

FreeBSD Administration - Support #607

Install Odoo 8 on FreeBSD

04/28/2015 02:17 PM - Daniel Curtis

Status:	Closed	Start date:	04/28/2015
Priority:	Normal	Due date:	
Assignee:	Daniel Curtis	% Done:	100%
Category:	Accounting Server	Estimated time:	3.00 hours
Target version:	FreeBSD 9	Spent time:	8.00 hours

Description

This is a guide for install OpenERP 8, Odoo, on FreeBSD 9. The Odoo installer supports FreeBSD, so all that needs to be done is install a few dependencies and run the installer.

Setting up the Environment

- Start by making sure everything is up to date:

```
pkg update && pkg upgrade
portsnap fetch extract
```

- Install portmaster:

```
cd /usr/ports/ports-mgmt/portmaster
make install clean
pkg2ng
```

- Install dependencies from ports

```
portmaster textproc/py-libxml2 textproc/py-xlwt devel/py-pytz lang/py-mx-base databases/py-psycopg2 graphics/py-chart graphics/py-pydot textproc/py-libxslt devel/py-lxml textproc/py-xml devel/py-yaml textproc/py-mako devel/py-dateutil print/py-reportlab www/py-werkzeug deskutils/py-vobject finance/py-vatnumber devel/py-unittest2 devel/py-simplejson www/py-requests textproc/py-qrcode devel/py-usb security/py-openid net/py-ldap2 comms/py-serial print/py-pdf devel/py-parsing databases/py-psycogreen databases/py-psycopg2 sysutils/py-psutil graphics/py-pillow security/py-passlib devel/py-mock devel/py-gevent textproc/py-feedparser devel/py-decorator converters/wkhtmltopdf x11-fonts/webfonts
```

- **NOTE:** I came across a problem with a pyparsing version preventing the setup.py script to work properly. I found that I needed to uninstall devel/py-pyparsing and replace it with devel/py-pyparsing15:

```
cd /usr/ports/devel/py-parsing
make deinstall clean
portmaster devel/py-pyparsing15
```

- (Optional) Install the dependencies using pkgng:

```
pkg install py27-libxml2 py27-xlwt py27-pytz py27-mx-base py27-psycopg2 py27-chart py27-pydot py27-libxslt py27-lxml py27-yaml py27-mako py27-dateutil py27-reportlab py27-werkzeug py27-vobject py27-vatnumber py27-unittest2 py27-simplejson py27-requests py27-qrcode py27-usb py27-openid py27-ldap py27-serial py27-pdf py27-pyparsing py27-psycogreen py27-psycopg2 py27-psutil py27-pillow py27-passlib py27-mock py27-gevent py27-feedparser py27-decorator wkhtmltopdf
```

- Add the OpenERP user

```
pw add user -n openerpd -m -s /bin/sh -c "OpenERP"
```

Install Odoo

- Make and switch to the /usr/local/src directory:

```
mkdir /usr/local/src  
cd /usr/local/src
```

- Download the latest nightly version of Odoo:

```
fetch 'https://nightly.odoo.com/8.0/nightly/src/odoo_8.0.latest.tar.gz'  
tar xzf odoo_8.0-latest.tar.gz  
cd odoo-8.0-*
```

- Install using the setup script:

```
python2 setup.py install
```

- Set ownership of odoo to the openerpd user:

```
chown -R openerpd:wheel /usr/local/lib/python2.7/site-packages/odoo-8.0*
```

- **NOTE:** The path may need to be changed to fit the odoo path.

Configure Odoo

- Create a basic odoo config file:

```
vi /usr/local/etc/openerp-server.conf
```

- And add the following:

```
[options]  
; This is the password that allows database operations:  
; admin_passwd = admin  
db_host = pg.example.com  
db_port = 5432  
db_user = odouser  
db_password = ododb  
addons_path = /usr/local/lib/python2.7/site-packages/odoo-8.0_20150510-py2.7.egg/openerp/a  
ddons/
```

- **NOTE:** If using the nightly builds the addons_path may need to be changed to suit the path odoo was installed to.

Odoo rc script

- First make a directory for the openerpd pid

```
mkdir /var/run/openerpd  
chown openerpd /var/run/openerpd
```

- Create a new rc script for odoo:

