionle	ss in nature, me	eaning t	that the sequencing of data packets, or datagrams, is		
	ANS: T	PTS:	1	REF:	40		
2.	UDP does not lend it	self to	applications tha	it need	efficiency and speed over guaranteed delivery.		
	ANS: F	PTS:	1	REF:	40		
3.	Clean installations do not transfer settings from previous operating systems that might be installed on a server.						
	ANS: T	PTS:	1	REF:	48		
4. You cannot upgrade from Windows Server 20 Core.					any edition) to Windows Server 2008 with Server		
	ANS: T	PTS:	1	REF:	49		
5.	A virtual client is a c	ompute	er running a virt	ualizati	ion application for VM guests.		
	ANS: F	PTS:	1	REF:	59		
MUL'	TIPLE CHOICE						
1.		le that p	provides config	uration	settings during the installation of an operating		
	<ul><li>system.</li><li>a. installation scrip</li><li>b. answer file</li></ul>	t			feature packet		
	ANS: B	PTS:	1	REF:	39		
2.	automate the ininstallation. a. Installation scrip b. Answer files		on of services a	c.	res that you would normally enter manually during Features Packets		
	ANS: A	PTS:	1	REF:	39		
<ul> <li>3 is a tool you use to manage the imaging process on a network. Imaging allows you to customized Windows image that you can reuse throughout an organization.</li> <li>a. Multicast</li> <li>b. Trivial File Transfer Protocol</li> <li>c. Windows Deployment Services</li> <li>d. User Datagram Protocol</li> </ul>					oughout an organization. Windows Deployment Services		
	ANS: C	PTS:	1	REF:	39		
4.	a. XML b. Multicast	compu	iters to receive	c.	nication simultaneously.  Key Management Services  New Technology File System		

	ANS: B	PTS:	1	REF:	40
5.	The is the prota. User Datagram				ges across the network.  Transmission Control Protocol
	b. Trivial File Trans				New Technology File System
	ANS: B	PTS:	1	REF:	40
6.	(OEMs), system but automating the insta a. User Datagram	ilders, an allation p Protocol	nd corporate IT process.	profess c.	ools that helps original equipment manufacturers sionals deploy Windows onto new hardware by  Windows Automated Installation Kit
	b. Trivial File Tran				New Technology File System
	ANS: C	PTS:	1	REF:	41
7.	is a new commodisk images for rapida. ImageX b. Windows RE			c.	key Management Services  CMID
	ANS: A	PTS:	1	REF:	43
8.					pased on the Windows Server 2008 and Windows in the central components of Windows operating UDP kernel code
	ANS: D	PTS:	1	REF:	43
9.	prepares an in create a new SID an a. Sysprep b. TCP/IP			tion the	ging and deployment by modifying a system to enext time it starts.  SID  UDP
	ANS: A	PTS:	1	REF:	45
10.	<ul><li>a. Sysprep</li><li>b. TCP/IP</li></ul>		_	c. d.	UDP
	ANS: A	PTS:	1	REF:	45
11.	removes all tha. Sysprepb. TCP/IP	e SIDs, ι	unique characte	c.	and applications from an operating system OOBE UDP
	ANS: C	PTS:	1	REF:	46
12.	modifications to a s a. Sysprep			c.	ws you to apply additional application and driver  Read-only domain controller
	b. Audit Mode	D=			SID
	ANS: B	PTS:	1	REF:	46

13.	<ul><li>require you to</li><li>a. Network distrib</li><li>b. CD boot installa</li></ul>	ution sha		c.	t is applied to each computer you are deploying. Image-based installations Unattended installations	
	ANS: C	PTS:	1	REF:	50	
14.	validates licen hardware serial num				ing a unique installation ID based on a hashed	
	<ul><li>a. SID</li><li>b. Generalization</li></ul>		1	c.	Volume licensing Product activation	
	ANS: D	PTS:	1	REF:	56	
15.	With, adminis a. proxy activation b. image-based ins	ı	_	c.	computers with a single connection to Microsoft modularization generalization	
	ANS: A	PTS:	1	REF:	56	
16.	activates your internally in its data		rith Microsoft v	vhile it	manages the activations of your network clients	
	<ul><li>a. Proxy activation</li><li>b. Volume Activat</li></ul>		l Management		New Technology File System Key Management Services	
	ANS: B	PTS:	1	REF:	57	
17.	provides an in requiring the computa. Proxy activation b. Volume Activation	iters to c 1	ontact Microso	ft. c.	New Technology File System Key Management Services	
	ANS: D	PTS:	1	REF:	57	
18.	specific operating sy	•		·	the type of MAK or KMS key required to instal	
	<ul><li>a. feature</li><li>b. license</li></ul>				product key group module	
	ANS: C	PTS:	1	REF:	58	
19.	r	e right to	install an insta			
	<ul><li>a. feature</li><li>b. license</li></ul>				product key group module	
	ANS: B	PTS:	1	REF:	58	
20.	The term is used to describe instances of an operating system running in a software-based workspace provided by a virtualization application such as Hyper-V.					
	<ul><li>a. VM host</li><li>b. client access lic</li></ul>	ense			VM guests multicast	
	ANS: C	PTS:	1	REF:		
21.	A(n) is a licen a. read-only doma			_	outer device the right to access the server.  CAL	

