

This tutorial will go through mailman3 installation with postfix in a Debian OS. It assumes that postfix (a Mail Transport Agent, aka MTP) and mailutils are already installed in the system and configured, and the system can send emails, e.x root user is sending admin related emails. It also assumes that python3, postgresql and apache2 are installed in the system too. A. SSH to the remote server enter root user and do a system update with apt update && apt upgrade. Install dependencies:

```
sudo apt install python3-dev python3-venv sassc lynx
```

install rust, needed for python Cryptography library later on

```
curl --proto '=https' --tlsv1.2 -sSf https://sh.rustup.rs | sh
```

```
# rustc --version
```

Install some more:

```
# apt-get install build-essential libssl-dev libffi-dev python3-dev cargo
```

<https://docs.mailman3.org/en/latest/install/virtualenv.html#installing-dependencies>

also GNU mailman wiki suggests to install

```
# apt install memcached
```

```
# apt install fail2ban
```

```
# apt install gettext
```



* for the sass installation the easier for debian is to download from source and make a symbolic link to /usr/local/bin

```
# cd /usr/local/lib
```

```
# wget
```

```
https://github.com/sass/dart-sass/releases/download/1.32.5/dart-sass-1.32.5-linux-x64.tar.gz
```

```
# tar -xf dart-sass-1.32.5-linux-x64.tar.gz
```

```
# chmod -R 755 dart-sass
```

```
# ln -s /usr/local/lib/dart-sass/sass /usr/local/bin/sass
```

```
# rm -f dart-sass-1.32.5-linux-x64.tar.gz
```

ref https://wiki.list.org/DOC/Howto_Install_Mailman3_On_Debian10

B. Create a postgresql database for mailman

<https://docs.mailman3.org/en/latest/install/virtualenv.html#setup-database>

C. Setup mailman user and directory

```
useradd -m -d /opt/mailman -s /usr/bin/bash mailman
```

```
chown dir for user
```

```
enter user mailman
```

<https://docs.mailman3.org/en/latest/install/virtualenv.html#setup-mailman-user>

D. Go to mailman's dir and create a virtualenv

```
python3 -m venv venv
```

<https://docs.mailman3.org/en/latest/install/virtualenv.html#virtualenv-setup>

E. Install Mailman and other python libraries

```
(venv)$ pip install wheel mailman psycopg2-binary
```

```
pip install mailman-web mailman-hyperkitty
```

mailman-web provides hyperkitty and postorius for the web interface, as well as shortcuts to django admin commands

Install the following for mailman-web application to be able to talk with

apache2 server gateway

```
pip install pylibmc gunicorn
```

<https://docs.mailman3.org/en/latest/install/virtualenv.html#installing-mailman-core>

F. Mailman and hyperkitty configurations:

Exit mailman user and as a root we create

/etc/mailman3/ dir, make owner of this dir the user mailman and create the files mailman.cfg and settings.py in the /etc dir and mailman-hyperkitty.cfg in mailman's user dir (have a look at these files)

<https://docs.mailman3.org/en/latest/install/virtualenv.html#installing-mailman-core>

<https://docs.mailman3.org/en/latest/install/virtualenv.html#initial-configuration>