Install a OpenERP server with automatic tool xoe

By SISalp January 11, 2011 -

xoe can manage an OpenERP server on debian lenny minimal or Ubuntu server. This article discusses the automation of the process of installing the software OpenERP-server.
To install OpenERP-web software, se the section Install OpenERP-web with automatic tool xoe
For more information about using xoe, refer to xoe manual
Length of proceedings
   • 30 minutes
Difficulty: Advanced
   • Know the main shell commands,
   • Learn configure a database server,
   • know how to use vi to edit two files.
   • Using a server OpenERP with real data requires the control of the administration of Linux servers and software OpenERP.
Login as root or use sudo when indicated.

On a machine (physical or virtual) install a minimal version of debian lenny or ubuntu.
What you need there to conduct the process at the end?
 During the procedure you must have root access on the physical or virtual machine.
   1. Determine the name of the linux user that will be used to manage the server and its password. Avoid ambiguous usernames like "admin" or "openerp. We use "sisalpuser" on our servers. Repalce openerp_unix_user by the username and openerp_user_password by its password.This user will be created by xoe.
   2. Having an account on a server sending mail smtp, for example gmail Google so the server can send messages to service your account. These parameters will be necessary to set the configuration file ssmtp.
   3. Have an email address to receive these messages. We use gmail accounts on our servers.
   4. Know the network address of your server you can get by the command "ifconfig". In the case of a virtual server, it is the address of the virtual server and not the address of the host.
   5. Choose a unique service name for each service openerp we took production and subsequently postgresql roles, we've set out pg-production .
   6. Choose a password called "super administrator" to create, preserve, restore and delete databases or ABOPASSWD1 ABOPASSWD2 and thereafter
   7. Finally, two examples of servers are given, but you should decide which version of the software you want to use and the ports that you forward through the firewall, here versions 6.02 and the latest available revision of 6.0 and ports 8071, 8072, 8073 and 8074.

Step One: Establish the landscape

install xoe
as root

```
cd /usr/local/bin
wget http://download.sisalp.net/xoe
chmod 755 xoe
```

check the proper functioning of xoe with some basic commands

```
xoe --update
xoe --version
xoe --help
```

Updates, dependencies, configuration utilities and environment

```
xoe --install -server openerp_unix_user openerp_user_password
xoe --install -etiny openerp_unix_user openerp_user_password
xoe --verbose -blabla
```

xoe processes all the operations of installing dependencies and creates the user openerp_unix_user

Setting additional server environment

adapt the file / etc / ssmtp to send mails, you can use any other editor of course

```
vi /etc/ssmtp
```

From now on, leave root and change user to openerp_unix_user

```
su openerp_unix_user
crontab -l
```

Adapt the basic configuration of xoe

```
xoe --config -edit
```

Attention in this file separators are tab-and not spaces
Important parameters are:

```
openerp_address:                    10.0.0.100
```

put the real address of the server obtained by the ifconfig command,

```
admin_mail:                         admin.openerp@domaine.ext
shop_mail:                          -
```

your email address to receive reports from the server

```
:wq
```

save and exit the configuration file

Step Two: Declare a server OpenERP and prepare to install automatically

We must now define a first server OpenERP by choosing a name
You can re-edit the configuration file or use xoe
To add a server called OpenERP production using the code of version 6.0.2

```
xoe --config -new -directory -server production wget http://download.sisalp.net/openerp-
server-6.0.2.tar.gz server
xoe --config -new -service production Auto pg-production server/bin/openerp-server.py http
8070 8071 ABOPASSWD1
xoe --config -new -database production pro save
```

to create a database with this server you will need to know the password ABOPASSWD1.
A database whose name begins with letters pro is automatically saved by the crontab or at openerp server shutdown

To add a second server called test using the version Bazaar last night

```
xoe --config -new -directory -server test wget http://download.sisalp.net/openerp-server-
6.0.uptodate.tar.gz
xoe --config -new -directory -addons test wget http://download.sisalp.net/openerp-addons-
6.0.uptodate.tar.gz
```

for our servers we adapt this code automatically at download time, so you may add :

```
xoe --config -new -directory -specific test wget http://download.sisalp.net/openerp-specific-
6.0.uptodate.tar.gz
```

then declare the service itself :

```
xoe --config -new -service test Auto pg-test server/bin/openerp-server.py http 8072 8073
ABOPASSWD2
```

To control the parameters generated by these commands

```
xoe --config -noblabla
```

To edit the configuration file

```
xoe --config -edit
```

To get an example of a configuration file

```
xoe --config -example
```

Configuration is done. Download the openerp code

```
xoe --directory -download production
xoe --directory -download test
```

You can skip the download directory openerp-specific-6.0.uptodate.tar.gz whose role is to defer the specificities of the server, but in this case do not forget to copy the contents of

```
        cp -r /home/openerp_unix_user/openerp/test/addons/*
/home/openerp_unix_user/openerp/test/server/bin/addons/
```

Step Three: Start the server and monitor its operation

Create roles postgresql with root privileges (sudo or su)

```
        xoe --database -createuser pg-production
```

Then it starts all servers OpenERP reported
Back in the unix user

```
        xoe --start
```

Control

```
        xoe --watch -running
        xoe --status
```

Troubleshooter

```
        xoe --live production
        xoe --log test
```

Notes

mode secure / unsecure
   • unsecure mode means that the unix user defined initially starts openerp different servers. They are not trapped in the space of a specific user. The common unix user does not need to access root rights. Therefore root to create the role pg-production by the command

```
        su root
        xoe -- database -createuser pg-production
```

   • secure mode means that each server is started with a openerp linux user specific and can not go and see what happens with his neighbor. In this case, the common unix user is given the opportunity to perform administration tasks with sudo.the creation of the role becomes

```
        sudo xoe --database -createuser pg-production
```

xoe command syntax

Commands and options can be abbreviated if they do not become ambiguous. For example
```
        xoe --verb -bl
```
is equivalent to
```
        xoe --verbose -blabla
```

Step Four: Declare an openerp-web and prepare to install automatically

You can re-edit the configuration file or use xoe.
To add a openerp-web code directory called webfor6 using the code of version 6.0.2

```
        xoe --config -new -directory -etiny webfor6 wget http://download.sisalp.net/openerp-web-
6.0.2.tar.gz client-web
```

To add a first openerp-web service called test using the code webfor6

```
        xoe --config -new -etiny production webfor6/client-web/bin/openerp-web.py 8081 socket
production.domain.ext 10.0.0.100 8070
```

To add a second openerp-web service called test using the same code

```
        xoe --config -new -etiny test webfor6/client-web/bin/openerp-web.py 8082 socket
test.domain.ext 10.0.0.100 8072
```

Download the code of client-web OpenERP reported

```
        xoe --directory -download -etiny webfor6
```

Then it starts all openerp-web reported

```
xoe --etiny -start
```

Troubleshooter

```
xoe --etiny -log
xoe --etiny -live
```

This article must be checked and corrected.