

## Setup Odoo 14 locally using virtual environment on Ubuntu 20.04 LTS

### Screenshot 01: Create Odoo User

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo adduser -system -home=/opt/odoo -group odoo  
Warning: The home dir /opt/odoo you specified already exists.  
The system user `odoo' already exists. Exiting.  
bleverbd@bleverbd:~$
```

### Screenshot 02: Install PostgreSQL Server

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install postgresql -y  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
postgresql is already the newest version (12+214ubuntu0.1).  
The following packages were automatically installed and are no longer required:  
  libfprint-2-tod1 liblvm9
```

### Screenshot 03: Create Odoo User for PostgreSQL

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo su - postgres -c "createuser -s odoo" 2> /dev/null ||  
true  
bleverbd@bleverbd:~$
```

### Screenshot 04: Install Python Dependencies

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo su - postgres -c "createuser -s odoo" 2> /dev/null || true  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install git python3 python3-pip build-essential wget python3-dev python3-venv python3-wheel libxslt-dev libz  
ip-dev libldap2-dev libssl2-dev python3-setuptools node-less libjpeg-dev gdebi -y  
Reading package lists... Done  
Building dependency tree
```

### Screenshot 05: Install Python PIP Dependencies

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install git python3 python3-pip build-essential wget python3-dev python3-venv python3-wheel libxslt-dev libz  
ip-dev libldap2-dev libssl2-dev python3-setuptools node-less libjpeg-dev gdebi -y  
Reading package lists... Done  
Building dependency tree  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo -H pip3 install -r https://raw.githubusercontent.com/odoo/odoo/master/requirements.txt
```

### Screenshot 06: Install nodjs npm Packages

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install nodejs npm -y  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
nodejs is already the newest version (10.19.0~dfsg-3ubuntu1).  
nodejs set to manually installed.  
npm is already the newest version (6.14.4+ds-1ubuntu2).  
The following packages were automatically installed and are no longer required:  
  libfprint-2-tod1 liblvm2  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo npm install -g rtlcss  
/usr/local/bin/rtlcss -> /usr/local/lib/node_modules/rtlcss/bin/rtlcss.js  
npm WARN rtlcss@3.3.0 requires a peer of postcss@^8.2.4 but none is installed. You must install peer dependencies yourself.  
  
+ rtlcss@3.3.0  
added 19 packages from 42 contributors in 4.517s  
  
New major version of npm available! 6.14.4 -> 7.20.6  
Changelog: https://github.com/npm/cli/releases/tag/v7.20.6  
Run npm install -g npm to update!  
  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install xfonts-75dpi  
Reading package lists... Done
```

### Screenshot 07: Install Wkhtmltopdf

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install xfonts-75dpi  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
xfonts-75dpi is already the newest version (1:1.0.4+nm1).  
xfonts-75dpi set to manually installed.  
The following packages were automatically installed and are no longer required:  
  libfont2-2-tod1 liblvm9  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo wget https://github.com/wkhtmltopdf/packaging/releases/download/0.12.6-1/wkhtmltox_0.12.6-1.bionic_amd64.deb  
--2021-08-15 23:35:58-- https://github.com/wkhtmltopdf/packaging/releases/download/0.12.6-1/wkhtmltox_0.12.6-1.bionic_amd64.deb  
Resolving github.com (github.com)... 20.205.243.166  
Connecting to github.com (github.com)|20.205.243.166|:443... connected.  
HTTP request sent, awaiting response... 302 Found  
Location: https://github-releases.githubusercontent.com/131323182/b6d71780-ab7e-11ea-9b13-e2875e48ec6c?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20210815%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210815T173559Z&X-Amz-Expires=300&X-Amz-Signature=83b67463f03f35cdia9f3314a7d4d28a43a911634295ce62d03595ec618c0fef&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=131323182&response-content-disposition=attachment%3B%20filename%3Dwkhtmltox_0.12.6-1.bionic_amd64.deb&response-content-type=application%2Foctet-stream [following]  
--2021-08-15 23:35:59-- https://github-releases.githubusercontent.com/131323182/b6d71780-ab7e-11ea-9b13-e2875e48ec6c?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20210815%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210815T173559Z&X-Amz-Expires=300&X-Amz-Signature=83b67463f03f35cdia9f3314a7d4d28a43a911634295ce62d03595ec618c0fef&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=131323182&response-content-disposition=attachment%3B%20filename%3Dwkhtmltox_0.12.6-1.bionic_amd64.deb&response-content-type=application%2Foctet-stream  
Resolving github-releases.githubusercontent.com (github-releases.githubusercontent.com)... 185.199.109.154, 185.199.110.154, 185.199.111.154, ...  
Connecting to github-releases.githubusercontent.com (github-releases.githubusercontent.com)|185.199.109.154|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 15729530 (15M) [application/octet-stream]  
Saving to: 'wkhtmltox_0.12.6-1.bionic_amd64.deb'  
  
