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# odoo 12 install from source Debian 10

Two servers:

- Debian 10 to front end
- Debian 10 to database

## Both servers

```
sudo apt update
sudo apt upgrade -y
sudo apt -y install python3-pip sudo
sudo useradd odoo
sudo mkdir /home/odoo
sudo chown odoo.odoo /home/odoo/
```

## Database

```
sudo apt install -y postgresql postgresql-client
sudo -u postgres createuser --createdb --username postgres --no-createrole -
-no-superuser odoo
sudo -u postgres psql -c '\x' -c 'ALTER USER odoo WITH SUPERUSER'
sudo -u postgres psql -c '\x' -c "ALTER USER odoo WITH PASSWORD 'odoo';"
sudo sed -i '/^host      all          all          127.0.0.1\32
md5/a host      all          all          192.168.122.0\24      md5'
/etc/postgresql/11/main/pg_hba.conf
sudo sed -i "s/= 'localhost/= 'localhost,192.168.122.14/g"
/etc/postgresql/11/main/postgresql.conf
sudo sed -i 's/#listen_addresses/listen_addresses/g'
/etc/postgresql/11/main/postgresql.conf
sudo systemctl restart postgresql
```

## Front-end

```
wget
https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.5/wkhtmlto
x_0.12.5-1.buster_amd64.deb
sudo dpkg -i wkhtmltox_0.12.5-1.buster_amd64.deb
sudo apt-get -f install -y
sudo apt -y install python3-dev libxml2-dev libxslt1-dev libldap2-dev
libsasl2-dev git python3-dev libpq-dev
sudo git clone --depth 1 --branch 12.0 https://www.github.com/odoo/odoo.git
/opt/odoo
sudo chown -R odoo.odoo /opt/odoo/
cd /opt/odoo
sudo -u odoo pip3 install setuptools wheel
```

```
sudo -u odoo pip3 install -r requirements.txt
sudo mkdir /var/log/odoo
sudo chown odoo:root /var/log/odoo
cat <<'EOF' >> /etc/odoo.conf
[options]
db_host = 192.168.122.14
db_port = 5432
db_user = odoo
db_password = odoo
addons_path = /opt/odoo/addons
logfile = /var/log/odoo/odoo.log
EOF
chown odoo.odoo /etc/odoo.conf
```

Start odoo:

```
sudo -u odoo /usr/bin/python3 /opt/odoo/odoo-bin -c /etc/odoo.conf
```

## Systemd

Create file /etc/systemd/system/odoo.service:

```
[Unit]
Description=odoo
After=network.target

[Service]
User=odoo
Group=odoo
ExecStart=/usr/bin/python3 /opt/odoo/odoo-bin -c /etc/odoo.conf
Restart=always

[Install]
WantedBy=multi-user.target
```

Install it:

```
systemctl daemon-reload
systemctl start odoo
systemctl enable odoo
```

## FE

```
sudo -u odoo pip3 install xmlsig
sudo -u odoo pip3 install pyOpenSSL
sudo -u odoo pip3 install jsonschema
sudo -u odoo pip3 install phonenumbers
```

```
sudo -u odoo pip3 install xlswriter
sudo -u odoo pip3 install xlrd
sudo -u odoo pip3 install xlwt
```

## Same as above but with one server

```
sudo apt update
sudo apt upgrade -y
sudo apt -y install python3-pip sudo
sudo useradd odoo
sudo mkdir /home/odoo
sudo chown odoo.odoo /home/odoo/
cat <<'EOF' >> /etc/odoo.conf
[options]
addons_path = /opt/odoo/addons
logfile = /var/log/odoo/odoo.log
EOF
chown odoo.odoo /etc/odoo.conf
sudo apt install -y postgresql postgresql-client
wget
https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.5/wkhtmlto
x_0.12.5-1.buster_amd64.deb
sudo dpkg -i wkhtmltox_0.12.5-1.buster_amd64.deb
sudo apt -f install -y
sudo apt -y install python3-dev libxml2-dev libxslt1-dev libldap2-dev
libsasl2-dev git python3-dev libpq-dev
sudo git clone --depth 1 --branch 12.0 https://www.github.com/odoo/odoo.git
/opt/odoo
sudo chown -R odoo.odoo /opt/odoo/
cd /opt/odoo
sudo -u odoo pip3 install setuptools wheel
sudo -u odoo pip3 install -r requirements.txt
sudo mkdir /var/log/odoo
sudo chown odoo:root /var/log/odoo
sudo -u odoo pip3 install xmlsig
sudo -u odoo pip3 install pyOpenSSL
sudo -u odoo pip3 install jsonschema
sudo -u odoo pip3 install phonenumbers
sudo -u odoo pip3 install xlswriter
sudo -u odoo pip3 install xlrd
sudo -u odoo pip3 install xlwt
sudo -u odoo pip3 install zeep
sudo -u postgres createuser --createdb --username postgres --no-createrole -
-no-superuser odoo
sudo -u postgres psql -c '\x' -c 'ALTER USER odoo WITH SUPERUSER'
sudo -u postgres psql -c '\x' -c "ALTER USER odoo WITH PASSWORD 'odoo';"
cat <<'EOF' >> /etc/systemd/system/odoo.service
[Unit]
Description=odoo
After=network.target
```

```
[Service]
User=odoo
Group=odoo
ExecStart=/usr/bin/python3 /opt/odoo/odoo-bin -c /etc/odoo.conf
Restart=always

[Install]
WantedBy=multi-user.target
EOF
systemctl daemon-reload
systemctl start odoo
systemctl enable odoo
```

## Resources

- <https://www.odoo.com/documentation/13.0/setup/install.html#id7>
- <https://www.howtoforge.com/tutorial/install-odoo-erp-software-on-ubuntu-15-04/>
- <https://www.odoo.yenthevg.com/installing-odoo-different-servers/>
- <https://www.cybrosys.com/blog/install-odoo-13-on-ubuntu-18-04>

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