

Linux

Information regarding operations on linux servers.

- [Setup Ubuntu Server on Raspberry Pi](#)
- [Linux eBooks](#)
- [Usefull files](#)
- [Raspberry Pi](#)
- [Operating Systems](#)
 - [Arch Linux](#)
 - [Manjaro](#)
 - [Parrot OS](#)
 - [Kali Linux](#)
 - [Ubuntu](#)
- [Usefull commands](#)

Setup Ubuntu Server on Raspberry Pi

1. Flash the operating system

To flash ubuntu server onto the SD-card the software [Raspberry Pi Imager](#) can be used. It support multiple different operating systems, among other things ubuntu server.

2. Setup Wifi

To setup the Wifi, [following tutorial](#) can be used.

3. Setup Docker

- Update the system
 - `sudo apt-get update && sudo apt-get upgrade -y`
 - `sudo dpkg-reconfigure tzdata`
- Install Docker
 - `curl -fsSL https://get.docker.com -o get-docker.sh`
 - `sudo sh get-docker.sh`
- Add Docker user
 - `sudo usermod -aG docker ubuntu`
 - exit and relog
- Verify docker working
 - `docker version`
 - `docker run hello-world`
- Error handling
 - `sudo apt install linux-modules-extra-raspi` (missing kernel module)
 - reboot

4. Setup Docker Compose

- `sudo curl -L "https://github.com/docker/compose/releases/download/v2.2.3/docker-compose-linux-aarch64" -o /usr/local/bin/docker-compose`

- `sudo chmod +x /usr/local/bin/docker-compose`

5. Clean-Up

- `rm check-config.sh get-docker.sh`

Linux eBooks

Linux Systemhilfe So lösen Sie die häufigsten Linux-Probleme

[E_Paper_LinuxWelt_SH_03_2021_Troubleshooting.pdf](#)

Usefull files

- wpa_supplicant.conf

```
country=DE
ctrl_interface=DIR=/var/run/wpa_supplicant GROUP=netdev
update_config=1

network={
    ssid="20WLAN08Acer"
    psk="xxxx"
}
```

- .bash_aliases

```
alias dps='clear && docker ps --format "table {{.ID}}\t{{.Image}}\t{{.Status}}\t{{.Ports}}"'
alias cd..='cd ..'
alias zzz='tar -zcvf'
alias cls='clear && ls'
```

Raspberry Pi

Pi KVM:

https://www.aliexpress.us/item/3256804386522898.html?gatewayAdapt=deu2usa4itemAdapt&randl_shipto=US

Operating Systems

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Kali Linux

Kali Nethunter

Android Version of Kali Linux

<https://www.kali.org/docs/nethunter/>

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Ubuntu

Usefull commands

Replace spaces with underscores

```
find . -name "** *" -type d | rename 's/_./g'
```