# TOP 40+
LINUX
COMMANDS

FILE AND DIRECTORY MANAGEMENT

- ✅ **cd:** Changes the directory

- ✅ **cp:** Copies files or directories

- ✅ **ls:** Lists directory contents

- ✅ **mkdir:** Makes a new directory

- ✅ **rmdir:** Removes a directory

- ✅ **mv:** Moves or renames files or directories

- ✅ **pwd:** Prints the current working directory

- ✅ **rm:** Removes files

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FILE VIEWING AND EDITING

- **cat:** Concatenates and displays files
- **gedit:** Lightweight GUI text editor
- **less:** Views file content in an interactive mode
- **more:** Similar to less, views file content but is less feature-rich
- **nano:** Easy-to-use text editor in the command
- line

  vim: Advanced text editor
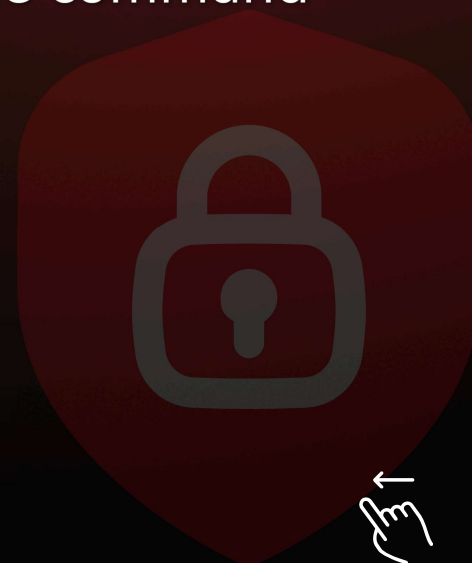
NETWORK CONFIGURATION & MONITORING

- **ifconfig:** Configures and displays network interface parameters
- **ip:** IP configuration utility
- **nc:** Netcat, a versatile networking tool used for reading from and writing to network connections
- **netstat:** Displays network connections, routing tables, and other network interface statistics
- **ping:** Checks connectivity between the host and a target
- **ssh:** SSH client (secure shell) to connect to remote machines securely
- **ss:** Utility to investigate sockets
- **traceroute:** Traces the route packets take to a network host
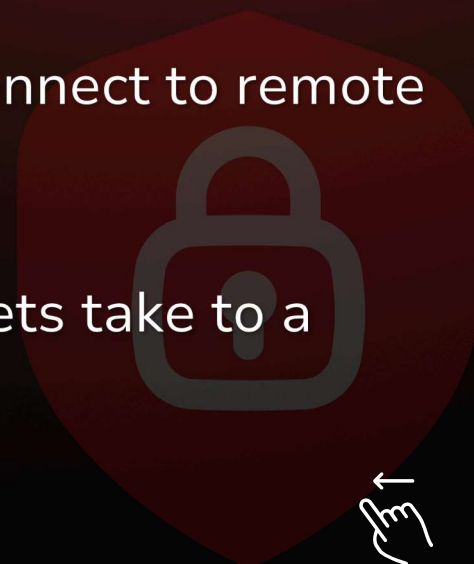
PROCESS MANAGEMENT

- **htop:** Interactive process viewer

- **kill:** Sends a signal to a specific process

- **killall:** Kills processes by name

- **ps:** Displays information about active processes

- **top:** Displays tasks and system status
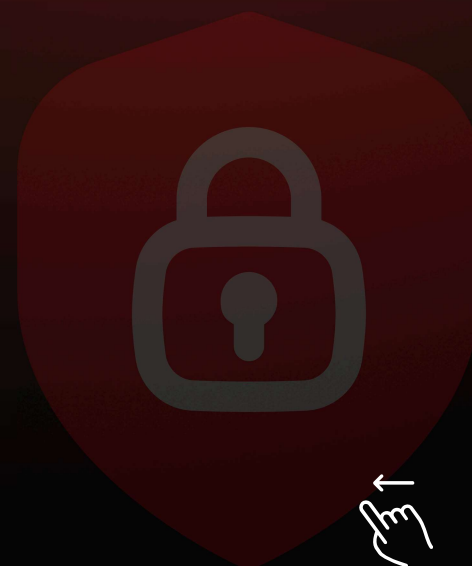
PACKAGE MANAGEMENT

- **apt-get:** APT package handling utility

- **apt:** A more friendly APT user interface

- **dnf:** A modern package manager for RPM-based distributions like Fedora

- **rpm:** Installs, update, and removes packages on Red Hat-based systems

- **yum:** Handle package management for RPM-based distributions effectively

- **zypper:** A command line interface for managing packages on SUSE-based distributions

INFOSECTRAIN

SYSTEM INFORMATION

- **df:** Reports file system disk space usage

- **du:** Estimates file space usage

- **free:** Displays memory usage

- **lscpu:** Displays CPU architecture information

- **lsblk:** List information about block devices

- **uname:** Shows system information
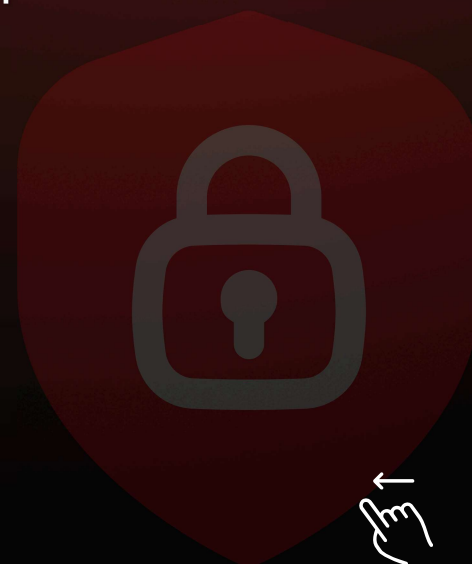
USER AND GROUP MANAGEMENT

- **groups:** Print the groups a user is in

- **groupadd:** Adds a new group

- **groupdel:** Deletes a group

- **id:** Displays user and group IDs

- **passwd:** Changes user password

- **useradd:** Creates a new user

- **userdel:** Deletes a user account