

# Prathivan's installation Guide

Wednesday, May 29, 2024 5:51 PM

## Frappe & ERPnext :

Doc ref from [link](https://discuss.frappe.io/t/guide-how-to-install-erpnext-v15-on-linux-ubuntu-step-by-step-instructions/111706): <https://discuss.frappe.io/t/guide-how-to-install-erpnext-v15-on-linux-ubuntu-step-by-step-instructions/111706>

### Update & upgrade server packages:

```
sudo apt-get update -y
sudo apt-get upgrade -y
apt install fail2ban
```

### Create a new user:

```
sudo adduser [frappe-user]
usermod -aG sudo [frappe-user]
su [frappe-user]
cd /home/[frappe-user]/
```

### INSTALL REQUIRED PACKAGES:

#### Install GIT:

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

#### Install Python:

```
sudo apt-get install python3-dev python3.10-dev python3-setuptools python3-pip python3-distutils
```

#### Install Python Virtual Environment:

```
sudo apt-get install python3.10-venv
```

#### Install Software Properties Common:

```
sudo apt-get install software-properties-common
```

#### Install MariaDB:

```
sudo apt install mariadb-server mariadb-client
```

#### Install redis server:

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

#### Install for font, pdf's:

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

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

### CONFIGURE MYSQL SERVER

#### Setup the server

```
sudo mysql_secure_installation
```

During the setup process, the server will prompt you with a few questions as given below. Follow the instructions to continue the setup;

- Enter current password for root: (Enter your SSH root user password)
- Switch to unix\_socket authentication [Y/n]: Y
- Change the root password? [Y/n]: Y  
It will ask you to set new MySQL root password at this step. This can be different from the SSH root user password.
- Remove anonymous users? [Y/n] Y
- Disallow root login remotely? [Y/n]: N  
This is set as N because we might want to access the database from a remote server for using business analytics software like Metabase / PowerBI / Tableau, etc.
- Remove test database and access to it? [Y/n]: Y
- Reload privilege tables now? [Y/n]: Y

#### Edit the MySQL default config file

```
sudo nano /etc/mysql/my.cnf
```

**Add the below code block at the bottom of the file;**

```
[mysqld]
character-set-client-handshake = FALSE character-set-server = utf8mb4 collation-server = utf8mb4_unicode_ci
[mysql]
default-character-set = utf8mb4
```

**Copy and paste these code and then Ctrl+S =save & Ctrl+X=exit**

**Restart the MySQL server (for the config to take effect)**

```
sudo service mysql restart
```

## Install CURL, Node, NPM and Yarn

### Install CURL

```
sudo apt install curl
```

### Install Node

```
curl https://raw.githubusercontent.com/creationix/nvm/master/install.sh | bash
```

```
source ~/.profile
```

```
nvm install 18
```

### Install NPM

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

### Install Yarn

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

## INSTALL FRAPPE BENCH

### Install Frappe Bench

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

### Initialize Frappe Bench

```
bench init --frappe-branch version-15 frappe-bench
```

### Go to Frappe Bench directory

```
cd frappe-bench/
```

### Change user directory permissions

```
chmod -R o+rx /home/[frappe-user]/
```

### Create a New Site

```
bench new-site site1.local
```

## Install ERPNext and other Apps

**Download the necessary apps to our server**

**Download the payments apps . This app is required during ERPNext installation**

```
bench get-app payments
```

## Download the main ERPNext app

```
bench get-app --branch version-15 erpnext
```

## Download the HR & Payroll app (optional)

```
bench get-app hrms
```

## Install all the Apps

## Install the main ERPNext app

```
bench --site site1.local install-app erpnext
```

## Install the HR & Payroll app (optional)

```
bench --site site1.local install-app hrms
```

# SETUP PRODUCTION SERVER

## Disable maintenance mode

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

## Setup production config

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

## Setup NGINX web server

```
bench setup nginx
```

## Final server setup

```
sudo supervisorctl restart all
```

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

## Resolve Http error and not secure in website:

```
bench config dns_multitenant on
```

```
sudo apt-get install certbot
```

```
sudo -H bench setup lets-encrypt prativan.hs2.ht3.digitalwording.co.in
```

## Error on nginx:

Remove the first three para in main.yml file path shown in error mess:

These are the para:

```
- include: centos.yml
```

```
  when: ansible_distribution == 'CentOS' and ansible_distribution_major_version|int >= 6
```

```
- include: ubuntu-trusty.yml
```

```
  when: ansible_distribution == 'Ubuntu' and ansible_distribution_version == '14.04'
```

```
- include: ubuntu-xenial_bionic.yml
```

```
  when: ansible_distribution == 'Ubuntu' and ansible_distribution_major_version|int >= 16
```

## Supervisorctl restart error:

```
bench setup socketio
```

```
bench setup supervisor
```

```
bench setup redis
```

```
sudo supervisorctl reload
```

## Login:

After the installation done login through Administrator login credentials are noted in workbench setup.