

Activitat 301 Instal·lació d'Odoo 11

OBJECTIU DE L'ACTIVITAT

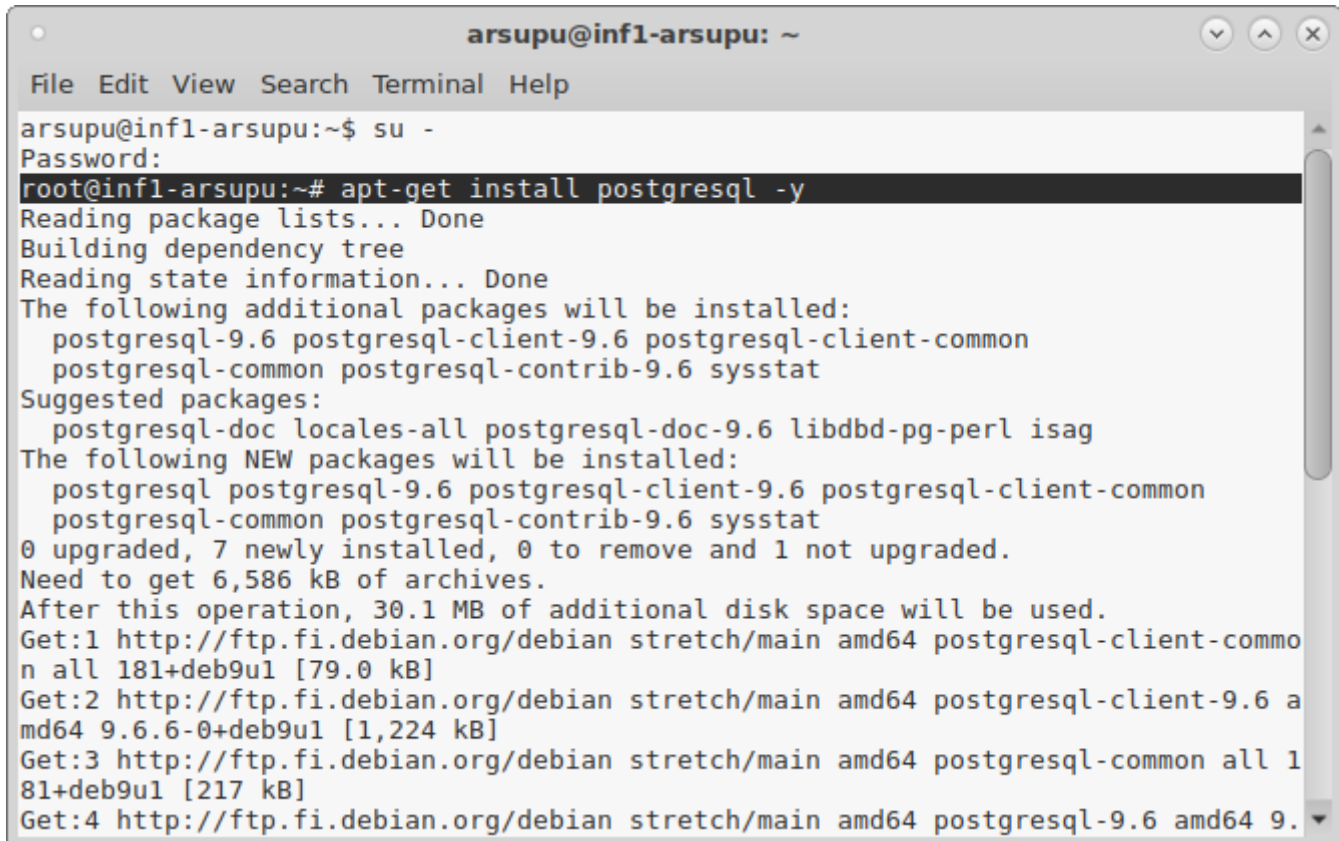
Conèixer els requeriments tècnics per a la instal·lació i funcionament òptim d'un sistema ERP.

PROCEDIMENT

Instal·lació d'un sistema ERP i tot el programari de suport (llenguatge, base de dades, servidor, ...) que permeti el funcionament del sistema en local. Durant tot el procés cal fer les anotacions i captures de pantalla necessàries per a la seva documentació.

En la meua màquina virtual amb el sistema operatiu Debian obro el terminal com a root user per començar l'instal·lació.

1. Instal·lo la base de dades postgresql : apt-get install postgresql -y



```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
arsupu@inf1-arsupu:~$ su -  
Password:  
root@inf1-arsupu:~# apt-get install postgresql -y  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  postgresql-9.6 postgresql-client-9.6 postgresql-client-common  
  postgresql-common postgresql-contrib-9.6 sysstat  
Suggested packages:  
  postgresql-doc locales-all postgresql-doc-9.6 libdbd-pg-perl isag  
The following NEW packages will be installed:  
  postgresql postgresql-9.6 postgresql-client-9.6 postgresql-client-common  
  postgresql-common postgresql-contrib-9.6 sysstat  
0 upgraded, 7 newly installed, 0 to remove and 1 not upgraded.  
Need to get 6,586 kB of archives.  
After this operation, 30.1 MB of additional disk space will be used.  
Get:1 http://ftp.fi.debian.org/debian stretch/main amd64 postgresql-client-commo  
n all 181+deb9u1 [79.0 kB]  
Get:2 http://ftp.fi.debian.org/debian stretch/main amd64 postgresql-client-9.6 a  
md64 9.6.6-0+deb9u1 [1,224 kB]  
Get:3 http://ftp.fi.debian.org/debian stretch/main amd64 postgresql-common all 1  
81+deb9u1 [217 kB]  
Get:4 http://ftp.fi.debian.org/debian stretch/main amd64 postgresql-9.6 amd64 9.
```

