

Install Odoo 14 on FreeBSD 12.2

12/08/2020 11:54 PM - Daniel Curtis

Status:	Closed	Start date:	12/08/2020
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Accounting Server	Estimated time:	0.00 hour
Target version:	FreeBSD 12	Spent time:	0.00 hour

Description

This is a guide on setting up Odoo 14 on FreeBSD 12.2-RELEASE.

Prepare the Environment

- Make sure the system is up to date:

```
pkg update && pkg upgrade
```

- Add the Odoo user

```
pw add user -n odoo -m -s /bin/sh -c "Odoo"
```

- Install the dependencies using pkgng:

```
pkg install py37-pip py37-Jinja2 py37-libxml2 py37-xlwt py37-pytz py37-psycopg2 py37-pydot py37-lxml py37-yaml py37-mako py37-dateutil py37-reportlab py37-werkzeug py37-vobject py37-vatnum ber py37-unittest2 py37-simplejson py37-requests py37-qrcode py37-pyusb py37-python-openid py37-ldap py37-pdf py37-pyparsing py37-psycogreen py37-psycopg2 py37-psutil py37-pillow py37-passlib py37-mock py37-gevent py37-feedparser py37-decorator py37-docutils git wkhtmltopdf node npm openldap-sasl-client
```

Install PostgreSQL 9.6

- Install PostgreSQL:

```
pkg install postgresql96-{server,client}
```

- Enable PostgreSQL at boot:

```
sysrc 'postgresql_enable=YES'
```

- Initialize the database:

```
service postgresql initdb
```

- Start PostgreSQL:

```
service postgresql start
```

- Edit the postgres config file:

```
vi /var/db/postgres/data96/postgresql.conf
```

- And modify the following:

```
listen_addresses = '*'
```

- Edit the pg_hba config file:

```
vi /usr/local/etc/pgsql/data/pg_hba.conf
```

- And modify the following:

```
# IPv4 connections:
host      all             all             192.168.10.0/24      md5
```

- Restart postgresql:

```
service postgresql restart
```

Create a new user and database

- Switch to the pgsq user and enter into the psql prompt:

```
su postgres
psql -d template1
```

- Create the **odoouser** user and **odoodb** database:

```
CREATE USER odoouser WITH PASSWORD 'SuperSecretPassword' CREATEDB;

CREATE DATABASE odoodb OWNER odoouser ENCODING 'UTF8';

GRANT ALL PRIVILEGES ON DATABASE "odoodb" to odoouser;
```

- Exit from the postgres user

```
\q
exit
```

- Test the connection on a remote host:

```
psql -h pg.example.com -U odoouser -W odoodb
```

Install Odoo 14

- Switch to the Odoo user folder:

```
cd /usr/local/www
```

- Clone the latest Odoo 14 code from GitHub:

```
git clone https://github.com/odoo/odoo --depth 1 --branch 14.0 --single-branch
chown -R odoo:odoo odoo
```

- Install any missing dependencies:

```
su - odoo
cd /usr/local/www/odoo
env CPPFLAGS="-I /usr/local/include -I /usr/local/include/sasl" pip install -r requirements.txt
exit
```

- Create a folder for custom addons:

```
mkdir -p /usr/local/www/odoo/custom/addons
chown -R odoo:odoo /usr/local/www/odoo/custom
```

- Create the odoo log folder:

```
touch /var/log/odoo.log
chmod 644 /var/log/odoo.log
chown -R odoo:wheel /var/log/odoo.log
```

- Create the odoo pid folder:

```
mkdir /var/run/odoo
chown odoo /var/run/odoo
```

- Create the Odoo config:

```
vi /usr/local/etc/odoo.conf
```

- And Modify the following parameters:

```
[options]
; This is the password that allows database operations:
; admin_passwd = admin
db_host = localhost
db_port = 5432
database = odoodb
db_user = odoouser
db_password = SuperSecretPassword
addons_path = /usr/local/www/odoo/addons,/usr/local/www/odoo/custom/addons
logfile = /var/log/odoo.log
log_level = error
```

- Make the odoo config owner the odoo user:

```
chown odoo /usr/local/etc/odoo.conf
```

NOTE: I had to change the `/usr/bin/env python3` to `/usr/bin/env python3.7` in `odoo-bin` for it to work correctly.

