**LINUX MCQ’s**

**FILE MANAGEMENT**

[9:18 am, 14/6/2025] Meta AI: File System Management

1. Which command is used to create a new directory in Linux?

A) mkdir

B) touch

C) rm

D) mv

Answer: A) mkdir

2. What is the purpose of the chmod command?

A) To change file ownership

B) To change file permissions

C) To change file timestamps

D) To delete files

Answer: B) To change file permissions

3. Which command is used to display the contents of a file?

A) cat

B) less

C) more

D) All of the above

Answer: D) All of the above

4. What is the purpose of the df command?

A) To display disk usage statistics

B) To display file system hierarchy

C) To manage file permissions

D) To monitor system performance

Answer: A) To display disk usage statistics

5. Which command is used to find files in Linux?

A) find

B) locate

C) which

D) whereis

Answer: A) find

More Questions

6. What is the purpose of the mount command?

A) To mount a file system

B) To unmount a file system

C) To display mounted file systems

D) To manage file permissions

Answer: A) To mount a file system

7. Which command is used to change file ownership?

A) chown

B) chmod

C) chgrp

D) usermod

Answer: A) chown

8. What is the purpose of the fsck command?

A) To check and repair file systems

B) To manage file permissions

C) To display disk usage statistics

D) To monitor system performance

Answer: A) To check and repair file systems

9. Which command is used to display file system hierarchy?

A) tree

B) ls

C) find

D) du

Answer: A) tree

10. What is the purpose of the quota command?

A) To manage disk quotas

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To manage disk quotas

Let me know if you need more questions or specific topics covered!

[9:18 am, 14/6/2025] venkatasiva20182019: more questions

[9:18 am, 14/6/2025] Meta AI: Here are more questions on File System Management:

File System Management

11. Which command is used to create a symbolic link?

A) ln -s

B) cp

C) mv

D) rm

Answer: A) ln -s

12. What is the purpose of the umask command?

A) To set default file permissions

B) To change file ownership

C) To display file permissions

D) To manage disk quotas

Answer: A) To set default file permissions

13. Which command is used to display file permissions in octal format?

A) ls -l

B) stat

C) chmod

D) ls -o

Answer: B) stat

14. What is the purpose of the sync command?

A) To synchronize file system data

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To synchronize file system data

15. Which command is used to resize a file system?

A) resize2fs

B) fsck

C) mkfs

D) mount

Answer: A) resize2fs

More Questions

16. What is the purpose of the tune2fs command?

A) To adjust file system parameters

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To adjust file system parameters

17. Which command is used to check for bad blocks on a disk?

A) fsck

B) badblocks

C) mkfs

D) mount

Answer: B) badblocks

18. What is the purpose of the quotaon command?

A) To enable disk quotas

B) To disable disk quotas

C) To display disk usage statistics

D) To manage file permissions

Answer: A) To enable disk quotas

19. Which command is used to display disk usage statistics for a specific user?

A) quota

B) du

C) df

D) repquota

Answer: D) repquota

20. What is the purpose of the e2label command?

A) To display or change the file system label

B) To manage file permissions

C) To display disk usage statistics

D) To monitor system performance

Answer: A) To display or change the file system label

21. Which command is used to create a new file system?

A) mkfs

B) fsck

C) mount

D) umount

Answer: A) mkfs

22. What is the purpose of the fstab file?

A) To manage file system mounts

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To manage file system mounts

23. Which command is used to check file system integrity?

A) fsck

B) mkfs

C) mount

D) umount

Answer: A) fsck

24. What is the purpose of the quotacheck command?

A) To check quota files for consistency

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To check quota files for consistency

25. Which command is used to set disk quotas for a user?

A) quota

B) edquota

C) repquota

D) quotaon

Answer: B) edquota

More Questions

26. What is the purpose of the mount -a command?

A) To mount all file systems listed in fstab

B) To unmount all file systems

C) To display mounted file systems

D) To manage file permissions

Answer: A) To mount all file systems listed in fstab

27. Which command is used to display information about a file system?

A) dumpe2fs

B) fsck

C) mkfs

D) mount

Answer: A) dumpe2fs

28. What is the purpose of the tune2fs -c command?

A) To set the maximum mount count

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To set the maximum mount count

