

# Howto

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# Guides

- <https://ansible-nas.io/>
- <https://jeeb.uk/posts/gcp-free-tier-watcher/>
- <https://gitlab.com/cyber5k/mistborn>
- <https://www.ckn.io/blog/2017/11/14/wireguard-vpn-typical-setup/>
- [\*\*https://github.com/NotLoBi/NotLoBi\*\*](https://github.com/NotLoBi/NotLoBi)

# Blogs - Wikis

- <https://thehomelab.wiki/>
- <https://blog.gurucomputing.com.au/>
- <https://www.smarthomebeginner.com/traefik-docker-compose-guide-2022/>
- <https://esc.sh/blog/lets-encrypt-and-nginx-definitive-guide/>
- <https://pcx3.com/>
- <https://sweworld.net/>
-

# Tools-Scripts

- <https://tteck.github.io/Proxmox/>
- <https://www.privacytools.io/>
- <https://swizzin.ltd/>
- <https://yams.media/>
- <https://pgtune.leopard.in.ua/#/>

# LAMP Server

Install a simple LAMP server on debian/ubuntu

```
hostnamectl set-hostname name.domain.tld

apt -y install net-tools sudo wget curl bash-completion

apt -y install apache2

apt -y install libapache2-mod-php8.1 php8.1 php8.1-gd php8.1-xml php8.1-curl php8.1-mbstring php8.1-xmlrpc

# For nextcloud add following line
apt-get install php8.1-intl php-imagick php8.1-xml php8.1-zip

apt -y install php8.1-mysql mariadb-server mariadb-client

systemctl start mariadb

mysql_secure_installation

mysql

MariaDB> use mysql;

MariaDB> update user set plugin='' where User='root';

MariaDB> flush privileges;

MariaDB> quit

a2enmod rewrite ssl


nano /etc/apache2/sites-enabled/000-default.conf


<Directory /var/www/html>


    Options Indexes FollowSymLinks MultiViews


    AllowOverride All


    Require all granted


</Directory>


nano /etc/apache2/sites-available/default-ssl.conf


<Directory /var/www/html>
```

Options Indexes FollowSymLinks MultiViews

AllowOverride All

Require all granted

</Directory>

pico /etc/apache2/sites-available/default-ssl.conf

SSLProtocol all -SSLv2 -SSLv3

# Add SSL Cipher in one long line

SSLCipherSuite ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-AES256-GCM-SHA384:DHE-RSA-AES128-GCM-SHA256:DHE-DSS-AES128-GCM-SHA256:kEDH+AESGCM:ECDHE-RSA-AES128-SHA256:ECDHE-ECDSA-AES128-SHA256:ECDHE-RSA-AES128-SHA:ECDHE-ECDSA-AES128-SHA:ECDHE-RSA-AES256-SHA384:ECDHE-ECDSA-AES256-SHA384:ECDHE-RSA-AES256-SHA:ECDHE-ECDSA-AES256-SHA:DHE-RSA-AES128-SHA256:DHE-RSA-AES128-SHA:DHE-DSS-AES128-SHA256:DHE-RSA-AES256-SHA256:DHE-DSS-AES256-SHA:DHE-RSA-AES256-SHA:AES128-GCM-SHA256:AES256-GCM-SHA384:AES128-SHA256:AES256-SHA256:AES128-SHA:AES256-SHA:AES:CAMELLIA:DES-CBC3-SHA:!aNULL:!eNULL:!EXPORT:!DES:!RC4:!MD5:!PSK:!aECDH:!EDH-DSS-DES-CBC3-SHA:!EDH-RSA-DES-CBC3-SHA:!KRB5-DES-CBC3-SHA

SSLHonorCipherOrder on

SSLOptions +StrictRequire

Header always set Strict-Transport-Security "max-age=63072000; includeSubdomains"

Header always set X-Frame-Options DENY

Header always set X-Content-Type-Options nosniff

a2enmod headers

systemctl restart apache2.service

```
apache2ctl -t
```

```
systemctl restart apache2.service mariadb.service
```

```
systemctl enable apache2.service mariadb.service
```

```
apt-get -y install certbot
```

```
apt-get -y install python-certbot-apache
```

```
certbot --authenticator webroot --installer apache
```

```
crontab -e
```

```
0 2 * * * certbot renew >> /var/log/letsencrypt.log
```

# Self-Host



Self-Host

# Nextcloud on Debian

<https://theselfhosting.art/how-to-setup-the-fastest-nextcloud-ever-on-debian-11/>

Self-Host

# Most used self-hosted services in 2022

<https://selfhosted-services-2022.deployn.de/>

# OAuth2 Authentication With OAuth2-Proxy, NginxProxyManager, and Keycloak

<https://eanix.net/2023/03/06/how-to-oauth2-keycloak-npm/>

# Sync pihole

<https://github.com/vmstan/gravity-sync>

# Hacks for windows

Hacks for windows

# Small Hacks

- <https://superuser.com/questions/1333637/how-to-remove-unknown-locale-qaa-latn-from-fresh-windows-server-installation>