

Setup

Server Setup

- Login to the server via SSH as root
- Install sudo, create the main user, and add him to the sudoers group

```
# apt install sudo
adduser <username> sudo
```

- (VPS) change the machine name:

```
sudo hostnamectl set-hostname <new-name>
sudo edit /etc/hosts
```

- enable *force_color_prompt=yes* in file *~/.bashrc*
- copy */home/user/.bashrc* to */root* and modify PS1 prompt color (32m -> 31m)

Tuning

- [Swap behavior](#)

Network

- In a minimal install without GUI is no NetworkManager present. Configure the static ip address first to be able to access the host.
- Modify */etc/network/interfaces*:

```
auto enp0s3
iface enp0s3 inet static
    address 192.168.3.150/24
    gateway 192.168.3.1
    dns-nameservers 192.168.3.1
```

- Add the nameserver to */etc/resolv.conf*:

```
nameserver 192.168.3.1
```

- Reboot with either of the following commands:

```
sudo reboot
sudo shutdown -r now
```

- Don't forget to bridge the interface if it is a VirtualBox virtual machine.

Security

- Configure [SSH Access](#)
- Install [UFW Firewall](#)
- Disable root login by changing file /etc/passwd from line 1 to line 2

```
root:x:0:0:root:/root:/bin/bash
root:x:0:0:root:/root:/sbin/nologin
```

Install and configure packages

- Additional packages

```
$ sudo apt update
$ sudo apt install vim
$ sudo apt install zip
$ sudo apt install rename
$ sudo apt install rsync
$ sudo apt install curl
$ sudo apt install hping3
$ sudo apt install openjdk-17-jre openjdk-17-jdk
```

- Change visudo editor

```
$ sudo update-alternatives --config editor
```

- Check install

```
apt-cache policy <packagename>
```

System Shutdown

1. Put a symbolic link to the script to be run at shutdown into /lib/systemd/system-shutdown
 - [How to execute scripts in /usr/lib/systemd/system-shutdown/ at reboot or shutdown?](#)
 - [How to run commands at shutdown on Linux](#)

From:

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Permanent link:

<https://wiki.condrau.com/deb13:minisetup?rev=1789030380>

Last update: **2026/09/10 15:53**

