

General

Shell

- Install and configure **zsh**: [Link](#)

- Create a new file:

```
touch <filename>
```

- Create a range of files:

```
touch myfiles{1..10}.txt
```

- **grep** for filtering:

```
ls | grep <wanted-folder>
```

Use **-v** to exclude files.

- Check current user:

```
whoami
```

- Check hostname:

```
hostname
```

- Check hostname IP in LAN:

```
hostname -I
```

- Check current port usage:

```
sudo lsof -i -P -n | grep LISTEN
```

- Add alias permanently:

```
echo "alias aliasname='aliascommand'" >>
 ~/.bashrc && source ~/.bashrc
echo "alias aliasname='aliascommand'" >>
 ~/.zshrc && source ~/.zshrc
```

- Add app to PATH:

```
echo 'export PATH=/your/directory/path:
 $PATH' >> ~/.bashrc && source ~/.bashrc
```

- Check disk usage:

```
df -h <your-path>
sudo du -h --max-depth=1
```

- Check partitions:

```
lsblk
```

- Find in file contents:

```
grep -rnw yourpath -e "yourregex"
```

- Run **.jar** file:

```
java -jar yourjarfile.jar
```

- Network manager UI:

```
nmtui
```

- Check used ports:

```
netstat -tunlp
```

- Check proxies:

```
env | grep -i proxy
```

- Check port status:

```
nmap -p 5432 172.19.0.3
```

- Remove files recursively:

```
find . -name "FILENAMEWILDCARD" -delete
```

- Increase login timeout:

```
sudo visudo
Defaults timestamp_timeout=240
```

- Run command in background:

```
yourcommand >output.log 2>&1 &
```

- Check background processes:

```
jobs
```

- Bring job to foreground:

```
fg %1
```

- Resume job in background:

```
bg %1
```

- Kill job:

```
kill %1
```

- Beautify JSON:

```
jsonoutputer | jq .
```

- View logs in real-time:

```
tail -f output.log
```

- Find and replace in file:

```
sed 's/pattern/replacement/g' file
sed -i 's/pattern/replacement/g' file
sed -i.bak 's/pattern/replacement/g' file
```

systemd

- Start service:

```
systemctl start yourservice.service
```

- Stop service:

```
systemctl stop yourservice.service
```

- Restart service:

```
systemctl restart yourservice.service
```

- Enable service:

```
systemctl enable yourservice.service
```

- Disable service:

```
systemctl disable yourservice.service
```

SSH

- Copy file from remote:

```
scp remoteuser@remotehostip:/path/to/file  
localdirectory
```

- Copy folder from remote:

```
scp -r remoteuser@remotehostip:/path/to/  
directory localdirectory
```

- Send file to remote:

```
scp filepath remoteuser@remotehostip:/  
remote/to/directory
```

- Send folder to remote:

```
scp -r folderpath remoteuser@remotehostip:/  
remote/to/directory
```

- Copy files with progress:

```
rsync -ah --progress source destination
```

Security

GPG (GNUPG)

- Generate keys:

```
gpg --gen-key
```

- List keys:

```
gpg --list-secret-keys
```

- Export keys:

```
gpg --export-secret-keys [key-id | email] >  
private_key.asc
```

- Import keys:

```
gpg --import private_key.asc
```

- Delete key:

```
gpg --delete-key [KeyID]  
gpg --delete-secret-key [KeyID]
```

- Symmetric encryption:

```
gpg -c --no-symkey-cache <filename>
```

- Asymmetric encryption:

```
gpg -e -r <key-email> <filename>
```

- Decrypt file:

```
gpg -d <filename>.gpg > <filename>
```

GUI's

Cinnamon

- File manager: nemo

Xfce

- File manager: thunar
- Disk usage analyzer: baobab
- PDF reader: xreader
- Text editor: xed

Gnome

- File manager: nautilus
- Disk usage analyzer: baobab
- PDF reader: xdg-open
- Text editor: gedit

Distros

Debian

- Install .deb package:

```
sudo dpkg -i <packagepath>
```

- Remove .deb package:

```
sudo dpkg -r <packagepath>
```

Mint

- Set root password:

```
sudo passwd root
```

- Install .deb package:

```
sudo dpkg -i <packagepath>
```

- Remove .deb package:

```
sudo dpkg -r <packagepath>
```

- Become root user:

```
sudo su
```

Fedora

- List installed packages:

```
rpm -aq
```

- Download RPM with dependencies:

```
yumdownloader --resolve <package_name>
```

- Rebuild RPM:

```
rpmrebuild your_app_name
```

CentOS

- If root disk usage is 100%, boot into virtual terminal (Ctrl+Alt+F2) and free up space.

Apps and Packages

ncat

- Run server:

```
nc -lv <port>
```

- Send data to server:

```
nc -v localhost <port>
```

Firefox

- Open app:

firefox

Google Chrome

- Open app:

google-chrome