wkhtmltox_0.12.6-1. 100%[=====] 15.00M 1.56MB/s in 9.5s  
  
2021-08-15 23:36:09 (1.57 MB/s) - 'wkhtmltox_0.12.6-1.bionic_amd64.deb' saved [15729530/15729530]  
  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo dpkg -i wkhtmltox_0.12.6-1.bionic_amd64.deb
```

## Screenshot 08:

- Install Wkhtmltopdf
- Create Log Directory
- Odoo Install

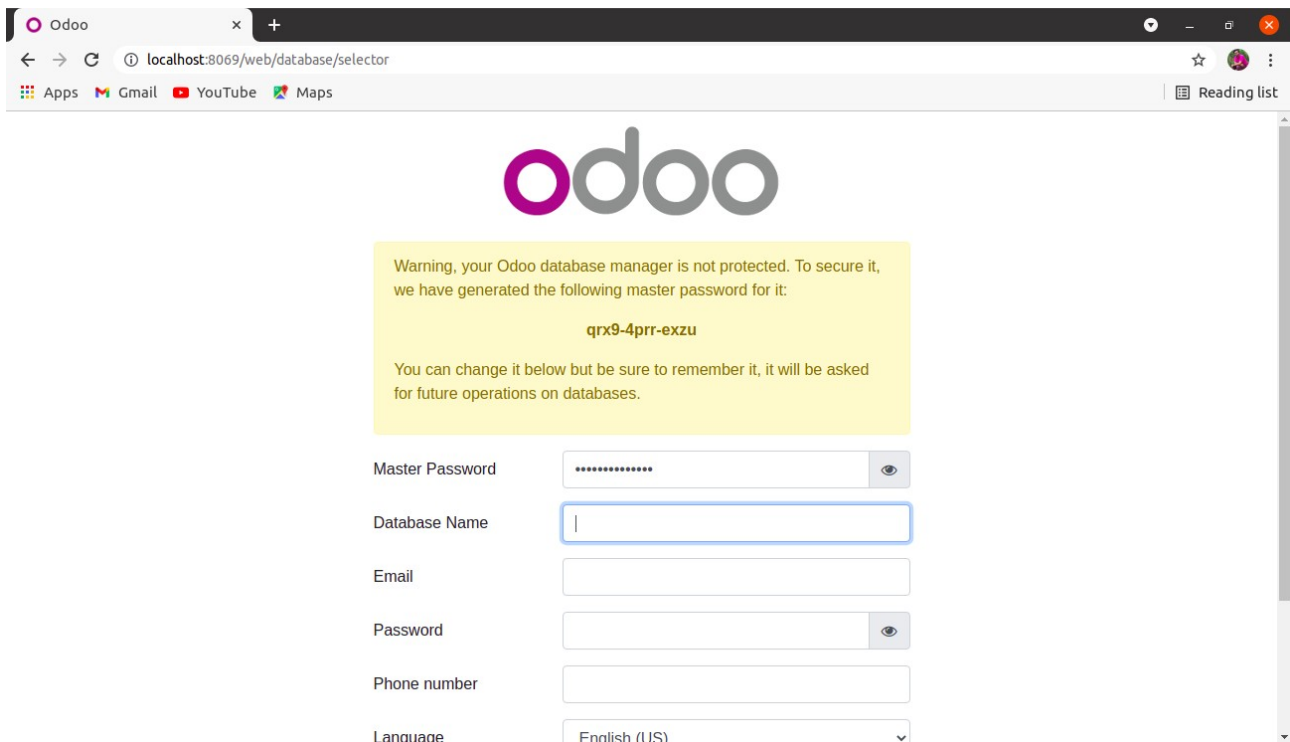
```
bleverbd@bleverbd: ~  
wkhtmltox_0.12.6-1. 100%[=====] 15.00M 1.56MB/s in 9.5s  
2021-08-15 23:36:09 (1.57 MB/s) - 'wkhtmltox_0.12.6-1.bionic_amd64.deb' saved [15729530/15729530]  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo dpkg -i wkhtmltox_0.12.6-1.bionic_amd64.deb  
(Reading database ... 222720 files and directories currently installed.)  
Preparing to unpack wkhtmltox_0.12.6-1.bionic_amd64.deb ...  
Unpacking wkhtmltox (1:0.12.6-1.bionic) over (1:0.12.5-1.bionic) ...  
Setting up wkhtmltox (1:0.12.6-1.bionic) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo cp /usr/local/bin/wkhtmltoimage /usr/bin/wkhtmltoimage  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo cp /usr/local/bin/wkhtmltopdf /usr/bin/wkhtmltopdf  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo mkdir /var/log/odoo  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo chown odoo:odoo /var/log/odoo  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo apt-get install git  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
git is already the newest version (1:2.25.1-1ubuntu3.1).  
The following packages were automatically installed and are no longer required:  
  libfprint-2-tod1 libllvm9  
Use 'sudo apt autoremove' to remove them.  
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo git clone --depth 1 --branch master https://www.github.com/odoo/odoo /odoo/odoo-server  
Cloning into '/odoo/odoo-server'...  
warning: redirecting to https://github.com/odoo/odoo.git/  
remote: Enumerating objects: 28768, done.  
remote: Counting objects: 100% (28768/28768), done.  
remote: Compressing objects: 100% (23630/23630), done.  
remote: Total 28768 (delta 7941), reused 13454 (delta 4014), pack-reused 0  
bleverbd@bleverbd:~$
```

## Screenshot 04:

- Setting Permissions on Home Folder
- Create Server config file
- Start Odoo

