Web Server - Debian Bullseye 11.4 (VPS)

- I originally switched my VPS from a provider in Thailand to a VPS provided by Server4you 24th September 2021, but they announced to discontinue offering VPS in 2022.
- I switched 27th July 2022 to Contabo which is a German company running servers in all parts of the world. I chose server location Düsseldorf/Germany and Debian 11.4 as OS.

VPS specification

- 4 vCPU
- 8 GB RAM
- 200 GB SSD
- 32 TB outgoing traffic / month
- Debian 11.4
- SSH and VNC access
- 3 month is 13.72 Euro
- My VPS was ready within 5 minutes after order placement

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 <user>
# vi /etc/group (add <user> to line "sudo:x:27:<user>")
```

- change the machine name:

```
sudo edit /etc/hostname
sudo edit /etc/hosts
```

- enable *force_color_prompt=yes* in file *~/.bashrc* and */root/.bashrc*

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
```

Apache 2.4 & PHP 8.1 with SSL

- Install Apache

```
$ sudo apt update
$ sudo apt install apache2
```

- Install PHP - How To Install PHP (8.1, 7.4 & 5.6) on Debian 11

```
$ sudo apt install software-properties-common ca-certificates lsb-
release apt-transport-https gnupg
$ sudo sh -c 'echo "deb https://packages.sury.org/php/ $(lsb_release -
sc) main" > /etc/apt/sources.list.d/php.list'
$ wget -qO - https://packages.sury.org/php/apt.gpg | sudo apt-key add -
$ sudo apt update
$ sudo apt install php8.1 php8.1-mysql php8.1-sqlite3
```

- Enable required modules

```
$ sudo a2enmod rewrite
$ sudo a2enmod ssl
```

- Setup your virtual hosts
- Create sub folders in `/var/log/apache2` if you setup log files for the virtual hosts in sub folders
- Install Let's Encrypt Certbot

ProFTP Server

- Install ProFTP Server

BackupPC

- Setup Configuration on Hosts for BackupPC

Crontab

- Root

```
$ sudo crontab -e
35 3 * * 6 certbot renew && /etc/init.d/apache2 restart
```

Other apps

Install

- ```
  $ sudo apt update
  $ sudo apt install vim
  $ sudo apt install zip
  $ sudo apt install rename
  $ sudo apt install rsync
  ```

Config

- Change visudo editor

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

From:
https://wiki.condrau.com/ - **Bernard's Wiki**

Permanent link:
https://wiki.condrau.com/deb11:pluto?rev=1659338105

Last update: **2022/08/01 14:15**
  ```