29. Which command is used to repair a file system?

A) fsck

B) mkfs

C) mount

D) umount

Answer: A) fsck

30. What is the purpose of the blkid command?

A) To display block device information

B) To manage file permissions

C) To display disk usage statistics

D) To monitor system performance

Answer: A) To display block device information

31. Which command is used to create a swap partition?

A) mkfs

B) mkswap

C) swapon

D) swapoff

Answer: B) mkswap

32. What is the purpose of the swapon command?

A) To enable swap space

B) To disable swap space

C) To display swap usage

D) To manage file permissions

Answer: A) To enable swap space

33. Which command is used to display information about mounted file systems?

A) mount

B) df

C) du

D) findmnt

Answer: D) findmnt

34. What is the purpose of the umount command?

A) To mount a file system

B) To unmount a file system

C) To display mounted file systems

D) To manage file permissions

Answer: B) To unmount a file system

35. Which command is used to check for disk errors?

A) fsck

B) badblocks

C) smartctl

D) All of the above

Answer: D) All of the above

More Questions

36. What is the purpose of the mkfs.ext4 command?

A) To create an ext4 file system

B) To create an ext3 file system

C) To create an XFS file system

D) To create a swap partition

Answer: A) To create an ext4 file system

37. Which command is used to display disk usage statistics in human-readable format?

A) df -h

B) du -h

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

38. What is the purpose of the quotaoff command?

A) To disable disk quotas

B) To enable disk quotas

C) To display disk usage statistics

D) To manage file permissions

Answer: A) To disable disk quotas

39. Which command is used to display information about a file system type?

A) mount

B) df

C) fstyp

D) None of the above

Answer: D) None of the above (but can be achieved with df -T or mount | grep <filesystem>)

40. What is the purpose of the sync command?

A) To synchronize file system data

B) To display disk usage statistics

C) To manage file permissions

D) To monitor system performance

Answer: A) To synchronize file system data

41. Which command is used to create a new directory and all its parents if they don't exist?

A) mkdir

B) mkdir -p

C) touch

D) rm

Answer: B) mkdir -p

42. What is the purpose of the chattr command?

A) To change file attributes

B) To change file permissions

C) To display file attributes

D) To manage disk quotas

Answer: A) To change file attributes

43. Which command is used to display the file system type of a mounted file system?

A) df -T

B) mount

C) fstyp

D) All of the above

Answer: A) df -T

44. What is the purpose of the e2fsck command?

A) To check and repair ext2/ext3/ext4 file systems

B) To create ext2/ext3/ext4 file systems

C) To manage file permissions

D) To display disk usage statistics

Answer: A) To check and repair ext2/ext3/ext4 file systems

45. Which command is used to resize an ext2/ext3/ext4 file system?

A) resize2fs

B) fsck

C) mkfs

D) mount

Answer: A) resize2fs

More Questions

46. What is the purpose of the lsattr command?

A) To display file attributes

B) To change file attributes

C) To manage file permissions

D) To display disk usage statistics

Answer: A) To display file attributes

47. Which command is used to create a file system label?

A) e2label

B) tune2fs

C) mkfs

D) mount

Answer: A) e2label

48. What is the purpose of the mount -o loop command?

A) To mount a file system image

B) To mount a network file system

C) To display mounted file systems

D) To manage file permissions

Answer: A) To mount a file system image

49. Which command is used to display information about a block device?

A) blkid

B) lsblk

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

50. What is the purpose of the fsck -y command?

A) To automatically repair file system errors

B) To display file system errors

C) To manage file permissions

D) To display disk usage statistics

Answer: A) To automatically repair file system errors

**USER MANAGEMENT AND GROUP**

1. Which command is used to create a new user account?

A) useradd

B) usermod

C) userdel

D) passwd

Answer: A) useradd

2. What is the purpose of the passwd command?

A) To change a user's password

B) To create a new user account

C) To delete a user account

D) To display user information

Answer: A) To change a user's password

3. Which command is used to modify an existing user account?

A) usermod

B) useradd

C) userdel

D) passwd

Answer: A) usermod

4. What is the purpose of the userdel command?

A) To delete a user account

B) To create a new user account

C) To modify an existing user account

D) To display user information

Answer: A) To delete a user account

5. Which command is used to create a new group?

A) groupadd

B) groupmod

C) groupdel

D) usermod

Answer: A) groupadd

More Questions

6. What is the purpose of the /etc/passwd file?

A) To store user account information

B) To store group information

C) To store password information

D) To store system configuration

Answer: A) To store user account information

7. Which command of the groups command?

A) To display a user's group membership

B) To add a user to a group

C) To remove a user from a group

D) To create a new group

Answer: A) To display a user's group membership

8. What is the purpose of the /etc/shadow file?

A) To store user account information

B) To store password information

C) To store group information

D) To store system configuration

Answer: B) To store password information

9. Which command is used to change a user's primary group?

A) usermod

B) groupmod

C) chgrp

D) newgrp

Answer: A) usermod

10. What is the purpose of the id command?

A) To display user and group information

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To display user and group information

