

QUESTION EASY (10 Questions)

Q1. What is the primary purpose of Windows Deployment Services (WDS)?

- A. Backup and recovery
- B. Network-based OS deployment
- C. User authentication
- D. Patch management

Q2. Which technology allows a computer to boot from the network?

- A. DHCP
- B. DNS
- C. PXE
- D. SMB

Q3. Which protocol is used by PXE to transfer boot files?

- A. FTP
- B. HTTP
- C. TFTP
- D. SMB

Q4. Which image starts the Windows installation process?

- A. Install image
- B. Capture image
- C. Boot image
- D. System image

Q5. Which file format is used by WDS images?

- A. ISO
- B. IMG
- C. WIM
- D. BIN

Q6. Which server role must be installed to use WDS?

- A. File Server
- B. Hyper-V
- C. Windows Deployment Services
- D. Network Policy Server

Q7. Which service assigns IP addresses to PXE clients?

- A. DNS
- B. DHCP
- C. IPAM
- D. NPS

Q8. Which WDS mode integrates with Active Directory?

- A. Standalone

- B. Offline
- C. AD-Integrated
- D. Workgroup

Q9. What does PXE stand for?

- A. Preboot Xecution Environment
- B. Primary Execution Engine
- C. Protected Exchange Environment
- D. Pre-Installed Execution

Q10. Which folder stores WDS images by default?

- A. C:\Images
 - B. C:\WDS
 - C. RemoteInstall
 - D. Boot
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MEDIUM (15 Questions)

Q11. Which image type is used to create a custom OS image?

- A. Install image
- B. Boot image
- C. Capture image
- D. Discover image

Q12. When DHCP and WDS are on different servers, which DHCP option specifies the boot server?

- A. Option 3
- B. Option 6
- C. Option 66
- D. Option 15

Q13. Which DHCP option specifies the boot file name?

- A. Option 60
- B. Option 66
- C. Option 67
- D. Option 82

Q14. What is the purpose of a Discover Image?

- A. Replace PXE
- B. Deploy Windows offline
- C. Support non-PXE clients
- D. Encrypt images

Q15. Which requirement is mandatory for WDS image storage?

- A. FAT32 volume
- B. ReFS volume
- C. NTFS volume
- D. exFAT volume

Q16. Which component authorizes WDS in a domain environment?

- A. DNS
- B. Active Directory
- C. DHCP
- D. Group Policy

Q17. Which command-line tool manages WDS?

- A. dism
- B. wdsutil
- C. imagex
- D. bootrec

Q18. Which PXE error indicates no DHCP response?

- A. PXE-E32
- B. PXE-E51
- C. PXE-E53
- D. PXE-E64

Q19. Which WDS setting controls which clients can PXE boot?

- A. Image groups
- B. PXE response policy
- C. Boot configuration
- D. DHCP scope

Q20. Which scenario benefits most from WDS?

- A. Single home PC setup
- B. Mass OS deployment
- C. Manual troubleshooting
- D. Standalone backup

Q21. Which network requirement is essential for PXE boot?

- A. Internet access
- B. Layer-3 routing
- C. DHCP broadcast reachability
- D. VPN connectivity

Q22. Which WDS image contains Windows Setup (WinPE)?

- A. Install image
- B. Capture image

- C. Boot image
- D. Reference image

Q23. Which authentication method is used by AD-integrated WDS?

- A. Local accounts
- B. LDAP only
- C. Active Directory authentication
- D. Certificate-only

Q24. Which action prevents unauthorized OS deployment?

- A. Disable DHCP
- B. Require administrator approval for PXE clients
- C. Disable DNS
- D. Use FAT32 storage

Q25. Which Windows component enables fully automated deployment with WDS?

- A. DISM only
 - B. MDT integration
 - C. Sysprep only
 - D. IPAM
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HARD (15 Questions)

Q26. Why is Sysprep required before capturing a WDS image?

- A. Reduce image size
- B. Remove duplicate SIDs
- C. Encrypt the image
- D. Speed up PXE boot

Q27. Which failure commonly causes PXE-E53 errors?

- A. DNS failure
- B. Missing boot file configuration
- C. Disk corruption
- D. AD replication issue

Q28. Why is WDS combined with MDT in enterprises?

- A. Reduce DHCP usage
- B. Add task sequencing and automation
- C. Replace Active Directory
- D. Improve disk performance

Q29. Which WDS design improves deployment security?

- A. Open PXE to all clients
- B. Dedicated deployment VLAN

- C. Public IP addressing
- D. Disable firewall

Q30. What is the impact of incorrect DHCP option 67?

- A. Wrong IP assignment
- B. PXE boot failure
- C. DNS resolution error
- D. Authentication failure

Q31. Why should WDS images be updated regularly?

- A. Reduce disk usage
- B. Include patches and drivers
- C. Improve PXE speed
- D. Encrypt deployments

Q32. Which WDS limitation affects very large enterprises?

- A. No PXE support
- B. Limited automation without MDT
- C. No AD integration
- D. No image capture

Q33. Which protocol is most sensitive to firewall blocking in WDS?

- A. DNS
- B. TFTP
- C. SMB
- D. HTTPS

Q34. Why is multicast deployment used in WDS?

- A. Encrypt images
- B. Reduce network bandwidth usage
- C. Increase deployment speed per client
- D. Replace DHCP

Q35. Which WDS misconfiguration can cause unauthorized OS installation?

- A. NTFS permissions
- B. Open PXE response policy
- C. DNS scavenging
- D. DHCP reservation

Q36. Which WDS feature supports driver injection?

- A. Capture images
- B. Boot image servicing
- C. Discover image
- D. PXE responder

Q37. Which enterprise scenario requires WDS Discover Images?

- A. Legacy systems without PXE
- B. Modern UEFI systems
- C. Virtual machines
- D. Cloud servers

Q38. Why is WDS not considered a full lifecycle management tool?

- A. No GUI
- B. No reporting
- C. No patch management
- D. Limited automation & monitoring

Q39. Which log location helps diagnose PXE boot failures?

- A. Application log
- B. Security log
- C. WDS server event logs
- D. IIS logs

Q40. Which best practice reduces deployment failures?

- A. Single image for all hardware
- B. Hardware-specific drivers and testing
- C. Disable firewall
- D. Manual installation