

Linux Cheat-Sheet

File and Directory Management:

- ``ls``: List files and directories.
- ``cd``: Change directory.
- ``pwd``: Print working directory.
- ``mkdir``: Create a new directory.
- ``rmdir``: Remove an empty directory.
- ``rm``: Remove files or directories.
- ``cp``: Copy files or directories.
- ``mv``: Move or rename files/directories.
- ``touch``: Create an empty file or update timestamps.
- ``cat``: Display file contents.
- ``head``: Display the first 10 lines of a file.
- ``tail``: Display the last 10 lines of a file.

Permissions:

- ``chmod``: Change file/directory permissions.
- ``chown``: Change file/directory owner.

User Management:

- ``adduser``: Add a new user.
- ``userdel``: Delete a user.
- ``passwd``: Change user passwords.

System Information:

- `free -m`: Show memory usage stats.
- `df -h`: Check free and used space on mounted systems.
- `du -h`: Find the directory size in a human readable format.
- `top`: Display Linux processes.
- `ps`: Display running processes.
- `kill`: Kill a process using its process ID.
- `reboot`: Restart the system.
- `shutdown -h now`: Turn off the system.
- `whoami`: See the currently logged in user.

Networking:

- ``ip``: Gets the IP information for the physical or virtual machine.
- ``netstat``: Get information about network connections and more.
- ``ssh``: Establish a secure encrypted connection between two hosts over an insecure network.
- ``wget``: Direct download files from the Internet.
- ``curl``: Get or post a file to or from the Internet according to a URL. Searching and Filtering:
- ``find``: Search for files and directories.
- ``grep``: Search for patterns in files.

Archiving and Compression:

- ``tar``: Create or extract archive files.
- ``gzip``: Compress files.
- ``zip``: Create compressed zip archives.