

Linux: Commands Cheat Sheet



Assma Fadhli

File and Directory Management

- | | |
|---------------------------------|--|
| 1. \$ ls | # List files and directories |
| 2. \$ ls -l | # List files with detailed information |
| 3. \$ cd <directory> | # Change directory |
| 4. \$ pwd | # Print working directory |
| 5. \$ mkdir <directory-name> | # Create a new directory |
| 6. \$ rm <file-name> | # Remove a file |
| 7. \$ rm -r <directory-name> | # Remove a directory and its contents |
| 8. \$ mv <source> <destination> | # Move or rename files and directories |
| 9. \$ cp <source> <destination> | # Copy files and directories |
| 10. \$ touch <file-name> | # Create an empty file |
| 11. \$ cat <file-name> | # Display contents of a file |
| 12. \$ less <file-name> | # View file content one screen at a time |
| 13. \$ head <file-name> | # View the first lines of a file |
| 14. \$ tail <file-name> | # View the last lines of a file |

File Permissions

- | | |
|---|--------------------------------------|
| 15. \$ chmod +x <file-name> | # Make a file executable |
| 16. \$ chmod 755 <file-name> | # Set specific permissions to a file |
| 17. \$ chown <user>:<group> <file-name> | # Change file ownership |

User Management

- | | |
|---------------------------|-----------------------------|
| 18. \$ whoami | # Show current username |
| 19. \$ who | # Show who is logged in |
| 20. \$ id | # Display user and group ID |
| 21. \$ adduser <username> | # Add a new user |
| 22. \$ userdel <username> | # Delete a user |
| 23. \$ passwd <username> | # Change a user's password |

Process Management

- | | |
|-------------------------------|--------------------------------------|
| 24. \$ ps | # Show running processes |
| 25. \$ ps aux | # Detailed view of running processes |
| 26. \$ top | # Show real-time system processes |
| 27. \$ htop | # Interactive process viewer |
| 28. \$ kill <pid> | # Kill a process by PID |
| 29. \$ killall <process-name> | # Kill a process by name |

Disk Usage and Disk Space

- | | |
|--------------------------|---|
| 30. \$ df -h | # Display disk space usage |
| 31. \$ du -sh * | # Show the size of each directory/file |
| 32. \$ du -h <directory> | # Display directory size in human-readable format |

#Share#FollowForMore

Linux: Commands Cheat Sheet



Assma Fadhli

Networking

```
33. $ ifconfig          # Display network interfaces
34. $ ip a              # Display IP addresses
35. $ ping <host>       # Send ICMP requests to a host
36. $ netstat -tuln     # Show active network connections
37. $ curl <url>        # Transfer data from a URL
38. $ wget <url>        # Download files from a URL
```

Package Management (Ubuntu/Debian)

```
39. $ sudo apt update   # Update package list
40. $ sudo apt upgrade  # Upgrade installed packages
41. $ sudo apt install <package-name> # Install a package
42. $ sudo apt remove <package-name> # Remove a package
```

Searching

```
43. $ grep "text" <file-name> # Search for text inside a file
44. $ find <directory> -name <file-name> # Search for files by name
45. $ locate <file-name>      # Find files in the system database
```

Archiving and Compression

```
46. $ tar -cvf archive.tar <directory> # Create an archive file
47. $ tar -xvf archive.tar              # Extract an archive file
48. $ gzip <file-name>                  # Compress a file
49. $ gunzip <file-name>                 # Decompress a file
```

System Information

```
50. $ uname -a          # Display system information
51. $ hostname           # Display or set the hostname
52. $ uptime            # Show system uptime
53. $ free -h           # Display memory usage
54. $ lsb_release -a     # Show Linux distribution details
```

SSH and File Transfer

```
55. $ ssh <user>@<host> # Connect to a remote server via SSH
56. $ scp <file> <user>@<host>:<remote-path> # Copy files to/from a remote server
```

Permissions and Ownership

```
57. $ umask              # Show default permissions
58. $ stat <file-name>   # Display detailed info about a file
```

#Share#FollowForMore