

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`

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