

## Commands

<b>man command</b>	manual page for a command
<b>cat filename</b>	show contents of filename
<b>sudo</b>	runn command as root
<b>history</b>	list of past commands
<b>clear</b>	clears screen
<b>mv</b>	move file to new location
<b>rm</b>	remove file
<b>whoami</b>	show your username
<b>find</b>	find a file or directory
<b>touch</b>	create a blank file
<b>cp</b>	cp a file to another file
<b>rm</b>	remove a file

## Processes

<b>htop</b>	interactive list of processes
<b>kill PID</b>	kills a process
<b>ps</b>	status of processes running
<b>df</b>	show disk space allocation
<b>free</b>	show memory allocation

## Permissions

<b>chown</b>	change ownership of file or dir
<b>chmod</b>	change permissions of file or dir
<b>chown user:group filename</b>	change owner to user and group owner to group on a file
<b>chmod 750 filename</b>	change mode to 750 on a file
<b>4</b>	read (r)
<b>2</b>	write (w)
<b>1</b>	execute (x)
<b>0</b>	no permission (-)

## Networking

<b>ping</b>	check IP connectivity
<b>ip a</b>	show local network interfaces
<b>ip route</b>	show / manipulate in routing tables
<b>ssh user@ip/hostname</b>	login to remote host with ssh protocol
<b>netstat</b>	displays network status
<b>tcpdump</b>	analyze packets on the network

## Navigation

<b>cd ~</b>	change to home directory
<b>cd -</b>	change to previous directory
<b>cd ..</b>	change one directory up
<b>ls</b>	show contents of directory
<b>pwd</b>	show current directory

## Users and Groups

<b>useradd username</b>	add a new user
<b>usermod -a -G username</b>	add user to a group
<b>passwd username</b>	set password for user
<b>userdel username</b>	delete a user

## Bash Shortcuts

<b>Ctrl + c</b>	stop current command
<b>Ctrl + a</b>	go to start of line
<b>Ctrl + e</b>	got to end of line
<b>Ctrl + r</b>	reverse search history
<b>!!</b>	repeat last command