- Initialize the database:

```
su - odoo
cd /usr/local/www/odoo
./odoo-bin -i base -d odoodb --stop-after-init --db_host=localhost -r odooouser -w SuperSecretP
assword
```

- Now test run the Odoo server:

```
./odoo-bin --config=/usr/local/etc/odoo.conf
```

- Open a web browser and go to <http://odoo.example.com:8069> and go to **manage databases**.
- **Set a new master password**, the default master password is **admin**
- Go back to <http://odoo.example.com:8069> and log in, the default username is **admin** and password is **admin**

Odoo Init Script

- Create a new rc script for odoo:

```
vi /usr/local/etc/rc.d/odoo
```

- And add the following:

```
#!/bin/sh
#
# PROVIDE: odoo
# REQUIRE: postgresql LOGIN
#
# Add the following lines to /etc/rc.conf to enable odoo server
#
# odoo_enable (bool): Set to "NO" by default,
#                      Set it to "YES" to enable odoo server
#
# odoo_config (str):  The path to the odoo server configuration file
#                      (defaults to /usr/local/etc/odoo.conf)

. /etc/rc.subr

name=odoo
command=/usr/local/www/odoo/openerp-server
rcvar=odoo_enable

load_rc_config $name

odoo_enable="${odoo_enable-"NO"}"
odoo_config="${odoo_config-"/usr/local/etc/odoo.conf"}"
odoo_user="${odoo_user-"odoo"}"
odoo_pidfile="${odoo_pidfile-"/var/run/odoo/odoo.pid"}"
odoo_flags="${odoo:-"--config=${odoo_config} --pidfile=${odoo_pidfile} "}"

# /etc/rc.subr use $pidfile (not ${name}_pidfile)
pidfile="${odoo_pidfile}"

required_files="${odoo_config}"

start_cmd="su - ${odoo_user} -c '${command} ${odoo_flags}' &"
stop_cmd="${name}_stop"
```

```

status_cmd="${name}_status"
getval_cmd="${name}_getval"

odoo_stop()
{
    odoo_pid=$(pgrep -f "openerp-server")

    echo "Stopping ${name}."
    kill -s TERM "$(cat "${odoo_pidfile}")"

    echo "Stopping ${name}."
    kill -s TERM "${openerpd_pid}"
}

odoo_status()
{
    # Try its best to find the service's status
    if [ -f "${odoo_pidfile}" ]
    then
        odoo_pid="$(cat "${odoo_pidfile}")"
    fi

    if [ -z "${odoo_pid}" ]
    then
        odoo_pid=$(pgrep -f "openerp-server")
        [ -n "${odoo_pid}" ] && echo "${odoo_pid}" > "${odoo_pidfile}"
    fi

    if [ -n "${odoo_pid}" ]
    then
        echo "${name} running with pid: $odoo_pid"
    else
        echo "${name} not running? (pid not found)"
    fi
}

command_args=" >/dev/null 2>&1 &"

load_rc_config $name
run_rc_command "$1"

```

- Make the script executable:

```
chmod +x /usr/local/etc/rc.d/odoo
```

- Start and enable odoo at boot:

```
echo 'odoo_enable="YES"' >> /etc/rc.conf
service odoo start
```

Resources

- <https://github.com/odoo/odoo>

History

#1 - 12/08/2020 11:54 PM - Daniel Curtis

- Tracker changed from Bug to Support

- Status changed from New to In Progress

#2 - 12/09/2020 01:00 AM - Daniel Curtis

- *Description updated*
- *Category set to Accounting Server*
- *Assignee set to Daniel Curtis*
- *Target version set to FreeBSD 12*
- *% Done changed from 0 to 50*

#3 - 12/09/2020 01:12 AM - Daniel Curtis

- *Description updated*

#4 - 12/09/2020 03:23 PM - Daniel Curtis

- *Description updated*
- *Status changed from In Progress to Resolved*
- *% Done changed from 50 to 100*

#5 - 02/18/2022 08:07 PM - Daniel Curtis

- *Status changed from Resolved to Closed*