

Installation Frappe-ERPNext Version-15 in Ubuntu 22.04 LTS

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Steps to Install python 3.11.xx

Note: If you are using ubuntu 23.xx or latest the default python version is 3.11.xx. So you can skip the python 3.11 installation steps

install Python 3.11 by executing the following command in your terminal:

```
sudo apt install python3.11
```

```
python3 --version
```

STEP 1 Install git

```
sudo apt-get install git
```

STEP 2 install python-dev

```
sudo apt-get install python3-dev
```

STEP 3 Install setuptools and pip (Python's Package Manager).

```
sudo apt-get install python3-setuptools python3-pip
```

STEP 4 Install virtualenv

```
sudo apt install python3.11-venv
```

STEP 5 Install MariaDB

```
sudo apt-get install software-properties-common
sudo apt install mariadb-server
sudo mysql_secure_installation
```

In order to log into MariaDB to secure it, we'll need the current password for the root user. If you've just installed MariaDB, and haven't set the root password yet, you should just press enter here.

```
Enter current password for root (enter for none): # PRESS ENTER
OK, successfully used password, moving on...
```

```
Switch to unix_socket authentication [Y/n] Y
Enabled successfully!
Reloading privilege tables..
... Success!
```

```
Change the root password? [Y/n] Y
New password:
Re-enter new password:
Password updated successfully!
Reloading privilege tables..
... Success!
```

```
Remove anonymous users? [Y/n] Y
... Success!

Disallow root login remotely? [Y/n] Y
... Success!

Remove test database and access to it? [Y/n] Y
- Dropping test database...
... Success!
- Removing privileges on test database...
... Success!

Reload privilege tables now? [Y/n] Y
... Success!
```

STEP 6 MySQL database development files

```
sudo apt-get install libmysqlclient-dev
```

STEP 7 Check DataBase Command

```
sudo mysql -u root -p
```

Now press (Ctrl-X) to exit

```
sudo service mysql restart
```

STEP 8 install Redis

```
sudo apt-get install redis-server
```

Check node version using command - **node -v**

Check nvm version using command - **nvm -v**

If your node version is less than 20 then -

Go to --> <https://www.digitalocean.com/community/tutorials/how-to-install-node-js-on-ubuntu-20-04>

Go to option no.3 and run command in terminal --> **curl -o-
<https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh>**

```
curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.3/install.sh | bash
```

```
source ~/.bashrc
```

```
nvm list-remote
```

```
nvm install v20.17.0
```

Now check node Version will be **v20.1710**

STEP 9 install Yarn

```
sudo apt-get install npm
```

```
sudo npm install -g yarn --force
```

STEP 10 install wkhtmltopdf

```
sudo apt-get install xvfb libfontconfig wkhtmltopdf
```

STEP 11 install frappe-bench

```
sudo -H pip3 install frappe-bench
```

```
bench --version
```

STEP 12 initialise the frappe bench & install frappe latest version

```
bench init frappe-bench --frappe-branch version-15 --python python3.11
```

```
cd frappe-bench/
```

```
bench start
```

STEP 13 Open New Terminal & run this cmd to create a site in frappe bench

```
bench new-site dcode.com
```

```
bench get-app https://github.com/frappe/erpnext --branch version-15
```

```
bench --site dcode.com install-app erpNext
```

Note - if it gives you error erpNext is not installed then uninstall it by - `bench --site dcode.com uninstall-app erpNext`
and reinstall it by `bench --site dcode.com install-app erpNext`

STEP 14 Check the site you have to run

```
bench use dcode.com
```

Now go to your previous terminal **exit** the bench by **ctrl + c** and run **bench start** cmd.

When you have to stop the bench or redis server do not forgot to run below commands -

Note - This command is not valid for Server

```
sudo systemctl stop redis
```

```
sudo service redis-server stop
```

Install apps according to your need from your github or gitlab repositories

```
bench get-app git@git.radixforce.com:enterprise/erpnext.git --branch erpNext  
bench --site radixsite.com install-app erpNext
```

```
bench get-app hrms git@git.radixforce.com:enterprise/hrms.git --branch hrms  
bench --site radixsite.com install-app hrms
```

bench start

SETUP PRODUCTION SERVER

1.1 Enable scheduler service



```
bench --site site1.local enable-scheduler
```

1.2 Disable maintenance mode

```
bench --site site1.local set-maintenance-mode off
```

1.3 Setup production config

```
sudo bench setup production [frappe-user]
```

1.4 Setup NGINX web server

```
bench setup nginx
```

1.5 Final server setup

```
sudo supervisorctl restart all  
sudo bench setup production [frappe-user]
```

When prompted to save new/existing config files, hit “Y”

tada: Ready to Go!

You can now go to your server **[IP-address]:80** and you will have a fresh new installation of ERPNext ready to be configured!

If you are facing any issues with the ports, make sure to enable all the necessary ports on your firewall using the below commands;

```
sudo ufw allow 22, 25, 143, 80, 443, 3306, 3022, 8000/tcp  
sudo ufw enable
```

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