

Box

Setup for my personal (pet) server.

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Introduction

Found an error or have a suggestion? Please open an issue on GitHub (github.com/poijntfx/box):



Figure 1: QR-Code to the source code on GitHub

This document and included source code is Free Culture/Free Software.



Figure 2: Badge of the AGPL-3.0 license

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Debian

Debian

```
sudo umount /dev/mmcblk0{,p1,p0}
curl -L 'https://raspi.debian.net/tested/20210823_raspbian-buster-armbian-ubuntu-20.04-lts'
sudo dd if=/tmp/debian.img of=/dev/mmcblk0 bs=4M status=progress
sync
```

```
sudo mkdir -p /mnt/raspi-boot
sudo mount /dev/mmcblk0p1 /mnt/raspi-boot
{
    echo "root_pw=$(openssl rand -base64 12)"
    echo "root_authorized_key=$(cat ~/.ssh/id_rsa.pub)"
    echo "hostname=jeans-box"
} >>/mnt/raspi-boot/sysconf.txt
sudo umount /dev/mmcblk0{,p1,p0}
```

IPv6

IPv6

```
ssh root@jeans-box
tee /etc/sysctl.d/privacy.conf <<'EOT'
net.ipv6.conf.all.use_tempaddr=2
EOT
sysctl -p

tee /etc/network/interfaces.d/eth0 <<'EOT'
auto eth0
iface eth0 inet dhcp

iface eth0 inet6 static
    address 2001:7c7:2121:8d00::3
    autoconf 1
    accept_ra 2
EOT
```


DNS

jeans—box	10800	IN	AAAA	2001:7c7:2121
*.jeans—box	10800	IN	AAAA	2001:7c7:2121

SSH

SSH

```
ssh root@jeans-box.example.com  
apt update  
apt install -y sudo curl openssh-server  
systemctl enable --now ssh
```

```
adduser jean  
su jean -c "mkdir -m 700 -p ~/.ssh && curl 'https://  
usermod -aG sudo jean
```

```
echo 'PermitRootLogin no' | tee /etc/ssh/ssh_config
```

```
passwd -d root  
passwd -l root  
chsh -s /sbin/nologin  
rm ~/.ssh/authorized_keys
```

firewalld

```
ssh jean@jeans-box.example.com  
sudo apt update  
sudo apt install -y firewalld  
sudo systemctl enable --now firewalld  
sudo firewall-cmd --permanent --add-service=mdns  
sudo firewall-cmd --permanent --add-service=llmnr
```

APT

APT

```
ssh jean@jeans-box.example.com
sudo apt update
sudo apt install -y unattended-upgrades

sudo tee /etc/apt/apt.conf.d/50unattended-upgrades
Unattended-Upgrade::Origins-Pattern {
    "origin=*";
}
Unattended-Upgrade::Automatic-Reboot "true";
Unattended-Upgrade::Automatic-Reboot-Time "02:00";
EOT
sudo systemctl enable --now unattended-upgrades
sudo unattended-upgrades --debug
```


Traefik

Traefik

```
ssh jean@jeans-box.example.com
sudo apt update
sudo apt install -y docker.io
sudo systemctl enable --now docker
```

```
sudo mkdir -p /etc/traefik
sudo tee /etc/traefik/traefik.yaml <<'EOT'
entryPoints:
```

```
  web:
```

```
    address: ":80"
```

```
  websecure:
```

```
    address: ":443"
```

```
  websecurealt:
```

```
    address: ":8443"
```