

Installation steps of Odoo 9 :

Step 1 :

First step to start is, make sure your server has all the latest versions & patches by doing an update:

You can use the below given two commands.

```
sudo apt-get update  
sudo apt-get dist-upgrade
```

Step 2 :

We need to create an Odoo System User which will own and run the odoo application on our system.

This user is a system user, i have created this user here as home directory is reside in /opt/odoo with the help of below command.

```
sudo adduser --system --home=/opt/odoo --group odoo
```

Step 3 :

We can check wether we are able to login with newly created user with the below command.

```
sudo su - odoo -s /bin/bash
```

and check wethere we landed in the home directory /home/odoo by the command pwd.

By pressing exit, logout or ctrl+d come out from the user odoo.

Step 4 :

In this step we will install the database postgresql. With the help of below command.

```
sudo apt-get install postgresql
```

By default it will install postgres 9.3 on Ubuntu 14.04 LTS, if we want we can upgrade it with the required version.

We need to update the source list.

To install postgresql 9.4 follow the below steps.

Step 4.1

Create the new file pgdg.list under /etc/apt/sources.list.d directory and add the below line for repository.

```
deb http://apt.postgresql.org/pub/repos/apt trusty-pgdg main
```

Step 4.2

Import the repo key with below command.

```
wget --quiet -O -  
https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo  
apt-key add -
```

Step 4.3

Update the package list.

```
sudo apt-get update
```

Step 4.4

Once the package list is updated, we can search and install the required 9.4 version of postgres.

```
sudo apt-get install postgresql-9.4
```

Step 5 :

Once we have install postgres 9.4 version, login to postgres to we can configure the required database.

```
sudo su - postgres
```

Step 6 :

Here we create a new database user which has privilege to create and drop the database. We create the user name odoo here and password is of individual choice.

```
createuser --createdb --username postgres --no-createrole --no-superuser --pwprompt odoo
```

```
Enter password for new role: *****
```

```
Enter it again: *****
```

Step 7 :

once all steps performed, exit from the account, with below command.

```
exit
```

Step 8 :

Installation of required libraries.

We can install the libraries with below command.

```
sudo apt-get install python-pip python-dev libevent-dev gcc  
libxml2-dev libxslt-dev node-less libldap2-dev libssl-dev libpq-dev  
python-dev python-ldap libsasl2-dev
```

Odoo9 is depends on node-less package.

Once installing the system libraries we can install python libraries using pip.

Create **requirement.txt** file on the system.

Here is command which will change the directory to /tmp, get the official requirement.txt from

<https://github.com/odoo/odoo/blob/9.0/requirements.txt>

and install it in your system. it will reduce steps to install the python dependency to install odoo 9 in your system.

First move to /tmp directory.

```
sudo cd /tmp  
  
wget  
https://raw.githubusercontent.com/odoo/odoo/9.0/requirements.txt  
&& sudo pip install -r requirements.txt
```

Once it finished, all the dependancies for Odoo9 installation will be finished.

Step 9 :

For Qweb templating, we have to install wkhtmltopdf and we can download it from below links.

For 32 bit :

http://download.gna.org/wkhtmltopdf/0.12/0.12.2.1/wkhtmltox-0.12.2.1_linux-trusty-i386.deb

For 64 bit :

http://download.gna.org/wkhtmltopdf/0.12/0.12.2.1/wkhtmltox-0.12.2.1_linux-trusty-amd64.deb

Download the required one as per version in /tmp directory.

And run the below command as per requirement.

For 32 bit :

```
sudo dpkg -i /tmp/wkhtmltox-0.12.2.1_linux-trusty-i386.deb
```

For 64 bit :

```
sudo dpkg -i /tmp/wkhtmltox-0.12.2.1_linux-trusty-amd64.deb
```

Step 10 :

Now we will proceed to Odoo installation.

Download the latest Odoo9 with below command in the /opt/odoo directory.

```
sudo wget https://github.com/odoo/odoo/archive/9.0.zip
```

Unzip the downloaded file

```
sudo unzip file_name
```

Rename the extracted folder to odoo

```
sudo mv Extracted_folder odoo
```

Step 11 :

Configuration of Odoo.

Here we have to find the configuration file of odoo application and it is reside under

/opt/odoo/odoo/debian directory.

We have to copy this file and also need to change permission and ownership.

Below are the commands we can use for this.

```
sudo cp /opt/odoo/odoo/debian/openerp-server.conf /etc/odoo-server.conf  
sudo chown odoo: /etc/odoo-server.conf  
sudo chmod 640 /etc/odoo-server.conf
```

we can verify made changes with the below command

```
ll /etc/odoo-server.conf
```

with the above changes, /etc/odoo-server.conf file will be owned and writeable only by odoo user and group. Root has read permission on it.

Make below changes to allow odoo to use default addons.

In the configuration file add the below line for addons_path.

```
addons_path = /opt/odoo/odoo/addons
```

Now we move towards to init script.

By default it is stored in `/opt/odoo/odoo/debian/init`. Modify it set the proper daemon path and save it.

Copy it `/etc/init.d` directory and name it as `odoo-server` and also change ownership to `odoo` user and permit it to executable.

We also need to create the log file to store the logs with the permission that `odoo` user should write it.

Below are the commands.

```
sudo mkdir /var/log/odoo
cd /var/log/odoo
sudo nano odoo-server.log
```

Save the file and exit from it.

give the permission to writable by the `odoo` user.

```
sudo chmod 755 /var/log/odoo/odoo-server.log
sudo chown odoo:root -R /var/log/odoo/
```

So we have finished with the configuration part.

Step 12 :

Its the time to check our server

to start the server type the below command.

```
sudo /etc/init.d/odoo-server start
```

we can see the log file

```
sudo tail -f /var/log/odoo/odoo-server.log
```

if everything is fine in log file, then we can go in browser with the ip or localhost if it configured locally.

```
http://IP_ADDRESS:8069
```

or

```
http://localhost:8069
```

if configured locally.

To automatically start and stop the Odoo at the time of system start and shut, run the below command.

```
sudo update-rc.d odoo-server defaults
```