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

- And add the following:

```
#!/bin/sh
#
# PROVIDE: openerpd
# REQUIRE: postgresql LOGIN
#
# Add the following lines to /etc/rc.conf to enable openerpd-server
#
#
# openerpd_enable (bool): Set to "NO" by default,
#                          Set it to "YES" to enable openerpd-server
#
# openerpd_config (str):  The path to the openerpd-server configuration file
#                          (defaults to /usr/local/etc/openerpd-server.conf)
#
# openerpd_flags (str):   Extra arguments to be used when invoking
#                          the openerpd-server daemon.
#
# openerpd_addons (str):  The path to the openerpd addons.
#
# Patch submitted by (c) Franck Porcher, Ph.D, to fix some issues regarding
# pidfile, log files, and discrepancies with the main configuration file.

. /etc/rc.subr

name=openerpd
command=/usr/local/bin/openerpd-server
rcvar=openerpd_enable

load_rc_config $name

openerpd_enable="${openerpd_enable-"NO"}"
openerpd_config="${openerpd_config-"/usr/local/etc/openerpd-server.conf"}"
openerpd_user="${openerpd_user-"openerpd"}"
openerpd_pidfile="${openerpd_pidfile-"/var/run/openerpd/openerpd.pid"}"
openerpd_logdir="${openerpd_logdir-"/var/log/openerpd.log"}"
openerpd_flags="${openerpd_flags-"--config=${openerpd_config} --pidfile=${openerpd_pidfile} --logfile=${openerpd_logdir}"}"

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

required_files="${openerpd_config}"

start_cmd="su - ${openerpd_user} -c '${command} ${openerpd_flags}' &"
stop_cmd="${name}_stop"
status_cmd="${name}_status"
getval_cmd="${name}_getval"

openerpd_stop()
{
    openerpd_pid=$(pgrep -f "openerpd-server")

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

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

```
openerpd_status()
{
    # Try its best to find the service's status
    if [ -f "${openerpd_pidfile}" ]
    then
        openerpd_pid="$(cat "${openerpd_pidfile}")"
    fi

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

    if [ -n "${openerpd_pid}" ]
    then
        echo "${name} running with pid: $openerpd_pid"
    else
        echo "${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/openerpd
```

- Start and enable odoo at boot:

```
echo 'openerpd_enable="YES"' >> /etc/rc.conf
service openerpd start
```

- **NOTE:** If the server does not start, try to start it manually and look for any output:

```
su -m openerpd -c 'sh -c "/usr/local/bin/openerp-server --config=/usr/local/etc/openerp-server.conf"'
```

- Now navigate to <http://odoo.example.com:8069> to complete the installation process.

(Optional) Install Odoo from GitHub

- Add the OpenERP user

```
pw add user -n openerpd -m -s /bin/sh -c "OpenERP"
```

- Remove openldap-client and py27-ldap:

```
pkg remove openldap-client py27-ldap
```

- Reinstall py27-ldap from ports, enabling **[X] SASL**

```
portmaster net/py-ldap
```

- Enable **[X] GSSAPI** in the openldap-client port.

- Install pip:

```
pkg install py27-pip
```

- Make and switch to the /usr/local/src directory:

```
mkdir /usr/local/src  
cd /usr/local/src
```

- Download Odoo from GitHub:

```
git clone -b 8.0 https://www.github.com/odoo/odoo  
cd odoo
```

- Install the odoo dependencies using pip:

```
pip install -r requirements.txt
```

- Now install odoo:
python2 setup.py install

- Next copy the addons from the git repo to the install directory:

```
cp -r /usr/local/src/odoo/addons/* /usr/local/lib/python2.7/site-packages/odoo-8.0-py2.7.egg/openerp/addons/
```

- Set ownership of odoo to the openerp user:

```
chown -R openerp:wheel /usr/local/lib/python2.7/site-packages/odoo-8.0*
```

- **NOTE:** The path may need to be changed to fit the odoo path.

Configure Odoo

- Create a basic odoo config file:

```
vi /usr/local/etc/openerp-server.conf
```

- And add the following:

```
[options]  
; This is the password that allows database operations:  
; admin_passwd = admin  
db_host = pg.example.com  
db_port = 5432  
db_user = odoouser  
db_password = odoodb  
addons_path = /usr/local/lib/python2.7/site-packages/odoo-8.0-py2.7.egg/openerp/addons/
```

- **NOTE:** If using the nightly builds the addons_path may need to be changed to suit the path odoo was installed to.

Odoo rc script

- First make a directory for the openerpd pid

```
mkdir /var/run/openerpd
chown openerpd /var/run/openerpd
```

- Create a new rc script for odoo:

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

- And add the following:

```
#!/bin/sh
#
# PROVIDE: openerpd
# REQUIRE: postgresql LOGIN
#
# Add the following lines to /etc/rc.conf to enable openerpd-server
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#
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#                          Set it to "YES" to enable openerpd-server
#
# openerpd_config (str):  The path to the openerpd-server configuration file
#                          (defaults to /usr/local/etc/openerpd-server.conf)
#
# openerpd_flags (str):   Extra arguments to be used when invoking
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# Patch submitted by (c) Franck Porcher, Ph.D, to fix some issues regarding
# pidfile, log files, and discrepancies with the main configuration file.