2. Instal. lo la Odoo 11

- `wget -O - https://nightly.odoo.com/odoo.key | apt-key add -`
- `echo "deb http://nightly.odoo.com/11.0/nightly/deb/ ." >> /etc/apt/sources.list.d/odoo.list`
- `apt-get update && apt-get install odoo`
- `apt-get update`

```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
root@inf1-arsupu:~# wget -O - https://nightly.odoo.com/odoo.key | apt-key add -  
--2017-12-13 13:44:18-- https://nightly.odoo.com/odoo.key  
Resolving nightly.odoo.com (nightly.odoo.com)... 178.33.123.40  
Connecting to nightly.odoo.com (nightly.odoo.com)|178.33.123.40|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 3112 (3.0K) [application/octet-stream]  
Saving to: 'STDOUT'  
  
- 100%[=====] 3.04K --.-KB/s in 0s  
2017-12-13 13:44:18 (163 MB/s) - written to stdout [3112/3112]  
OK  
root@inf1-arsupu:~#
```

```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
root@inf1-arsupu:~# echo "deb http://nightly.odoo.com/11.0/nightly/deb/ ." >> /etc/apt/sources.list.d/odoo.list  
root@inf1-arsupu:~# apt-get update && apt-get install odoo  
Hit:1 http://security.debian.org/debian-security stretch/updates InRelease  
Ign:2 http://ftp.fi.debian.org/debian stretch InRelease  
Ign:3 http://nightly.odoo.com/11.0/nightly/deb ./ InRelease  
Get:4 http://nightly.odoo.com/11.0/nightly/deb ./ Release [1,186 B]  
Hit:5 http://ftp.fi.debian.org/debian stretch-updates InRelease  
Get:6 http://nightly.odoo.com/11.0/nightly/deb ./ Release.gpg [819 B]  
Hit:7 http://ftp.fi.debian.org/debian stretch Release  
Get:8 http://nightly.odoo.com/11.0/nightly/deb ./ Packages [1,869 B]  
Fetched 3,874 B in 0s (5,670 B/s)  
Reading package lists... Done  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
docutils-common graphviz javascript-common libann0 libcdt5 libcg6 libgts-0.7-5 libgts-bin  
libgvc6 libgvpr2 libjs-jquery libpathplan4 libuv1 libxdot4 node-amdefine node-less  
node-source-map nodejs python-babel-localedata python3-babel python3-bs4 python3-cffi-backend  
python3-cryptography python3-dateutil python3-decorator python3-docutils python3-feedparser  
python3-gevent python3-greenlet python3-html2text python3-html5lib python3-idna python3-jinja2  
python3-lxml python3-mock python3-ofxparse python3-openssl python3-passlib python3-pbr  
python3-psutil python3-psycopg2 python3-pyasn1 python3-pydot python3-pygments python3-pyinotify
```

```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
n/rst2odt_prepstyles (rst2odt_prepstyles) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python3/rst2pseudoxml to provide /usr/bin/rst
2pseudoxml (rst2pseudoxml) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python3/rst2s5 to provide /usr/bin/rst2s5 (rs
t2s5) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python3/rst2xetex to provide /usr/bin/rst2xet
ex (rst2xetex) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python3/rst2xml to provide /usr/bin/rst2xml (
rst2xml) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python3/rstpep2html to provide /usr/bin/rstpe
p2html (rstpep2html) in auto mode
Setting up python3-openssl (16.2.0-1) ...
Setting up python3-vobject (0.9.3-3) ...
Setting up node-amdefine (0.1.0-1) ...
Setting up graphviz (2.38.0-17) ...
Setting up node-source-map (0.5.6+dfsg-1) ...
Setting up python3-pydot (1.0.28-2) ...
Setting up odoo (11.0.20171213) ...
Created symlink /etc/systemd/system/multi-user.target.wants/odoo.service → /lib/systemd/system/odoo.
service.
Processing triggers for libc-bin (2.24-11+deb9u1) ...
Processing triggers for menu (2.1.47+b1) ...
Processing triggers for systemd (232-25+deb9u1) ...
root@inf1-arsupu:~#
```

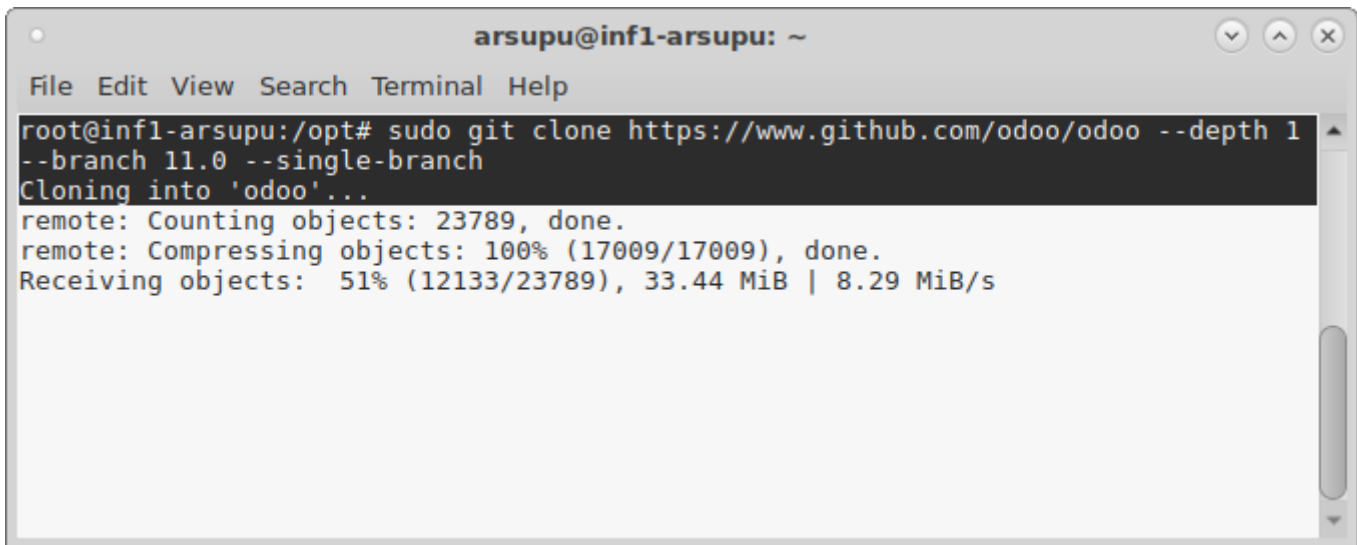
```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
root@inf1-arsupu:~# apt-get update
Hit:1 http://security.debian.org/debian-security stretch/updates InRelease
Ign:2 http://nightly.odoo.com/11.0/nightly/deb ./ InRelease
Hit:3 http://nightly.odoo.com/11.0/nightly/deb ./ Release
Ign:4 http://ftp.fi.debian.org/debian stretch InRelease
Hit:5 http://ftp.fi.debian.org/debian stretch-updates InRelease
Hit:6 http://ftp.fi.debian.org/debian stretch Release
Reading package lists... Done
root@inf1-arsupu:~#
```

3. Creo la carpeta odoo en path següent : /opt

- com que està dins d'un directori del sistema, i qui la creat es el root user l'hi haig de donar permisos al meu usuari habitual (en el meu cas, arsupu)

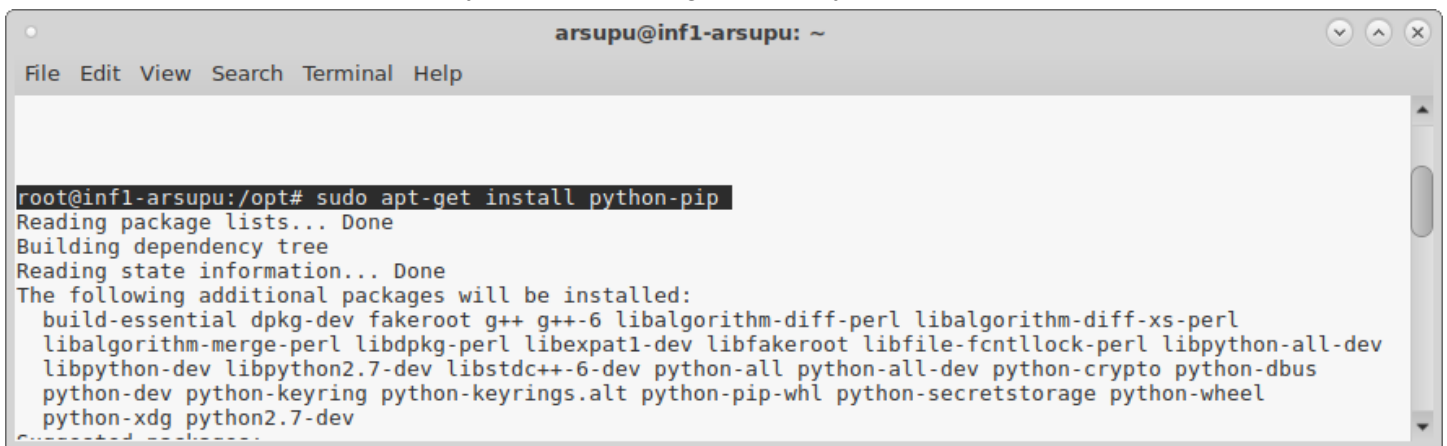
```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
root@inf1-arsupu:/etc/apt# cd /opt
root@inf1-arsupu:/opt# mkdir odoo
root@inf1-arsupu:/opt# ls -ls odoo
total 0
root@inf1-arsupu:/opt# ls -lsd odoo
4 drwxr-xr-x 2 root root 4096 Dec 13 13:57 odoo
root@inf1-arsupu:/opt# sudo chown arsupu.arsupu * -R odoo
root@inf1-arsupu:/opt# ls -lsd odoo
4 drwxr-xr-x 2 arsupu arsupu 4096 Dec 13 13:57 odoo
root@inf1-arsupu:/opt#
```

