Cheatography

Raspbian Cheat Sheet

by matthias via cheatography.com/33175/cs/13347/

Main

`watch -n [sec] [state ment ]`	Prints the output of statement every sec seconds
`nano [file]`	Edits file
`touch [file]`	Creates empty file
`lsmod`	Lists all loaded modules
`modinfo [module]`	Load infos of module
`dmesg`	Kernel-Log
`free`	Lists RAM usage
`htop`	Starts process manager
`uptime`	Runtime, system load
`uname -a`	print OS version
`top`	Actual system load (like htop)
`lscpu`	Lists CPU inform-ation
`lsblk`	Lists all block devices
`lsusb`	Lists all USB devices

File System Operations

`df -h`	Show disk space
`df -i`	Show free inodes

Package Managing (sudo apt-get ...)

Network operations

`scp [file] [user] @[h ost ]:[ des tin - ation]`	Copying files or folders via SSH (-r for recursive)
`ip addr`	Lists all local IP adrresses

File operations

`find [path] -name [file]`	Search for filename in path
`less [file]`	Shows content of file
`tail -n [N] [file]`	Outputs the last N lines of file

Configuration (/boot/config.ini)

`ld_rot ate= 2`	Rotate Rpi LCD Display
`dtdebug=on`	Write debug log (sudo vcdbg log msg)

Security

Change default password with `passwd`.

Change SSH default port in `/etc/s sh/ ssh d_c onfig`.

```
sudo apt-get install fail2ban
```

Configure fail2ban (`/etc/f ail 2ba n/j a il.conf`):

```
ignoreip = 127.0.0.1 # local IP
bantime = 3600 # ban time in s
maxretry = 5 # ban after 5 retries
```

`update`	Sync soruces
`upgrade`	Execute updates
`dist-u pgrade`	Execute updates with enhanced package conflict management
`install [package]`	Installs package
`install --rein stall [package ]`	Reinstalls package
`remove [package]`	Uninstalls package (excl. configs)
`purge [package]`	Uninstalls package (incl. configs)
`check`	Checks consistency
`clean`	Removes local package-s-ources
`autoremove`	Removes unused packages

Execute all with `sudo apt-get ...`

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