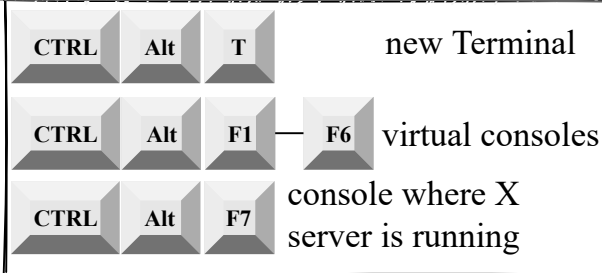




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Shortcuts



Navigation commands

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

Network commands

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

General commands

man	... Manual
ps -aux	... more detailed process information
ps -e	... process information
ps -e head	...
pstree	... process tree structure
python3	... start python3
top	... real time process manager
whatis	... info about an app
which	... where is an app

Path details

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

System commands

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

Permission / privileges

cat /etc/group	... group membership
chgrp root workfolder	... ownership from group to root
chmod {username} /workfolder/	... {username} gets ownership of workfolder
chmod permission filename	... look also @Absolute(Numeric) Mode
cut -d: -f1 /etc/passwd	... shows all users
id {username}	... information about the user
ls -l	... show privileges
su	... *switch to root Superuser
su -	... *switch to root User
su {username}	... {username}\$... change to user
sudo	... *do something as user
sudo -i	... *root shell
sudo adduser {username}	... add user (with all account data, password ...)
sudo cat /etc/shadow	... *group membership
sudo groupadd {groupname}	... *add group
sudo groupdel {groupname}	... *delete group
sudo groupmod -n {old name} {new name}	... *rename group
sudo passwd {username}	... *set password(only)
sudo useradd {username}	... *add username(only)
sudo userdel {username}	... *delete user

manipulate files

cat asd.txt >> qwe.txt	... conCATenate asd.txt with qwe.txt
head -1 asd.txt	... show frist line of asd
rm -d {file}	... remove {file} directory
rm qwe.txt	... remove qwe.txt
shred qwe.txt	... remove qwe.txt
tail -1 qwe.txt	... show last line of asd
touch echo "text for file" asd.txt	... create txt file with text in it

