

EDITORS AND COMMANDS

What is text editor?

Program used for writing and editing plain text



Text Editors

GUI



Terminal



- GUI based Default Text Editor in linux
- Automatic file backup
- Tabbed editing
- Ability undo the changes
- Find and replace
- Automatic indentation

vi Editor

vi editor is powerful text editor that comes preinstalled in nearly all Linux OS.

- User friendly
- Feature rich
- Endless possibilities to edit files
- Works same across different platforms and distributions

Commands used in vi editor

commands	description
i	Insert mode
esc	Terminate from insert mode
u	Undo last changes
U	Undo all changes to entire line
dd	Delete line
:w	Save file but keep it open
:q	Quit without saving
:wq	Save file and quit

Commands in linux

Why command line?

Text based interface to the system.

- You are able to enter commands by typing them on the keyboard and feedback will be given to you similarly as text.

Types of commands

Based on usage

1. Basic commands
2. File related commands
3. Process related commands
4. User related commands

Basic commands

Commands	Description
pwd	Print current working directory
ls	Lists all the files of a current directory
mkdir	Creates new directory
cd	Change directory
rmdir	Remove the empty directory
rm	Remove files or directories
man	Opens manual of given command

File related commands

Commands	Description
touch	Creates file if not exists & Updates access/modification time
cat	Concatenate and print the contents of file
grep	Prints line matching pattern
sort	Sort lines of text line
mv	Move files and directories from one place to another
cp	To copy one or more files to another location

Process related commands

commands	Description
top	Provides a dynamic real-time view of a running system
ps	Provides info about currently running processes
kill	Send signals to running processes in order to request the termination of the process
sudo	Allows a permitted user to execute a command as the superuser

User related commands

Commands	Description
adduser	To create a new user
deluser	To remove a user
chown	To change owner, change the user and/or group ownership of each given File to a new Owner
chmod	To change access permissions, change mode

Symbolic mode

Owner

u – user

g – group

o – other

Permission

r – read

w - write

x - execute

Numeric mode

4 – read

2 – write

1 - execute

0 - no permission