⬜ EASY (Q1–Q10)

Q1. In Linux, a service is best described as:
A. A GUI application
B. A background process (daemon)
C. A kernel module
D. A shell script only

Q2. Which command is used to manage services in systemd systems?
A. service
B. chkconfig
C. systemctl
D. init

Q3. NFS stands for:
A. Network File Service
B. Network File System
C. New File Service
D. Node File System

Q4. Which port is used by NFS services (via RPC)?
A. 21
B. 22
C. 111
D. 445

Q5. Which file defines NFS exports?
A. /etc/nfs.conf
B. /etc/exports
C. /etc/fstab
D. /etc/services

Q6. FTP stands for:
A. File Transfer Process
B. File Transport Protocol
C. File Transfer Protocol
D. Fast Transfer Protocol

Q7. Which port is used by FTP control connection?
A. 20
B. 21
C. 22
D. 25

Q8. Which FTP server is commonly used in Linux?
A. Apache

B. vsftpd
C. Postfix
D. Dovecot

Q9. Which command mounts an NFS share?
A. mount -t nfs
B. mount -t ext4
C. mount -o ftp
D. nfs-mount

Q10. Which service manages RPC communication?
A. nfsd
B. mountd
C. rpcbind
D. ftpd

☐ **MEDIUM (Q11–Q25)**

Q11. Which command exports NFS directories without restarting the service?
A. exportfs -a
B. exportfs -r
C. nfsstat
D. showmount

Q12. Which option allows read-write access in NFS exports?
A. ro
B. rw
C. sync
D. no_root_squash

Q13. Which command lists NFS exports on a server?
A. mount
B. showmount -e
C. nfsstat
D. df -h

Q14. Which NFS version introduces stateful operations?
A. NFSv2
B. NFSv3
C. NFSv4
D. NFSv1

Q15. Which FTP mode uses server-initiated data connections?
A. Passive

B. Secure
C. Active
D. Anonymous

Q16. Which FTP mode is firewall-friendly?
A. Active
B. Passive
C. Secure
D. Local

Q17. Which configuration file is used by vsftpd?
A. /etc/ftp.conf
B. /etc/vsftpd.conf
C. /etc/ftpd.conf
D. /etc/ftpusers

Q18. Which option disables anonymous FTP access?
A. anonymous_enable=YES
B. anonymous_enable=NO
C. local_enable=NO
D. write_enable=NO

Q19. Which NFS option improves data integrity at the cost of performance?
A. async
B. rw
C. sync
D. noexec

Q20. Which FTP feature encrypts data transfer?
A. FTP
B. TFTP
C. FTPS
D. SFTP

Q21. Which service must be running for NFS to work?
A. sshd
B. rpcbind
C. httpd
D. vsftpd

Q22. Which command permanently mounts NFS shares at boot?
A. mount
B. showmount
C. /etc/exports
D. /etc/fstab

Q23. Which FTP configuration restricts users to home directories?
A. local_enable
B. write_enable
C. chroot_local_user
D. listen

Q24. Which command shows NFS server statistics?
A. showmount
B. nfsstat
C. exportfs
D. mount

Q25. Which service handles NFS file locking?
A. rpcbind
B. mountd
C. nfsd
D. lockd

⬤ HARD (Q26–Q40)

Q26. Why is NFS considered less secure over untrusted networks?
A. Uses TCP only
B. No built-in encryption
C. High latency
D. Low performance

Q27. Which NFS feature integrates authentication and authorization?
A. root_squash
B. Kerberos (sec=krb5)
C. sync
D. async

Q28. Which file system permission issue commonly affects NFS clients?
A. Inode mismatch
B. UID/GID mismatch
C. Block size error
D. Mount point failure

Q29. Why should root_squash be enabled in NFS exports?
A. Improve performance
B. Prevent root privilege abuse
C. Enable encryption
D. Reduce disk usage

Q30. Which FTP service is considered most secure by default?
A. vsftpd
B. pure-ftpd
C. proftpd
D. wu-ftpd

Q31. Which FTP alternative provides encryption over SSH?
A. FTP
B. FTPS
C. TFTP
D. SFTP

Q32. Which firewall issue commonly breaks FTP in active mode?
A. Port 21 blocked
B. Client-side dynamic ports blocked
C. Server DNS failure
D. Incorrect username

Q33. Which configuration improves NFS performance for read-heavy workloads?
A. sync
B. async
C. root_squash
D. noexec

Q34. Which best practice improves FTP server security?
A. Enable anonymous access
B. Disable logging
C. Use chroot jail
D. Open all ports

Q35. Which NFS version simplifies firewall configuration?
A. NFSv2
B. NFSv3
C. NFSv4
D. NFSv1

Q36. Which Linux service discovery command lists RPC services?
A. rpcinfo
B. showmount
C. nfsstat
D. mount

Q37. Which file logs FTP server activity in vsftpd?
A. /var/log/messages
B. /var/log/secure

C. /var/log/vsftpd.log
D. /var/log/ftp.log

Q38. Why should FTP be avoided on public networks?
A. Low speed
B. High CPU usage
C. Credentials sent in plaintext
D. Limited file size

Q39. Which option forces NFS export re-evaluation?
A. exportfs -a
B. exportfs -r
C. exportfs -u
D. exportfs -v

Q40. Which principle best applies when exposing file services?
A. Maximum sharing
B. Least privilege
C. Anonymous access
D. Flat permissions