```
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo chown -R odoo:odoo /odoo/*  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo touch /etc/odoo-server.conf  
bleverbd@bleverbd:~$ sudo su root -c "printf '[options] \n; This is the password that allows database operations:\n' >> /etc/odoo-server.conf"  
bleverbd@bleverbd:~$ sudo su root -c "printf 'admin_passwd = admin\n' >> /etc/odoo-server.conf"  
bleverbd@bleverbd:~$ sudo su root -c "printf 'xmlrpc_port = 8069\n' >> /etc/odoo-server.conf"  
bleverbd@bleverbd:~$ sudo su root -c "printf 'logfile = /var/log/odoo/odoo-server.log\n' >> /etc/odoo-server.conf"  
bleverbd@bleverbd:~$ sudo su root -c "printf 'addons_path=/odoo/odoo-server/addons\n' >> /etc/odoo-server.conf"  
bleverbd@bleverbd:~$ sudo chown odoo:odoo /etc/odoo-server.conf  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo touch /etc/odoo-server.conf  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo touch /etc/odoo-server.conf  
[sudo] password for bleverbd:  
bleverbd@bleverbd:~$  
bleverbd@bleverbd:~$ sudo chmod 640 /etc/odoo-server.conf  
bleverbd@bleverbd:~$ sudo su - odoo -s /bin/bash  
odoo@bleverbd:~$ cd /odoo/odoo-server  
odoo@bleverbd:/odoo/odoo-server$ ./odoo-bin -c /etc/odoo-server.conf
```

## Go to web browser and Write for Access at localhost:8069



Odoo

localhost:8069/web/database/selector

Apps Gmail YouTube Maps Reading list

# odoo

Warning, your Odoo database manager is not protected. To secure it, we have generated the following master password for it:

**qrx9-4pr-r-exzu**

You can change it below but be sure to remember it, it will be asked for future operations on databases.

Master Password

Database Name

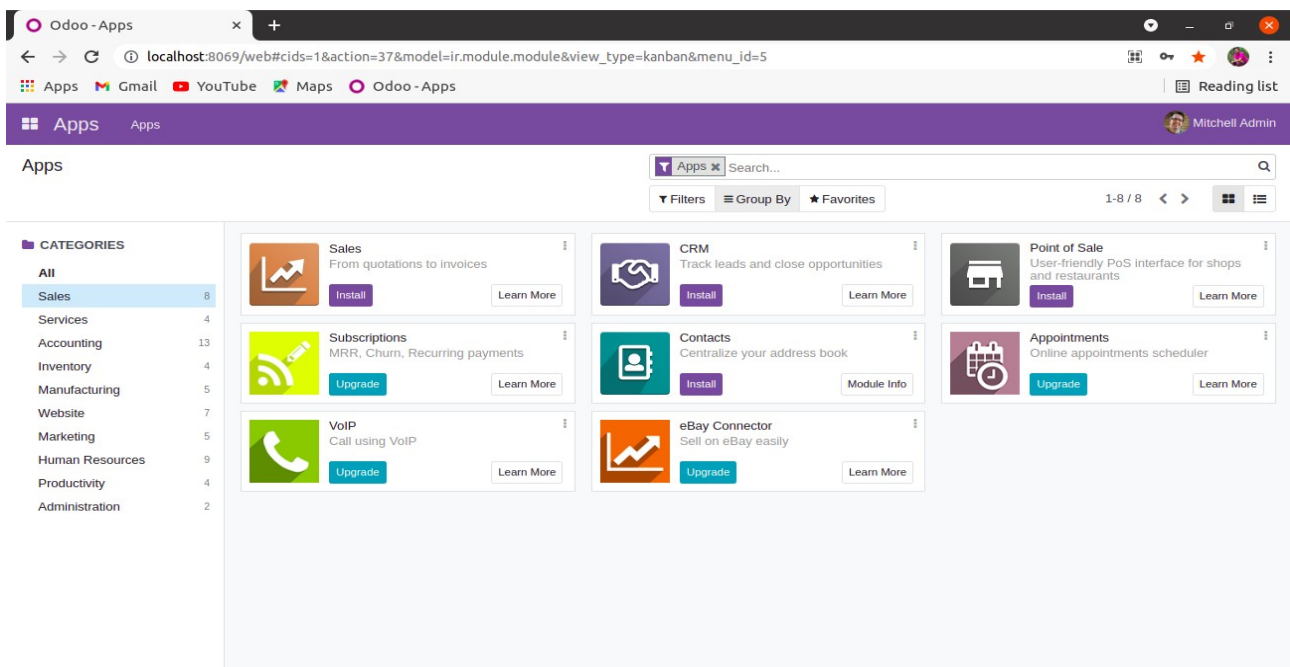
Email

Password

Phone number

Language

## Next My Screen:



Odoo - Apps

localhost:8069/web#cid=1&action=37&model=ir.module.module&view\_type=kanban&menu\_id=5

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