4. `sudo git clone https://www.github.com/odoo/odoo --depth 1 --branch 11.0 --single-branch`



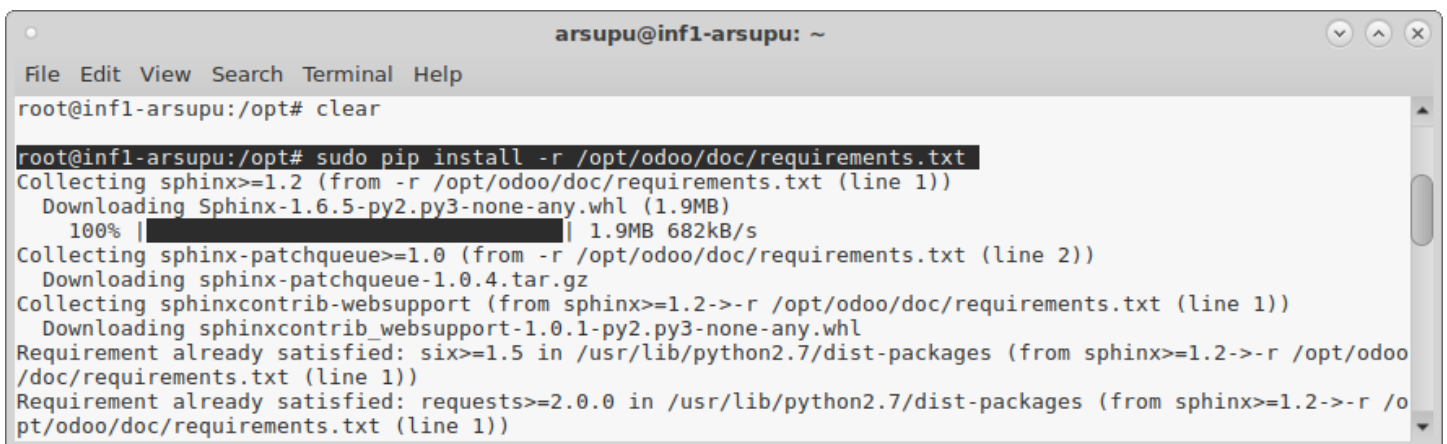
```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
root@inf1-arsupu:/opt# sudo git clone https://www.github.com/odoo/odoo --depth 1 --branch 11.0 --single-branch  
Cloning into 'odoo'...  
remote: Counting objects: 23789, done.  
remote: Compressing objects: 100% (17009/17009), done.  
Receiving objects: 51% (12133/23789), 33.44 MiB | 8.29 MiB/s
```

5. Instal.lo dependencias de Python : `sudo apt-get install python-pip`



```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
root@inf1-arsupu:/opt# sudo apt-get install python-pip  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  build-essential dpkg-dev fakeroot g++ g++-6 libalgorithm-diff-perl libalgorithm-diff-xs-perl  
  libalgorithm-merge-perl libdpkg-perl libexpat1-dev libfakeroot libfile-fcntllock-perl libpython-all-dev  
  libpython-dev libpython2.7-dev libstdc++-6-dev python-all python-all-dev python-crypto python-dbus  
  python-dev python-keyring python-keyrings.alt python-pip-whl python-secretstorage python-wheel  
  python-xdg python2.7-dev  
.....
```

6. `sudo pip install -r /opt/odoo/doc/requirements.txt`



```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
root@inf1-arsupu:/opt# clear  
root@inf1-arsupu:/opt# sudo pip install -r /opt/odoo/doc/requirements.txt  
Collecting sphinx>=1.2 (from -r /opt/odoo/doc/requirements.txt (line 1))  
  Downloading Sphinx-1.6.5-py2.py3-none-any.whl (1.9MB)  
    100% |████████████████████| 1.9MB 682kB/s  
Collecting sphinx-patchqueue>=1.0 (from -r /opt/odoo/doc/requirements.txt (line 2))  
  Downloading sphinx-patchqueue-1.0.4.tar.gz  
Collecting sphinxcontrib-websupport (from sphinx>=1.2->-r /opt/odoo/doc/requirements.txt (line 1))  
  Downloading sphinxcontrib_websupport-1.0.1-py2.py3-none-any.whl  
Requirement already satisfied: six>=1.5 in /usr/lib/python2.7/dist-packages (from sphinx>=1.2->-r /opt/odoo/doc/requirements.txt (line 1))  
Requirement already satisfied: requests>=2.0.0 in /usr/lib/python2.7/dist-packages (from sphinx>=1.2->-r /opt/odoo/doc/requirements.txt (line 1))
```

