

## Shortcuts

CTRL

Alt

T

new Terminal

## Navigation commands

<b>cd</b>	... <i>change directory</i>
<b>clear</b>	... clear terminal
<b>cp -r</b>	... <i>copy</i> include sub directories
<b>cp testC ./testD</b>	... <i>copy</i> testC folder in testD
<b>ls</b>	... <i>list</i> , show content of current directory
<b>ls -a</b>	... <i>list</i> all, hidden files included
<b>ls -h</b>	... <i>list</i> human readable
<b>ls -l</b>	... <i>list</i> view
<b>ls -lh</b>	... <i>list</i> view <b>AND</b> human readable <b>combined options</b>
<b>ls -R</b>	... recursive view
<b>mkdir -p testB/{testC, testD}</b>	... make parent directory test with 2 sub directories
<b>mkdir testA</b>	... <i>make directory</i> testA
<b>mv</b>	... <i>move</i>
<b>pwd</b>	... <i>print working directory</i> , where am I
<b>rmdir -d</b>	... <i>remove</i> empty directory
<b>rmdir -f</b>	... force remove
<b>rmdir -i</b>	... ask for remove
<b>rmdir -r</b>	... <i>remove directory</i> with sub directories
<b>rmdir testA</b>	... <i>remove directory</i> testA
<b>touch menu.txt</b>	... create menu.txt

## Network commands

<b>curl</b>	... to transfer data from server using HTTP,FTP,IMAP,...
<b>echo "nameserver 8.8.8.8"   sudo tee /etc/resolv.conf</b>	... change DNS
<b>hostnamectl</b>	... info about your system
<b>ifconfig -a</b>	... shows network details
<b>iwlist wlan0 scan</b>	... *scan for available WLAN
<b>nano /etc/network/interface</b>	... *change network configuration
<b>netstat</b>	... tool to analyse a network
<b>nmap</b>	... tool to analyse networks
<b>nslookup google.de</b>	... shows each network connection
<b>scp</b>	... secure copy files to host or client
<b>scp \$filename user@targethost:\$path</b>	... copy filename to targethost
<b>telnet google.de 443</b>	... teletype network, protocol for simple client - server connection
<b>traceroute google.de</b>	... shows package route to host
<b>wget</b>	... to transfer data from server using proxy,HTTP,HTTPS,FTP

## General commands

<b>man</b>	... <i>Manual</i>
<b>python3</b>	... start python3
<b>whatis</b>	... info about an app
<b>which</b>	... where is an app

## Path details

<b>root@root:~/testA/testB\$ python3 ../app.py</b>	... relative path to start python App
<b>root@root:~/testA/testB\$ python3 ~/testA/app.py</b>	... absolute path to start python App
<b>root@root:~/testA/testB\$ ~</b>	... go to home directory
<b>root@root:~/testA/testB/testC/\$ cd ../testD</b>	... go to testD in same path
<b>root@root:~/testA/testB/testC/testD/\$ cd ..</b>	... go to next superior path
<b>root@root:~/testA/testB/testC/\$ cd ../../home</b>	... got to second superior path

## System commands

<b>df -h</b>	... <i>disc free</i>
<b>du</b>	... <i>disc-usage</i> memory consumption
<b>du -a</b>	... shows all memory consumption, sub directories included
<b>du -h</b>	... human readable sizes
<b>umount /media/[device name]</b>	... dismount USB devices
<b>w</b>	... show processes
<b>whoami</b>	... I accessed as ...

## Permission / privileges

<b>chmod permission filename</b>	... <b>look also @Absolute(Numeric) Mode</b>
<b>ls -l</b>	... show privileges
<b>su</b>	... *switch to root Superuser
<b>su -</b>	... *switch to root User
<b>sudo</b>	... *do something as user
<b>sudo -i</b>	... *root shell

\*password required