. /etc/rc.subr

name=openerpd
command=/usr/local/bin/openerpd-server
rcvar=openerpd_enable

load_rc_config $name

openerpd_enable="${openerpd_enable-"NO"}"
openerpd_config="${openerpd_config-"/usr/local/etc/openerpd-server.conf"}"
openerpd_user="${openerpd_user-"openerpd"}"
openerpd_pidfile="${openerpd_pidfile-"/var/run/openerpd/openerpd.pid"}"
openerpd_logdir="${openerpd_logdir-"/var/log/openerpd.log"}"
openerpd_flags="${openerpd_flags:--config=${openerpd_config} --pidfile=${openerpd_pidfile} --logfile=${openerpd_logdir} }"

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

required_files="${openerpd_config}"

start_cmd="su - ${openerpd_user} -c '${command} ${openerpd_flags}' &"
stop_cmd="${name}_stop"
status_cmd="${name}_status"
getval_cmd="${name}_getval"

openerpd_stop()
{
```

```

openerpd_pid=$(pgrep -f "openerp-server")

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

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

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

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

    if [ -n "${openerpd_pid}" ]
    then
        echo "${name} running with pid: $openerpd_pid"
    else
        echo "${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/openerpd
```

- Start and enable odoo at boot:

```
echo 'openerpd_enable="YES"' >> /etc/rc.conf
service openerpd start
```

- **NOTE:** If the server does not start, try to start it manually and look for any output:

```
su -m openerpd -c 'sh -c "/usr/local/bin/openerp-server --config=/usr/local/etc/openerp-server.conf"
```

Creating a Dummy Theme

- Install less from NPM:

```
npm install -g less less-plugin-clean-css
```

- Fetch odoo.py from GitHub:

```
cd /usr/local/lib/python2.7/site-packages/odoo-8.0_20150510-py2.7.egg/openerp/  
wget -O odoo.py https://raw.githubusercontent.com/odoo/odoo/8.0/odoo.py
```

- Create a new scaffold theme:

```
python2 odoo.py scaffold -t theme "New Theme" addons
```

- Restart Odoo:

```
service openerpd restart
```

- Now go to Settings and install the new theme
h2. Resources

- <http://zewaren.net/site/?q=node/127>
- <https://github.com/odoo/odoo>
- <https://www.odoo.com/documentation/8.0/setup/install.html>
- <https://github.com/odoo/odoo/issues/4604>

History

#1 - 04/28/2015 02:32 PM - Daniel Curtis

- Description updated
- Status changed from New to In Progress

#2 - 05/06/2015 08:07 PM - Daniel Curtis

- Description updated
- % Done changed from 0 to 40

#3 - 05/06/2015 10:10 PM - Daniel Curtis

- Description updated
- % Done changed from 40 to 50

#4 - 05/06/2015 10:45 PM - Daniel Curtis

- Description updated

#5 - 05/07/2015 07:50 AM - Daniel Curtis

- Description updated
- % Done changed from 50 to 60

#6 - 05/07/2015 10:45 AM - Daniel Curtis

- Description updated
- % Done changed from 60 to 70

#7 - 05/07/2015 11:20 AM - Daniel Curtis

- Description updated

#8 - 05/07/2015 11:39 AM - Daniel Curtis

- Description updated
- % Done changed from 70 to 80

#9 - 05/07/2015 05:12 PM - Daniel Curtis

- Description updated

#10 - 05/07/2015 08:34 PM - Daniel Curtis

- Description updated

- % Done changed from 80 to 90

#11 - 05/08/2015 07:10 AM - Daniel Curtis

- Description updated

#12 - 05/08/2015 07:26 AM - Daniel Curtis

- Description updated

#13 - 05/08/2015 07:33 AM - Daniel Curtis

- Description updated

#14 - 05/08/2015 07:45 AM - Daniel Curtis

- Description updated

#15 - 05/08/2015 08:10 AM - Daniel Curtis

- Estimated time changed from 5.00 h to 3.00 h

#16 - 05/08/2015 02:22 PM - Daniel Curtis

- Description updated

#17 - 05/08/2015 04:49 PM - Daniel Curtis

- Description updated

#18 - 05/09/2015 08:33 PM - Daniel Curtis

- Description updated

#19 - 05/09/2015 08:53 PM - Daniel Curtis

- Description updated

#20 - 05/09/2015 09:53 PM - Daniel Curtis

- Description updated

- % Done changed from 90 to 100

#21 - 05/10/2015 08:20 AM - Daniel Curtis

- Status changed from In Progress to Resolved

#22 - 05/10/2015 09:20 AM - Daniel Curtis

- Status changed from Resolved to Closed

#23 - 07/08/2015 12:15 PM - Daniel Curtis

- Description updated

#24 - 07/15/2015 04:50 PM - Daniel Curtis

- Description updated

#25 - 07/17/2015 08:06 AM - Daniel Curtis

- Description updated

#26 - 07/17/2015 08:30 AM - Daniel Curtis

- Description updated

#27 - 07/20/2015 04:28 PM - Daniel Curtis

- Description updated

#28 - 08/03/2015 12:09 PM - Daniel Curtis

- *Description updated*

#29 - 08/03/2015 01:06 PM - Daniel Curtis

- *Description updated*

#30 - 01/12/2016 01:33 PM - Daniel Curtis

- *Subject changed from Install Odoo on FreeBSD to Install Odoo 8 on FreeBSD*

#31 - 01/12/2016 02:26 PM - Daniel Curtis

- *Description updated*