7. Instal·lo manualment dependències de Python (1 per 1) que no s'han instal·lat para el funcionament de Odoo.

- aptitude install subversion
- aptitude install libxml2-dev
- aptitude install libxslt1-dev
- aptitude install libevent-dev
- aptitude install libsasl2-dev
- aptitude install pkg-config
- aptitude install libtiff5-dev
- aptitude install libfreetype6-dev
- aptitude install liblcms2-dev
- aptitude install libwebp-dev
- aptitude install tcl8.6-dev
- aptitude install tk8.6-dev
- aptitude install python-tk
- aptitude install libyaml-dev
- aptitude install gdebi-core
- aptitude install python-dateutil
- aptitude install python-feedparser
- aptitude install python-ldap
- aptitude install python-libxslt1
- aptitude install python-mako
- aptitude install python-openid
- aptitude install python-psycopg2
- aptitude install python-pychart
- aptitude install python-pydot
- aptitude install python-reportlab
- aptitude install python-tz
- aptitude install python-vatnumber
- aptitude install python-vobject
- aptitude install python-webdav
- aptitude install python-werkzeug
- aptitude install python-xlwt
- aptitude install python-yaml
- aptitude install python-zsi
- aptitude install python-docutils
- aptitude install python-psutil
- aptitude install python-mock
- aptitude install python-unittest2
- aptitude install python-jinja2
- aptitude install python-decorator
- aptitude install python-passlib


```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
python-setuptools is already installed at the requested version (33.1.1-1)  
python-setuptools is already installed at the requested version (33.1.1-1)  
No packages will be installed, upgraded, or removed.  
0 packages upgraded, 0 newly installed, 0 to remove and 1 not upgraded.  
Need to get 0 B of archives. After unpacking 0 B will be used.  
  
root@inf1-arsupu:/opt/odoo# aptitude install libxml2-dev  
The following NEW packages will be installed:  
  icu-devtools{a} libicu-dev{a} libxml2-dev  
0 packages upgraded, 3 newly installed, 0 to remove and 1 not upgraded.  
Need to get 17.5 MB of archives. After unpacking 96.7 MB will be used.  
Do you want to continue? [Y/n/q] y
```

```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
  
root@inf1-arsupu:/opt/odoo# aptitude install python-pil  
python-pil is already installed at the requested version (4.0.0-4)  
python-pil is already installed at the requested version (4.0.0-4)  
No packages will be installed, upgraded, or removed.  
0 packages upgraded, 0 newly installed, 0 to remove and 1 not upgraded.  
Need to get 0 B of archives. After unpacking 0 B will be used.  
  
root@inf1-arsupu:/opt/odoo# sudo pip install -r /opt/odoo/requirements.txt  
Requirement already satisfied: Babel==2.3.4 in /usr/local/lib/python2.7/dist-packages (from -r /opt/odoo/requirements.txt (line 1))  
Requirement already satisfied: decorator==4.0.10 in /usr/local/lib/python2.7/dist-packages (from -r /opt/odoo/requirements.txt (line 2))  
Requirement already satisfied: docutils==0.12 in /usr/local/lib/python2.7/dist-packages (from -r /opt/odoo/requirements.txt (line 3))  
Collecting ebaysdk==2.1.5 (from -r /opt/odoo/requirements.txt (line 4))  
Collecting feedparser==5.2.1 (from -r /opt/odoo/requirements.txt (line 5))  
Collecting gevent==1.1.2 (from -r /opt/odoo/requirements.txt (line 6))  
  Using cached gevent-1.1.2-cp27-cp27mu-manylinux1_x86_64.whl  
Collecting greenlet==0.4.10 (from -r /opt/odoo/requirements.txt (line 7))  
  Using cached greenlet-0.4.10-cp27-cp27mu-manylinux1_x86_64.whl  
Collecting html2text==2016.9.19 (from -r /opt/odoo/requirements.txt (line 8))  
Collecting Jinja2==2.8 (from -r /opt/odoo/requirements.txt (line 9))  
  Using cached Jinja2-2.8-py2.py3-none-any.whl  
Collecting lxml==3.5.0 (from -r /opt/odoo/requirements.txt (line 10))
```

8. Accedeixo al usuari postgres i creo el usuari odoo.

- -sudo su postgres
- createuser -s -P -e odoo
- psql template1
- alter role odoo with password 'odoo';
- psql \q

```
arsupu@inf1-arsupu: ~  
File Edit View Search Terminal Help  
root@inf1-arsupu:/opt/odoo# sudo su postgres  
postgres@inf1-arsupu:/opt/odoo$ createuser -s -P -e odoo  
Enter password for new role:  
Enter it again:  
CREATE ROLE odoo PASSWORD 'md5039b285724b3f3f29799d6d39a22fb2d' SUPERUSER CREATE  
DB CREATEROLE INHERIT LOGIN;  
createuser: creation of new role failed: ERROR:  role "odoo" already exists  
postgres@inf1-arsupu:/opt/odoo$
```

```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
postgres@inf1-arsupu:/opt/odoo$ psql template1
psql (9.6.6)
Type "help" for help.

template1=# alter role odoo with password 'odoo';
ALTER ROLE
template1=# psql \q
postgres@inf1-arsupu:/opt/odoo$
```

9. En el directori del sistema /opt/odoo escrib : `python odoo-bin -c odoo.conf -s`

```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
postgres@inf1-arsupu:/opt/odoo$ python odoo-bin -c odoo.conf -s
ERROR: couldn't write the config file
2017-12-13 14:13:53,345 2073 INFO ? odoo: Odoo version 11.0
2017-12-13 14:13:53,345 2073 INFO ? odoo: addons paths: ['/var/lib/postgresql/.local/share/
Odoo/addons/11.0', u'/opt/odoo/odoo/addons', u'/opt/odoo/addons']
2017-12-13 14:13:53,345 2073 INFO ? odoo: database: default@default:default
2017-12-13 14:13:53,500 2073 INFO ? odoo.service.server: HTTP service (werkzeug) running on
0.0.0.0:8069
Exception in thread odoo.service.httpd:
Traceback (most recent call last):
  File "/usr/lib/python2.7/threading.py", line 801, in __bootstrap_inner
    self.run()
  File "/usr/lib/python2.7/threading.py", line 754, in run
    self.__target(*self.__args, **self.__kwargs)
  File "/opt/odoo/odoo/service/server.py", line 253, in http_thread
    self.httpd = ThreadedWSGIServerReloadable(self.interface, self.port, app)
  File "/opt/odoo/odoo/service/server.py", line 106, in __init__
    handler=RequestHandler)
```

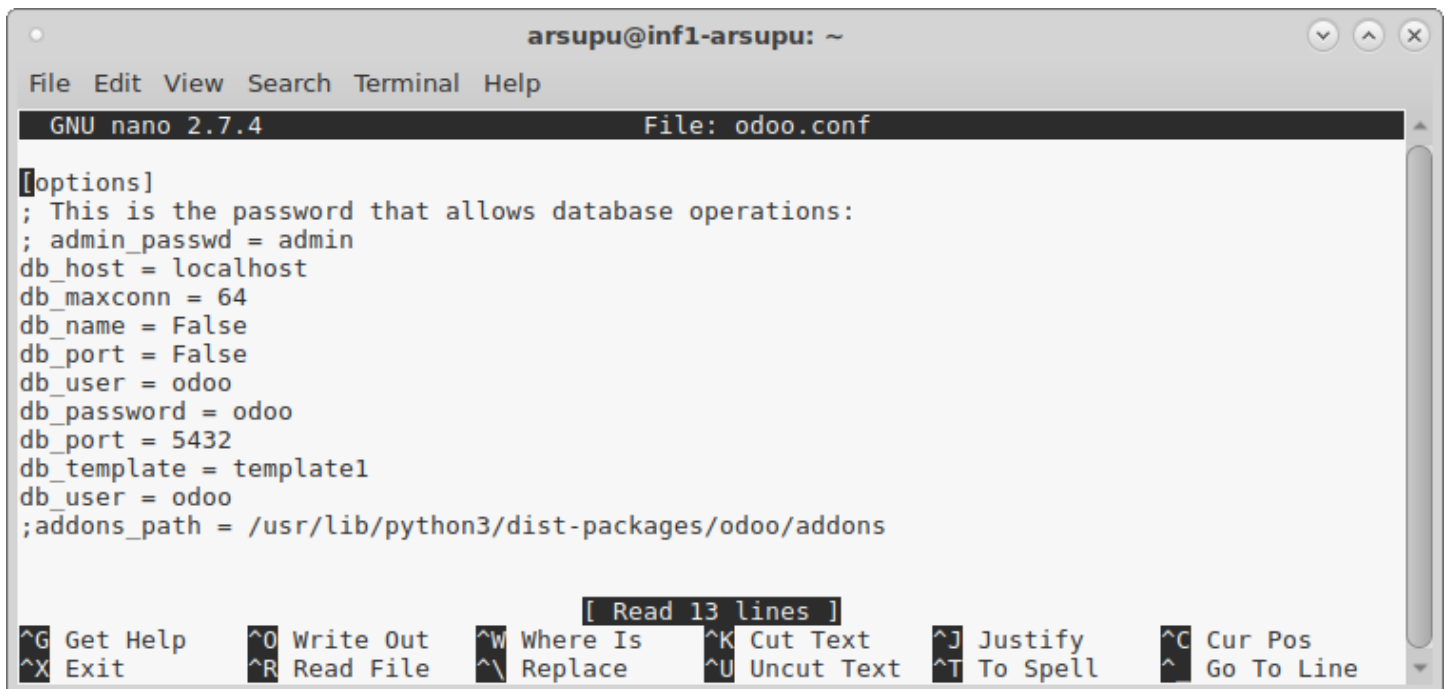
10. Instal.lo wkhtmltopdf per convertir paginas web a pdf :`sudo apt-get install wkhtmltopdf`

```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
root@inf1-arsupu:/opt/odoo# sudo apt-get install wkhtmltopdf
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libdouble-conversion1 libpcre16-3 libqt5core5a libqt5dbus5 libqt5gui5 libqt5network5
  libqt5opengl5 libqt5printsupport5 libqt5qml5 libqt5quick5 libqt5sql5 libqt5sql5-sqlite
  libqt5svg5 libqt5webkit5 libqt5widgets5 libqt5xmlpatterns5 libxcb-xinerama0 mesa-utils
  qt5-gtk-platformtheme qttranslations5-l10n
Suggested packages:
  qt5-image-formats-plugins qtwayland5 qt5-qmltooling-plugins
The following NEW packages will be installed:
  libdouble-conversion1 libpcre16-3 libqt5core5a libqt5dbus5 libqt5gui5 libqt5network5
  libqt5opengl5 libqt5printsupport5 libqt5qml5 libqt5quick5 libqt5sql5 libqt5sql5-sqlite
  libqt5svg5 libqt5webkit5 libqt5widgets5 libqt5xmlpatterns5 libxcb-xinerama0 mesa-utils
  qt5-gtk-platformtheme qttranslations5-l10n wkhtmltopdf
0 upgraded, 21 newly installed, 0 to remove and 1 not upgraded.
```