	ANS: C PTS: 1 REF: 59					
COM	PLETION					
1.	A(n) contains all the information you need to make an exact copy of a storage device, including its structure and contents.					
	ANS: image file disk image					
	PTS: 1 REF: 38					
2.	allows you to capture a customized Windows image that you can reuse throughout an organization.					
	ANS: Imaging					
	PTS: 1 REF: 39					
3.	is designed for installing, troubleshooting, and recovering Windows Ser 2008 and Windows Vista.	rver				
	ANS: Windows PE					
	PTS: 1 REF: 43					
4.	installation of Windows Server 2008 over an existing installation of Windows Server 2003.	;				
	ANS: Upgrade					
	PTS: 1 REF: 48					
5.	KMS works by counting the number of physical client computers requesting activation and then storing information on these computers in a table based on numbers, which are unique client IDs stored in	a <b>th</b> a				
	KMS database.	i uic				
	ANS: client machine identification (CMID) client machine identification CMID					
	PTS: 1 REF: 57					
MAT	CHING					
	Match each item with the correct statement below.  a. Sysprep f. User-based CALs b. Unattended installations g. RODCs					

d. packet

b. installation script

- c. ImageX
- d. Product activation
- e. Device-based CALs

- h. rmtshare.exe
- i. Windows Remote Management
- 1. Provides a set of system cleanup actions
- 2. Validates licensed software products by creating a unique installation ID based on a hashed hardware serial numbers and a product key.
- 3. The license of choice in situations where many users access resources from a few client computers.
- 4. Uses answer files and scripts for automation and does not require you to be present.
- 5. Allow one user to access server resources from unknown or multiple devices.
- 6. Can place multiple images within a single file.
- 7. Allows you to create and manage remote shared resources from the command line.
- 8. Used to configure and manage Server Core installations.
- 9. Allow you to deploy a DC that allows only specific account data to be read from the server.

1.	ANS:	A	PTS:	1	REF:	46
2.	ANS:	D	PTS:	1	REF:	56
3.	ANS:	E	PTS:	1	REF:	60
4.	ANS:	В	PTS:	1	REF:	47
5.	ANS:	F	PTS:	1	REF:	60
6.	ANS:	C	PTS:	1	REF:	52
7.	ANS:	H	PTS:	1	REF:	66
8.	ANS:	I	PTS:	1	REF:	67
9.	ANS:	G	PTS:	1	REF:	62

## **SHORT ANSWER**

1. What are the advantages of Windows Deployment Services?

### ANS:

WDS provides the following benefits:

- Allows network-based installation of Windows operating systems, including Windows Vista and Windows Server 2008, reducing the complexity and cost when compared to manual installations
- Deploys Windows images to computers without operating systems. Supports mixed environments that include Windows Vista, Windows Server 2008, Windows XP, and Windows Server 2003
- Uses standard Windows Server 2008 setup technologies, including Windows PE, .wim files, and image-based setup

PTS: 1 REF: 39-40

2. Discuss the requirements that should be met by your environment prior to the installation and use of EDS.

# ANS:

Your environment must meet the following requirements before you can install and use WDS:

- The computer must be a member of an Active Directory domain.
- Dynamic Host Configuration Protocol (DHCP) must be active and available on your network.
- Domain Name System (DNS) must be active and available on your network.
- A New Technology File System (NTFS) partition must be available for storing images.

PTS: 1 REF: 40

3. What benefits are derived from the implementation of multicast?

ANS:

- Multicast works well on production networks without interfering with existing network communication because it controls congestion and data flow.
- Multicast is independent of WDS and Active Directory. This means you do not need to have Active Directory or an active WDS implementation to take advantage of it.

PTS: 1 REF: 40

4. Briefly discuss the meaning of the term *generalization*.

## ANS:

Because even a basic installation of Windows Server 2008 contains unique information such as security identifiers (SIDs), you might need to remove unique characteristics of an installation before creating an image. This task is called generalization.

PTS: 1 REF: 45

5. Under what circumstances would you opt for a clean installation of Windows Server 2008?

# ANS:

The following are good examples of when to use a clean installation:

- Your current server operating system is not Windows Server 2003 SP1 or greater.
- You cannot upgrade your current server operating system to Windows Server 2003 SP1.
- You have a third-party application installed that is not supported on Windows Server 2008.
- You do not have a driving business need that requires you to perform an upgrade.
- You have good backups and documentation.

PTS: 1 REF: 48

6. Discuss the limitations of ImageX.

# ANS:

Limitations include:

- ImageX can be used only for capturing and applying full images of an OS. It cannot be used to apply updates to the OS or software applications.
- ImageX supports only the .wim file type, unlike other third-party applications for imaging. Mounting a .wim file as a read/write volume requires NTFS.
- ImageX images can be mounted only in Windows XP with SP2, Windows Vista, and Windows Server 2003 with SP1.

PTS: 1 REF: 50-51

7. List four imaging tasks that can be performed with ImageX.

## ANS:

With ImageX, you can perform the following imaging tasks:

- Capture an image
- Append an image
- Modify an image
- Apply an image

PTS: 1 REF: 51

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8. What is the difference between proxy and individual activation?

### ANS:

With individual activations, each client is responsible for performing its own activation. This requires all of your machines to have access to the Internet during activation. Another type of activation is proxy. With proxy activation, administrators can activate a group of computers with a single connection to Microsoft.

PTS: 1 REF: 56

9. What is the difference between Per Device mode and Per Server mode?

#### ANS:

With Per User or Per Device mode, a separate Windows CAL is required for each device or user that accesses the resources on any of your network servers. The number of CALs required is determined by the total number of users or devices accessing your server resources.

With Per Server mode, a separate Windows CAL is required for each device or user that accesses the resources on a specific server, not all your network servers. The number of CALs required is determined by the total number of users or devices that can simultaneously access a single server.

PTS: 1 REF: 60

10. List five deployment options for Server Core.

### ANS:

The following are some common deployment options for Server Core:

- Branch office server
- RODC or standard DC
- DNS
- DHCP
- File server
- Print server
- Hyper-V Host or Guest

PTS: 1 REF: 62