11. Which command is used to add a user to a group?

A) usermod

B) groupadd

C) useradd

D) gpasswd

Answer: A) usermod or D) gpasswd

12. What is the purpose of the getent command?

A) To display entries from administrative databases

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To display entries from administrative databases

13. Which command is used to display information about a user?

A) id

B) finger

C) getent

D) All of the above

Answer: D) All of the above

14. What is the purpose of the groupdel command?

A) To delete a group

B) To create a new group

C) To modify an existing group

D) To display group information

Answer: A) To delete a group

15. Which command is used to change the ownership of a file?

A) chown

B) chgrp

C) chmod

D) usermod

Answer: A) chown

16. Which command is used to display the groups a user belongs to?

A) groups

B) id

C) getent

D) All of the above

Answer: D) All of the above

17. What is the purpose of the /etc/group file?

A) To store group information

B) To store user account information

C) To store password information

D) To store system configuration

Answer: A) To store group information

18. Which command is used to modify group information?

A) groupmod

B) groupadd

C) groupdel

D) usermod

Answer: A) groupmod

19. What is the purpose of the newgrp command?

A) To change the current group

B) To create a new group

C) To delete a group

D) To display group information

Answer: A) To change the current group

20. Which command is used to display user information in a detailed format?

A) finger

B) id

C) getent

D) passwd

Answer: A) finger

More Questions

21. What is the purpose of the useradd -m command?

A) To create a new user account with a home directory

B) To create a new user account without a home directory

C) To modify an existing user account

D) To delete a user account

Answer: A) To create a new user account with a home directory

22. Which command is used to lock a user account?

A) usermod -L

B) passwd -l

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

23. What is the purpose of the passwd -S command?

A) To display password status

B) To change a user's password

C) To lock a user account

D) To unlock a user account

Answer: A) To display password status

24. Which command is used to unlock a user account?

A) usermod -U

B) passwd -u

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

25. What is the purpose of the chage command?

A) To modify password aging information

B) To display user information

C) To create a new user account

D) To delete a user account

Answer: A) To modify password aging information

26. Which command is used to display the UID and GID of a user?

A) id

B) groups

C) getent

D) finger

Answer: A) id

27. What is the purpose of the /etc/skel directory?

A) To store skeleton files for new user accounts

B) To store user account information

C) To store group information

D) To store system configuration

Answer: A) To store skeleton files for new user accounts

28. Which command is used to set password aging information for a user?

A) chage

B) passwd

C) usermod

D) groupmod

Answer: A) chage

29. What is the purpose of the groupmems command?

A) To manage group membership

B) To create a new group

C) To delete a group

D) To display group information

Answer: A) To manage group membership

30. Which command is used to display information about a group?

A) getent group

B) groupmod

C) groupadd

D) groups

Answer: A) getent group

31. What is the purpose of the useradd -s command?

A) To specify the shell for a new user account

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To specify the shell for a new user account

32. Which command is used to change the primary group of a user?

A) usermod -g

B) groupmod

C) chgrp

D) newgrp

Answer: A) usermod -g

33. What is the purpose of the /etc/gshadow file?

A) To store group password information

B) To store user account information

C) To store group information

D) To store system configuration

Answer: A) To store group password information

34. Which command is used to add a user to a supplementary group?

A) usermod -aG

B) groupadd

C) useradd

D) gpasswd

Answer: A) usermod -aG

35. What is the purpose of the gpasswd command?

A) To administer group passwords

B) To create a new group

C) To delete a group

D) To display group information

Answer: A) To administer group passwords

36. Which command is used to display the groups a user belongs to, including the primary group?

A) groups

B) id

C) getent

D) All of the above

Answer: D) All of the above

37. What is the purpose of the useradd -d command?

A) To specify the home directory for a new user account

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To specify the home directory for a new user account