11. Desde el editor nano, modifiko els parametres de l'arxiu odoo.conf

- nano odoo.conf

```
db_host = localhost
db_maxconn = 64
db_name = False
db_password = odoo
db_port = 5432
db_template = template1
db_user = odoo
```



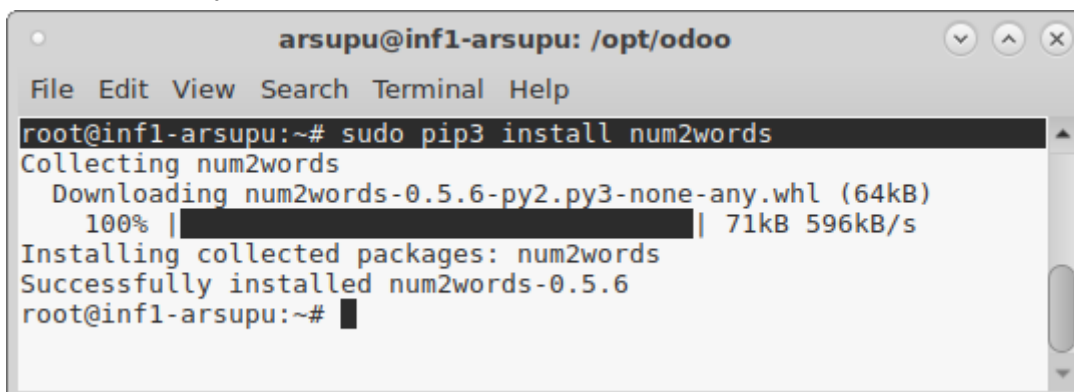
```
arsupu@inf1-arsupu: ~
File Edit View Search Terminal Help
GNU nano 2.7.4 File: odoo.conf

[options]
; This is the password that allows database operations:
; admin_passwd = admin
db_host = localhost
db_maxconn = 64
db_name = False
db_port = False
db_user = odoo
db_password = odoo
db_port = 5432
db_template = template1
db_user = odoo
;addons_path = /usr/lib/python3/dist-packages/odoo/addons

[ Read 13 lines ]
^G Get Help  ^O Write Out  ^W Where Is   ^K Cut Text   ^J Justify    ^C Cur Pos
^X Exit       ^R Read File  ^\ Replace    ^U Uncut Text ^T To Spell   ^_ Go To Line
```

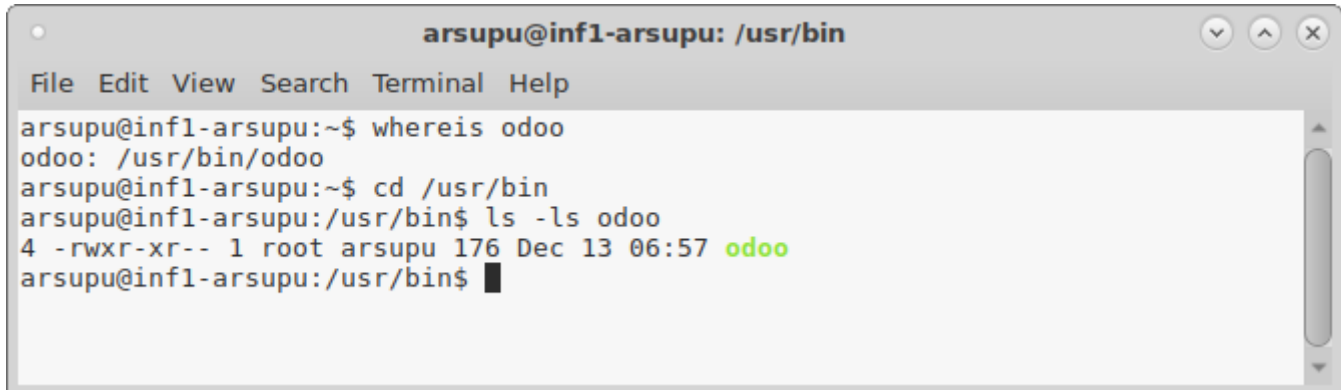
12. Instal·lo la dependencia num2words : **aptitude install python3-pip**

- Si em dona error ja que no està instal·lat pip3, previament instal·lo la següent dependencia de Python : **sudo pip3 install num2words**



