

Useful system commands

1. **sudo <command>** To run any command as superuser (root).
2. **sudo -u <user> <command>** To run a command as any other user ->
3. **passwd** To change your password.
4. **sudo visudo** To edit the sudoers file to change sudo permissions.
5. **gksudo <command>** Graphical sudo application

APT get commands

1. **apt-get update** To update the package database
2. **apt-get upgrade** To upgrade the packages
3. **apt-get dist-upgrade** To upgrade the current distribution
4. **apt-cache search <string>** To search for a particular package
5. **apt-get autoremove <package name>** To remove a package
6. **apt-get install <package name>** To install package
7. **apt-cache showpkg <package name>** Show package information
8. **apt-get -f install** Fix broken package
9. **vi /etc/apt/sources.list** Edit package repository information using the vi editor
10. **gedit /etc/apt/sources.list** Edit package repository information using the gedit editor

System Commands

1. **uname -r** Get kernel version
2. **uname -a** Get all information about the system (architecture, kernel, OS etc)
3. **sudo reboot** reboot OS
4. **sudo shutdown -h now** Shutdown computer
5. **fsck** Utility to check the filesystem for inconsistency. eg. fsck /dev/sdb
6. **mount** Utility to mount a filesystem. eg. mount -t ext4 /dev/sdb1 /mnt/sdb1

Display Commands

1. **Ctrl+Alt+backspace** Restart X-server if it is hung
2. **/etc/x11/xorg.conf** X11 configuration file
3. **/etc/init.d/gdm restart** Restart the GDM graphical login daemon
4. **Ctrl+alt+F<n>** Switch to tty <n>
5. **Ctrl+alt+F7** Switch back to X

Restore from system crash

Press and hold down **ALT + SysRq (PrintScn)** button and type phrase **R E I S U B** with 1 second interval between each letter. Your system will magically recover from the crash and reboot itself.