38. Which command is used to change the ownership of a file to a different user?

A) chown

B) chgrp

C) chmod

D) usermod

Answer: A) chown

39. What is the purpose of the groupdel command?

A) To delete a group

B) To create a new group

C) To modify an existing group

D) To display group information

Answer: A) To delete a group

40. Which command is used to display information about a user, including their UID, GID, and groups?

A) id

B) finger

C) getent

D) All of the above

Answer: D) All of the above

41. What is the purpose of the usermod -e command?

A) To set the expiration date for a user account

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To set the expiration date for a user account

42. Which command is used to display the password aging information for a user?

A) chage -l

B) passwd -S

C) getent

D) finger

Answer: A) chage -l

43. What is the purpose of the /etc/login.defs file?

A) To configure user account settings

B) To store user account information

C) To store group information

D) To store system configuration

Answer: A) To configure user account settings

44. Which command is used to lock a user account by setting the password to an invalid value?

A) usermod -L

B) passwd -l

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

45. What is the purpose of the grpck command?

A) To verify the integrity of group files

B) To create a new group

C) To modify an existing group

D) To delete a group

Answer: A) To verify the integrity of group files

46. Which command is used to display the user ID (UID) of a user?

A) id -u

B) id -g

C) getent

D) finger

Answer: A) id -u

47. What is the purpose of the pwck command?

A) To verify the integrity of password files

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To verify the integrity of password files

48. Which command is used to set the default shell for a new user account?

A) useradd -s

B) usermod -s

C) chsh

D) passwd

Answer: A) useradd -s

49. What is the purpose of the /etc/default/useradd file?

A) To configure default settings for useradd

B) To store user account information

C) To store group information

D) To store system configuration

Answer: A) To configure default settings for useradd

50. Which command is used to display information about users who are currently logged in?

A) who

B) w

C) users

D) All of the above

Answer: D) All of the above

51. What is the purpose of the last command?

A) To display information about previous logins

B) To display information about current logins

C) To create a new user account

D) To delete a user account

Answer: A) To display information about previous logins

52. Which command is used to force a user to change their password at the next login?

A) chage -d 0

B) passwd -e

C) usermod -e

D) Both A and B

Answer: D) Both A and B

53. What is the purpose of the sg command?

A) To execute a command as a different group

B) To create a new group

C) To modify an existing group

D) To delete a group

Answer: A) To execute a command as a different group

54. Which command is used to display the groups a user belongs to, without displaying the primary group?

A) groups

B) id

C) getent

D) None of the above

Answer: D) None of the above (but can be achieved with id -Gn or groups and filtering)