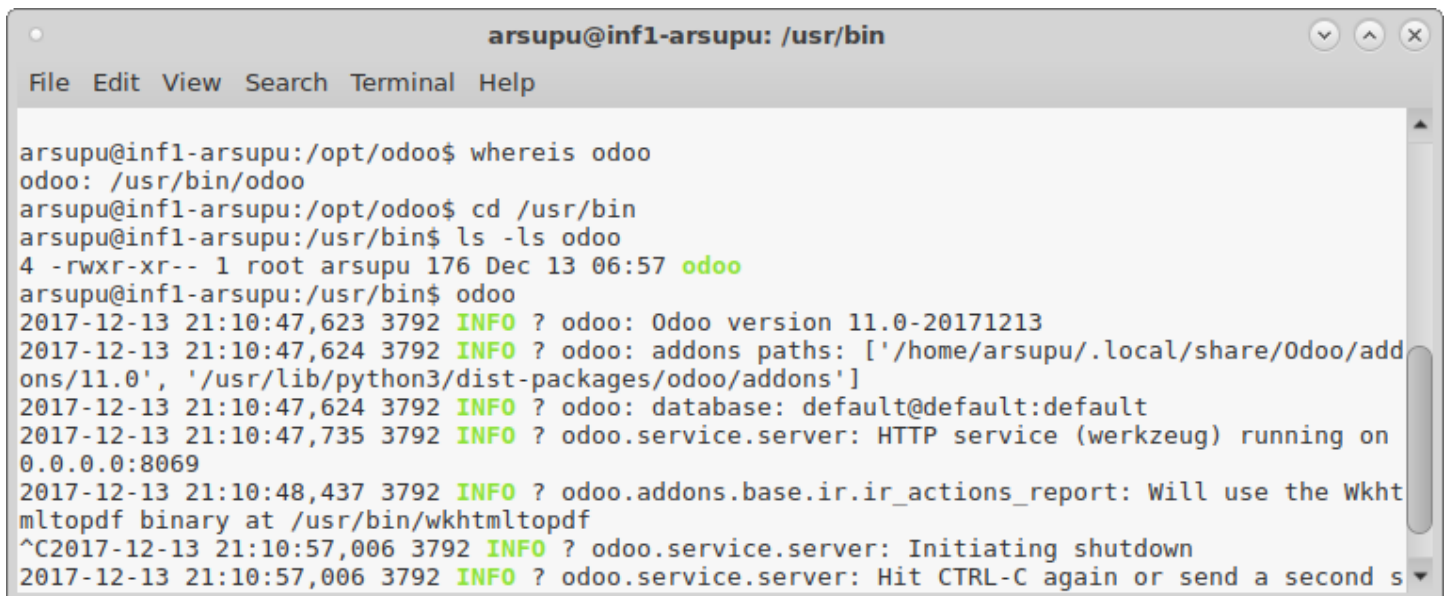
```
arsupu@inf1-arsupu: /opt/odoo
File Edit View Search Terminal Help
root@inf1-arsupu:~# sudo pip3 install num2words
Collecting num2words
  Downloading num2words-0.5.6-py2.py3-none-any.whl (64kB)
    100% |#####| 71kB 596kB/s
Installing collected packages: num2words
Successfully installed num2words-0.5.6
root@inf1-arsupu:~#
```


13. Com que no vull ejectutar odoo com a root user , l'hi hagi de donar permisos al meu usuari arsupu. Utilizo whereis odoo para saber a on està ubicat.
- Accedeixo al directori /usr/bin
 - Escriu chgrp arsupu odoo i ara aquesta aplicació, tinc permisos de grup per poder ejectuar.



```
arsupu@inf1-arsupu: /usr/bin
File Edit View Search Terminal Help
arsupu@inf1-arsupu:~$ whereis odoo
odoo: /usr/bin/odoo
arsupu@inf1-arsupu:~$ cd /usr/bin
arsupu@inf1-arsupu:/usr/bin$ ls -ls odoo
4 -rwxr-xr-- 1 root arsupu 176 Dec 13 06:57 odoo
arsupu@inf1-arsupu:/usr/bin$
```

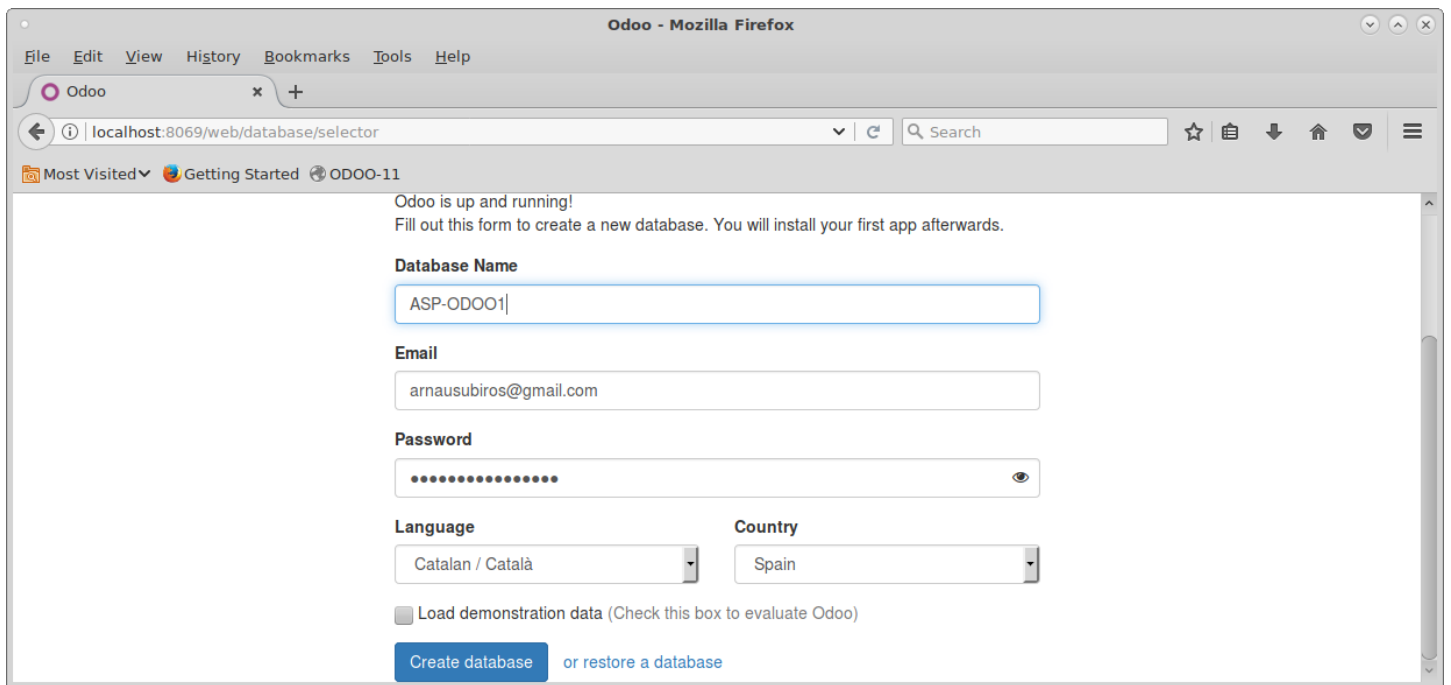
14. Accedeixo al usuari postgres i creo el usuari arsupu. (com he fet en el punt 8 amb l'usuari odoo, ja que serà l'usuari que finalment farà servir Odoo)
- createuser -s -P -e arsupu
 - psql template1
 - alter role arsupu with password 'arsupu';
 - psql \q
15. Activo el servidor, necessari per poder arrancar Odoo.



