**🛡️ Linux Command Reference Guide**

**🔐 User & Privilege Commands**

| **Command** | **Description** |
| --- | --- |
| su | Switches to another user account (often root). Requires the target user's password. |
| sudo apt-get update | Updates the package list from repositories. Essential before installing new software. |
| sudo apt-get install git | Installs Git, a version control system used for managing code. |
| sudo apt install lynis | Installs Lynis, a security auditing tool for Unix-based sudosudo ssudolusystems. |
| sudo apt install policycoreutils selinux-utils selinux-basics | Installs SELinux-related packages for enhanced security. |
| sudo selinux-activate | Activates SELinux (if supported). May require reboot and configuration. |
| sudo kill -9 9633 | Forcefully terminates the process with PID 9633. Use with caution. |
| sudo rm /var/lib/dpkg/lock-frontend | Removes a lock file that may block package installations. Only use if you're sure no other install is running. |
| sudo reboot | Reboots the system immediately. |
| reboot | Same as above, but without sudo if you're already root. |

**🧪 Lynis Security Audit Commands**

| **Command** | **Description** |
| --- | --- |
| lynis show report | Displays the latest Lynis audit report. |
| lynis show tests | Lists all available tests Lynis can perform. |
| lynis show commands | Shows available Lynis commands. |
| lynis audit system | Runs a full system audit using Lynis. |

**📦 Package Management**

| **Command** | **Description** |
| --- | --- |
| sudo apt update | Refreshes package lists (same as apt-get update). |
| apt list --upgradable | Lists packages that have updates available. |

**🧠 Process & System Monitoring**

| **Command** | **Description** |
| --- | --- |
| ps aux | grep apt | Lists all running processes and filters those related to apt. |
| dmesg | Displays kernel-related messages, useful for debugging hardware and boot issues. |
| clear | Clears the terminal screen. |

**📁 Log File Exploration**

| **Command** | **Description** |
| --- | --- |
| cd /var/log | Navigates to the system log directory. |
| ls | Lists files in the current directory. |
| cat syslog | Displays system messages and logs. |
| cat auth.log | Shows authentication-related logs. |
| cat kern.log | Displays kernel logs. |
| cat boot.log | Shows boot-time messages. |
| cat /var/log/wtmp.log | Reads login history from the wtmp log file. |
| last | Displays recent login sessions. |
| last -f /var/log/wtmp | Reads login history from a specific wtmp file. |

sudo apt install apache2 REPLACEACE FOR BOOT

sudo tail -f /var/log/apache2/access.log

sudo tail -f /var/log/apache2/error.log