

¶ EASY (Q1–Q10)

Q1. Which command is used to display network interfaces in modern Linux systems?

- A. ifconfig
- B. ip addr
- C. route
- D. arp

Q2. Which file traditionally stores static IP configuration?

- A. /etc/hosts
- B. /etc/network/interfaces
- C. /etc/resolv.conf
- D. /etc/services

Q3. Which service manages printing in Linux?

- A. LPD
- B. SAMBA
- C. CUPS
- D. NFS

Q4. Which port does CUPS use by default?

- A. 21
- B. 25
- C. 80
- D. 631

Q5. Which command displays routing table information?

- A. ip link
- B. ip route
- C. ip neigh
- D. ss

Q6. Which protocol is commonly used for network printing?

- A. FTP
- B. IPP
- C. SMTP
- D. SNMP

Q7. Which command tests network connectivity?

- A. traceroute
- B. ping
- C. netstat
- D. ss

Q8. Which file maps hostnames to IP addresses locally?

- A. /etc/hosts

- B. /etc/hostname
- C. /etc/resolv.conf
- D. /etc/network

Q9. Which command lists available printers?

- A. lp
- B. lpr
- C. lpstat
- D. cupsctl

Q10. Which daemon handles print jobs?

- A. lpd
 - B. cupsd
 - C. printd
 - D. spoold
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MEDIUM (Q11–Q25)

Q11. Which command enables a network interface?

- A. ip route add
- B. ip link set up
- C. ifdown
- D. nmcli off

Q12. Which configuration file defines DNS servers?

- A. /etc/hosts
- B. /etc/resolv.conf
- C. /etc/services
- D. /etc/network/interfaces

Q13. Which NetworkManager tool is CLI-based?

- A. nm-applet
- B. nmtui
- C. nmcli
- D. networkctl

Q14. Which printing command submits a file to the printer queue?

- A. lpstat
- B. lp
- C. cupsctl
- D. cancel

Q15. Which command cancels a print job?

- A. lp

- B. lpr
- C. cancel
- D. lpadmin

Q16. Which service must be running for printing to work?

- A. lpd
- B. systemd
- C. cupsd
- D. avahi

Q17. Which command configures a printer in CUPS?

- A. lp
- B. lpstat
- C. lpadmin
- D. cupsctl

Q18. Which protocol does CUPS use for printer discovery?

- A. FTP
- B. SNMP
- C. Avahi/mDNS
- D. SMTP

Q19. Which command displays active network connections?

- A. netstat -an
- B. ss -tuln
- C. ip addr
- D. ping

Q20. Which file stores persistent hostname?

- A. /etc/hosts
- B. /etc/hostname
- C. /etc/resolv.conf
- D. /etc/network

Q21. Which command restarts network services in systemd-based systems?

- A. service network restart
- B. systemctl restart network
- C. systemctl restart NetworkManager
- D. restart network

Q22. Which option allows CUPS web interface access?

- A. cupsctl --enable
- B. cupsctl --remote-admin
- C. lpadmin --web
- D. cupsd --web

Q23. Which tool configures firewall rules for CUPS access?

- A. iptables
- B. firewalld
- C. ufw
- D. All of the above

Q24. Which protocol is used for file sharing with Windows printers?

- A. NFS
- B. FTP
- C. SMB/CIFS
- D. AFP

Q25. Which command shows printer status and queues?

- A. lp
 - B. lpr
 - C. lpstat -t
 - D. cupsctl
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HARD (Q26–Q40)

Q26. Why is IP addressing configuration critical in enterprise networks?

- A. Improves GUI
- B. Reduces disk usage
- C. Ensures connectivity and routing
- D. Enhances printing speed

Q27. Which command persistently configures IP using NetworkManager?

- A. ip addr add
- B. ifconfig
- C. nmcli con mod
- D. route add

Q28. Which CUPS configuration file controls access permissions?

- A. printers.conf
- B. cups-files.conf
- C. cupsd.conf
- D. client.conf

Q29. Which scenario best justifies centralized print servers?

- A. Single printer
- B. Home user
- C. Enterprise environments
- D. Embedded systems

Q30. Which command allows sharing printers over the network?

- A. lp
- B. lpadmin
- C. cupsctl --share-printers
- D. lpstat

Q31. Which protocol ensures encrypted printing communication?

- A. LPD
- B. IPP over HTTPS
- C. FTP
- D. SNMP

Q32. Which network misconfiguration most commonly breaks printing?

- A. DNS typo
- B. Incorrect gateway
- C. Firewall blocking port 631
- D. Hostname mismatch

Q33. Which command displays neighbor table (ARP)?

- A. ip route
- B. ip neigh
- C. arp -a
- D. Both B and C

Q34. Why should CUPS access be restricted?

- A. Save memory
- B. Reduce CPU usage
- C. Prevent unauthorized printing
- D. Improve color quality

Q35. Which Linux service discovery protocol assists printer auto-detection?

- A. DHCP
- B. SNMP
- C. mDNS/Avahi
- D. LDAP

Q36. Which command sets a printer as default?

- A. lp
- B. lpstat
- C. lpadmin -d
- D. cupsctl

Q37. Which best practice improves network reliability?

- A. Static routing everywhere
- B. Regular network monitoring

- C. Disable logs
- D. Manual IP allocation

Q38. Which CUPS log file helps troubleshoot print issues?

- A. /var/log/messages
- B. /var/log/cups/error_log
- C. /var/log/syslog
- D. /var/log/secure

Q39. Which network command traces packet path to destination?

- A. ping
- B. ss
- C. traceroute
- D. ip route

Q40. Which principle enhances secure network implementation?

- A. Open all ports
- B. Least privilege
- C. Disable authentication
- D. Flat networks