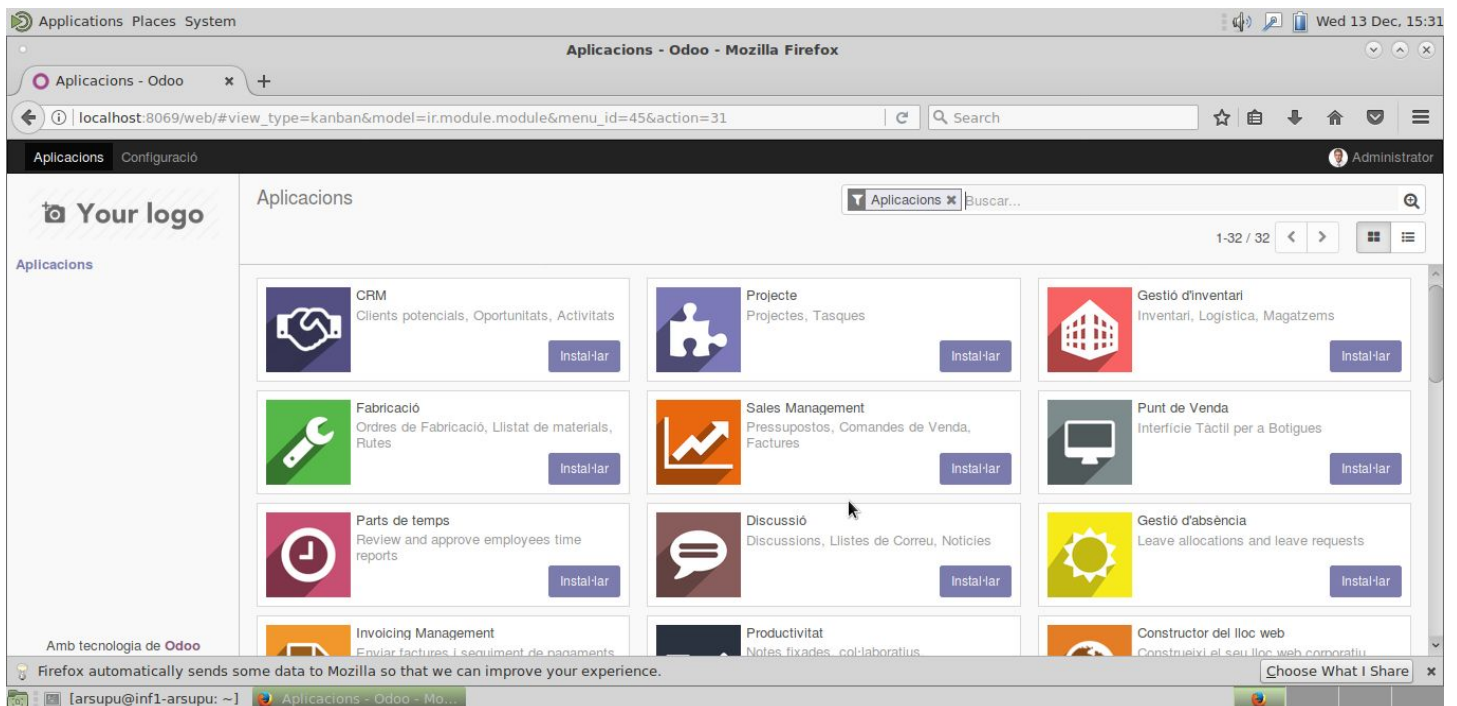
```
arsupu@inf1-arsupu: /usr/bin
File Edit View Search Terminal Help
arsupu@inf1-arsupu:/opt/odoo$ whereis odoo
odoo: /usr/bin/odoo
arsupu@inf1-arsupu:/opt/odoo$ cd /usr/bin
arsupu@inf1-arsupu:/usr/bin$ ls -ls odoo
4 -rwxr-xr-- 1 root arsupu 176 Dec 13 06:57 odoo
arsupu@inf1-arsupu:/usr/bin$ odoo
2017-12-13 21:10:47,623 3792 INFO ? odoo: Odoo version 11.0-20171213
2017-12-13 21:10:47,624 3792 INFO ? odoo: addons paths: ['/home/arsupu/.local/share/Odoo/addons/11.0', '/usr/lib/python3/dist-packages/odoo/addons']
2017-12-13 21:10:47,624 3792 INFO ? odoo: database: default@default:default
2017-12-13 21:10:47,735 3792 INFO ? odoo.service.server: HTTP service (werkzeug) running on 0.0.0.0:8069
2017-12-13 21:10:48,437 3792 INFO ? odoo.addons.base.ir.ir_actions_report: Will use the Wkhtmltopdf binary at /usr/bin/wkhtmltopdf
^C2017-12-13 21:10:57,006 3792 INFO ? odoo.service.server: Initiating shutdown
2017-12-13 21:10:57,006 3792 INFO ? odoo.service.server: Hit CTRL-C again or send a second s
```

16. Obro el navegador firefox.

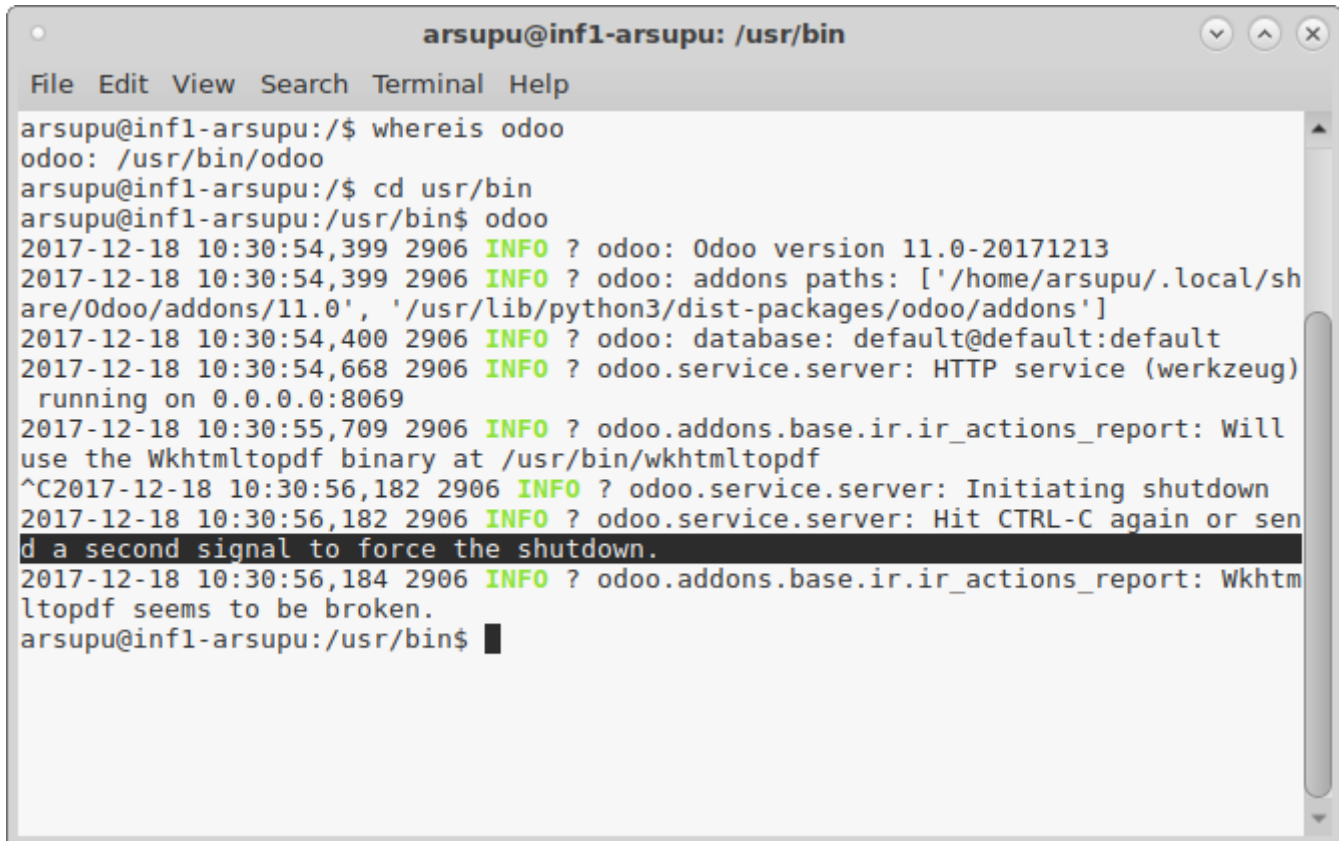
- ESCRIBO localhost i el port 8069 : localhost:8069
- Nom de la Base de Dades d'Odoo : ASP-ODOO1