55. What is the purpose of the newuidmap command?

A) To set up user ID mappings for a user namespace

B) To create a new user account

C) To modify an existing user account

D) To delete a user account

Answer: A) To set up user ID mappings for a user namespace

**PROCESS MANAGEMENT**

1. Which command is used to display running processes?

A) ps

B) top

C) htop

D) All of the above

Answer: D) All of the above

2. What is the purpose of the kill command?

A) To terminate a process

B) To start a new process

C) To display process information

D) To modify process priority

Answer: A) To terminate a process

3. Which command is used to display detailed information about a process?

A) ps -ef

B) ps -aux

C) top

D) All of the above

Answer: D) All of the above

4. What is the purpose of the nice command?

A) To set the priority of a process

B) To display process information

C) To terminate a process

D) To start a new process

Answer: A) To set the priority of a process

5. Which command is used to display real-time process information?

A) top

B) htop

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

6. What is the purpose of the renice command?

A) To change the priority of a running process

B) To display process information

C) To terminate a process

D) To start a new process

Answer: A) To change the priority of a running process

7. Which command is used to send a signal to a process?

A) kill

B) killall

C) pkill

D) All of the above

Answer: D) All of the above

8. What is the purpose of the pgrep command?

A) To search for processes by name or pattern

B) To display process information

C) To terminate a process

D) To start a new process

Answer: A) To search for processes by name or pattern

9. Which command is used to display the process ID (PID) of a process?

A) ps

B) pgrep

C) pidof

D) All of the above

Answer: D) All of the above

10. What is the purpose of the killall command?

A) To terminate processes by name

B) To display process information

C) To start a new process

D) To modify process priority

Answer: A) To terminate processes by name

11. Which command is used to display the parent process ID (PPID) of a process?

A) ps -ef

B) ps -o ppid

C) pstree

D) All of the above

Answer: D) All of the above

12. What is the purpose of the pkill command?

A) To terminate processes by name or pattern

B) To display process information

C) To start a new process

D) To modify process priority

Answer: A) To terminate processes by name or pattern

13. Which command is used to display process information in a tree-like format?

A) pstree

B) ps

C) top

D) htop

Answer: A) pstree

14. What is the purpose of the renice command with the -n option?

A) To specify the new nice value for a process

B) To display process information

C) To terminate a process

D) To start a new process

Answer: A) To specify the new nice value for a process

15. Which command is used to display the current working directory of a process?

A) pwdx

B) lsof

C) ps

D) pwd

Answer: A) pwdx

More Questions

16. What is the purpose of the fuser command?

A) To identify processes using a file or socket

B) To display process information

C) To terminate a process

D) To start a new process

Answer: A) To identify processes using a file or socket

17. Which command is used to display detailed information about a process, including its threads?

A) ps -T

B) top -H

C) htop

D) All of the above

Answer: D) All of the above

18. What is the purpose of the kill -9 command?

A) To forcefully terminate a process

B) To display process information

C) To start a new process

D) To modify process priority

Answer: A) To forcefully terminate a process

19. Which command is used to display process information, including CPU and memory usage?

A) top

B) htop

C) ps

D) All of the above

Answer: D) All of the above

20. What is the purpose of the nice command with a negative value?

A) To increase the priority of a process

B) To decrease the priority of a process

C) To display process information

D) To terminate a process

Answer: A) To increase the priority of a process

**NETWORKING**

1. Which protocol is used for sending emails?

A) SMTP

B) HTTP

C) FTP

D) SSH

Answer: A) SMTP

2. What is the purpose of the ping command?

A) To test network connectivity

B) To display network configuration

C) To transfer files over the network

D) To secure network connections

Answer: A) To test network connectivity

3. Which command is used to display network interface configuration?

A) ifconfig

B) ip addr

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

4. What is the purpose of the netstat command?

A) To display network connections and routing tables

B) To test network connectivity

C) To transfer files over the network

D) To secure network connections

Answer: A) To display network connections and routing tables

5. Which protocol is used for secure remote access?

A) SSH

B) Telnet

C) FTP

D) HTTP

Answer: A) SSH

More Questions

6. What is the purpose of the traceroute command?

A) To display the path packets take to reach a destination

B) To test network connectivity

C) To transfer files over the network

D) To secure network connections

Answer: A) To display the path packets take to reach a destination

7. Which command is used to display DNS information?

A) dig

B) nslookup

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

8. What is the purpose of the scp command?

A) To securely copy files over the network

B) To display network configuration

C) To test network connectivity

D) To transfer files using FTP

Answer: A) To securely copy files over the network

9. Which protocol is used for dynamic IP address assignment?

A) DHCP

B) DNS

C) HTTP

D) FTP

Answer: A) DHCP

10. What is the purpose of the iptables command?

A) To configure firewall rules

B) To display network configuration

C) To test network connectivity

D) To transfer files over the network

Answer: A) To configure firewall rules

11. Which command is used to display network interface statistics?

A) ifconfig

B) ip -s link

C) netstat -i

D) All of the above

Answer: D) All of the above

12. What is the purpose of the hostname command?

A) To display or set the system hostname

B) To display network configuration

C) To test network connectivity

D) To transfer files over the network

Answer: A) To display or set the system hostname

13. Which protocol is used for transferring files over the network?

A) FTP

B) SFTP

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

14. What is the purpose of the ss command?

A) To display socket information

B) To display network configuration

C) To test network connectivity

D) To transfer files over the network

Answer: A) To display socket information

15. Which command is used to display the routing table?

A) route

B) ip route

C) netstat -r

D) All of the above

Answer: D) All of the above

More Questions

16. What is the purpose of the tcpdump command?

A) To capture and analyze network traffic

B) To display network configuration

C) To test network connectivity

D) To transfer files over the network

Answer: A) To capture and analyze network traffic

17. Which protocol is used for secure web browsing?

A) HTTPS

B) HTTP

C) FTP

D) SSH

Answer: A) HTTPS

18. What is the purpose of the nmap command?

A) To scan and discover network hosts and services

B) To display network configuration

C) To test network connectivity

D) To transfer files over the network

Answer: A) To scan and discover network hosts and services

19. Which command is used to display network configuration information, including IP addresses?

A) ifconfig

B) ip addr

C) Both A and B

D) Neither A nor B

Answer: C) Both A and B

20. What is the purpose of the iwconfig command?

A) To configure wireless network interfaces

B) To display network configuration

C) To test network connectivity

D) To transfer files over the network

Answer: A) To configure wireless network interfaces