⬚ EASY (Q1–Q10)

Q1. Which command is used to manage services in systemd-based systems?
A. service
B. chkconfig
C. systemctl
D. init

Q2. Which command starts a service immediately?
A. systemctl enable
B. systemctl start
C. systemctl reload
D. systemctl mask

Q3. Which file stores static filesystem mount configuration?
A. /etc/mtab
B. /proc/mounts
C. /etc/fstab
D. /etc/filesystems

Q4. Which directory contains most system-wide configuration files?
A. /usr
B. /var
C. /etc
D. /bin

Q5. Which command checks the status of a service?
A. systemctl check
B. systemctl state
C. systemctl status
D. systemctl verify

Q6. Which command enables a service at boot time?
A. systemctl start
B. systemctl enable
C. systemctl reload
D. systemctl stop

Q7. NIS stands for:
A. Network Information Service
B. Network Identity System
C. Network Internet Service
D. Network Integrated Service

Q8. Which port is used by NIS?
A. 22

B. 53
C. 111
D. 389

Q9. Which command reloads service configuration without stopping it?
A. systemctl stop
B. systemctl restart
C. systemctl reload
D. systemctl disable

Q10. Which file defines system-wide environment variables?
A. ~/.bashrc
B. ~/.profile
C. /etc/profile
D. /etc/bashrc

☐ MEDIUM (Q11–Q25)

Q11. Which systemd unit type manages services?
A. .target
B. .mount
C. .service
D. .socket

Q12. Which command lists all active services?
A. systemctl list-units
B. systemctl list-files
C. service --status-all
D. chkconfig --list

Q13. Which file controls hostname resolution order?
A. /etc/hosts
B. /etc/resolv.conf
C. /etc/nsswitch.conf
D. /etc/services

Q14. Which systemd target replaces runlevel 5?
A. multi-user.target
B. graphical.target
C. rescue.target
D. emergency.target

Q15. Which command prevents a service from being started manually or automatically?
A. systemctl stop

B. systemctl disable
C. systemctl mask
D. systemctl reload

Q16. Which file stores system logging configuration?
A. /etc/syslog.conf
B. /etc/rsyslog.conf
C. /etc/logrotate.conf
D. /etc/systemd/log.conf

Q17. Which command shows dependencies of a systemd unit?
A. systemctl deps
B. systemctl list-dependencies
C. systemctl requires
D. systemctl order

Q18. Which NIS file stores password maps?
A. /etc/passwd
B. /etc/shadow
C. /var/yp
D. /etc/yp.conf

Q19. Which command configures NIS client domain?
A. domainname
B. ypdomain
C. ypinit
D. nisdomain

Q20. Which file contains NIS client configuration?
A. /etc/nsswitch.conf
B. /etc/yp.conf
C. /etc/passwd
D. /etc/hosts

Q21. Which command rebuilds NIS maps on server?
A. ypbind
B. ypinit
C. make
D. yppasswd

Q22. Which configuration file defines systemd default target?
A. /etc/systemd/system.conf
B. /etc/systemd/system/default.target
C. /etc/systemd/default.target
D. /etc/init.tab

Q23. Which file controls service startup order in SysVinit?
A. /etc/init.d
B. /etc/rc.d
C. /etc/rc*.d
D. All of the above

Q24. Which command edits system-wide crontab?
A. crontab -e
B. crontab -u root
C. /etc/crontab
D. cronctl

Q25. Which service provides centralized authentication in NIS?
A. ypserv
B. ypbind
C. yppasswd
D. rpcbind

⬤ HARD (Q26–Q40)

Q26. Why is `systemctl mask` stronger than disable?
A. Stops service faster
B. Prevents all forms of activation
C. Saves resources
D. Improves logging

Q27. Which misconfiguration can cause system boot delays?
A. Incorrect /etc/hosts
B. Broken service dependencies
C. Wrong timezone
D. Missing user account

Q28. Why is /etc/nsswitch.conf critical?
A. Controls DNS servers
B. Defines name resolution order
C. Stores passwords
D. Manages services

Q29. Which security risk is associated with NIS?
A. Encrypted communication
B. Plaintext credential transmission
C. Strong authentication
D. Kerberos integration

Q30. Which command verifies syntax of systemd unit files?
A. systemctl status
B. systemctl check
C. systemd-analyze verify
D. systemctl validate

Q31. Which systemd feature improves parallel service startup?
A. Targets
B. Socket activation
C. Masking
D. Logging

Q32. Which NIS component binds clients to servers?
A. ypserv
B. yppasswd
C. ypbind
D. rpcinfo

Q33. Which best practice improves service security?
A. Run all services as root
B. Disable logging
C. Minimize running services
D. Enable all services

Q34. Which systemd command measures boot performance?
A. systemctl time
B. systemd-analyze
C. systemctl analyze
D. systemctl benchmark

Q35. Why should NIS be replaced by LDAP in modern environments?
A. LDAP is simpler
B. NIS is deprecated and insecure
C. NIS is faster
D. LDAP uses less memory

Q36. Which file defines system-wide aliases and defaults?
A. /etc/bashrc
B. /etc/profile
C. /etc/environment
D. /etc/login.defs

Q37. Which command shows service startup failures?
A. journalctl
B. systemctl status

C. journalctl -xe
D. Both B and C

Q38. Which NIS command changes user password?
A. passwd
B. chage
C. yppasswd
D. ypinit

Q39. Which systemd target is used for system recovery?
A. multi-user.target
B. rescue.target
C. graphical.target
D. default.target

Q40. Which principle should guide service configuration?
A. Maximum availability
B. Minimal services exposure
C. Open access
D. Flat architecture