17. Ja hem accedit a Odoo.



18. Si vull sortir correctament d'Odoo i desconectar el servidor, faig servir : CTRL+C



```
arsupu@inf1-arsupu: /usr/bin
File Edit View Search Terminal Help
arsupu@inf1-arsupu:/$ whereis odoo
odoo: /usr/bin/odoo
arsupu@inf1-arsupu:/$ cd usr/bin
arsupu@inf1-arsupu:/usr/bin$ odoo
2017-12-18 10:30:54,399 2906 INFO ? odoo: Odoo version 11.0-20171213
2017-12-18 10:30:54,399 2906 INFO ? odoo: addons paths: ['/home/arsupu/.local/share/Odoo/addons/11.0', '/usr/lib/python3/dist-packages/odoo/addons']
2017-12-18 10:30:54,400 2906 INFO ? odoo: database: default@default:default
2017-12-18 10:30:54,668 2906 INFO ? odoo.service.server: HTTP service (werkzeug) running on 0.0.0.0:8069
2017-12-18 10:30:55,709 2906 INFO ? odoo.addons.base.ir.ir_actions_report: Will use the Wkhtmltopdf binary at /usr/bin/wkhtmltopdf
^C2017-12-18 10:30:56,182 2906 INFO ? odoo.service.server: Initiating shutdown
2017-12-18 10:30:56,182 2906 INFO ? odoo.service.server: Hit CTRL-C again or send a second signal to force the shutdown.
2017-12-18 10:30:56,184 2906 INFO ? odoo.addons.base.ir.ir_actions_report: Wkhtmltopdf seems to be broken.
arsupu@inf1-arsupu:/usr/bin$
```

DOCUMENTACIÓ

Un cop instal·lada l'aplicació i comprovat el seu funcionament creeu un document que expliqui tot el procés d'instal·lació:

1. Característiques del maquinari

Edición de Windows

Windows 10 Home

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Sistema

Fabricante:	ASUSTek Computer Inc.
Procesador:	Intel(R) Core(TM) i5-7200U CPU @ 2.50GHz 2.71 GHz
Memoria instalada (RAM):	8,00 GB (7,88 GB utilizable)
Tipo de sistema:	Sistema operativo de 64 bits, procesador x64
Lápiz y entrada táctil:	La entrada táctil o manuscrita no está disponible para esta pantalla

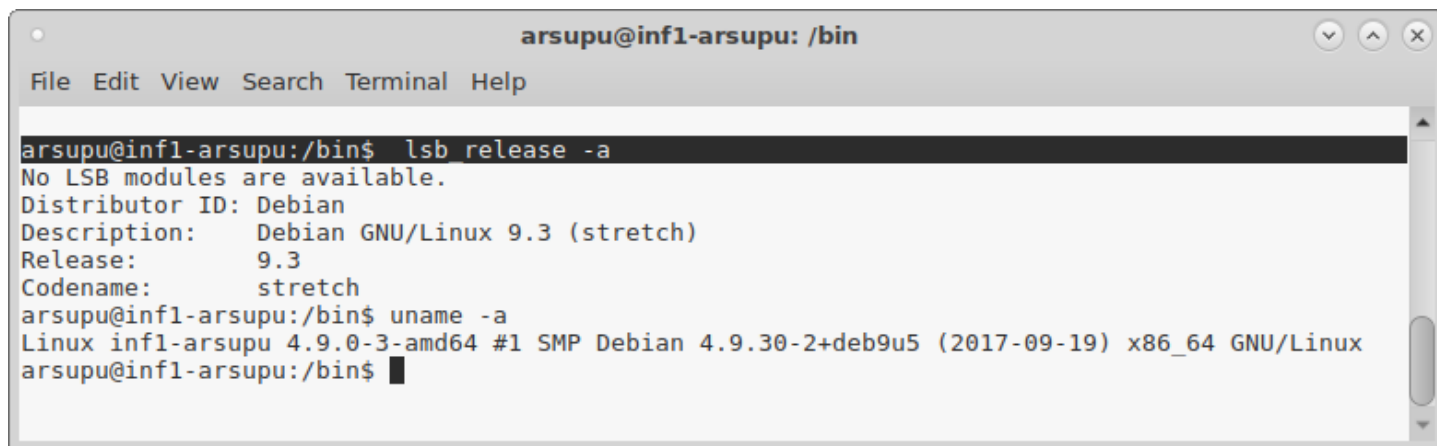
Compatibilidad con ASUSTek Computer Inc.

2. Sistema operatiu emprat (arquitectura, distribució, versió, ...)

Sistema Operatiu : Linux

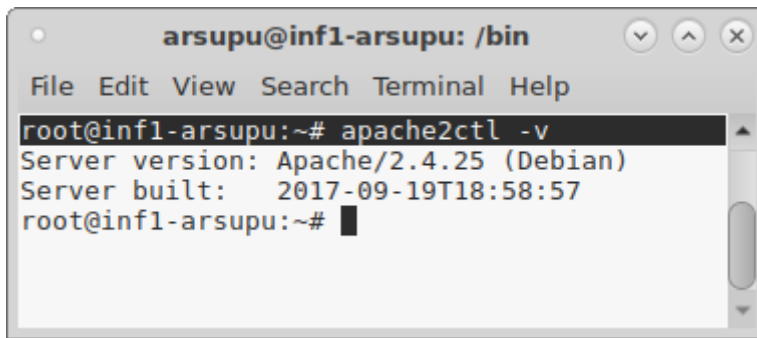
Versió : Debian 9.3 Strech

Arquitectura : 64 bits



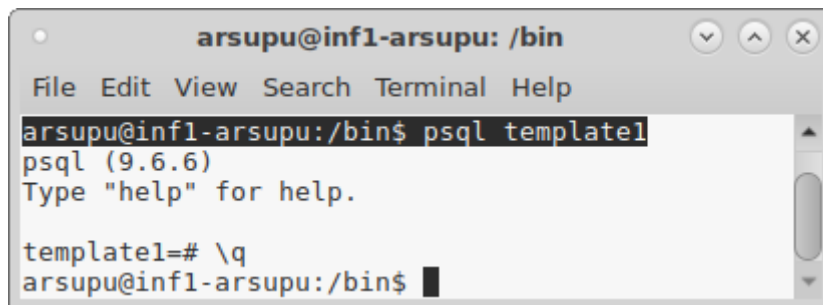
```
arsupu@inf1-arsupu: /bin
File Edit View Search Terminal Help
arsupu@inf1-arsupu:/bin$ lsb_release -a
No LSB modules are available.
Distributor ID: Debian
Description:    Debian GNU/Linux 9.3 (stretch)
Release:       9.3
Codename:      stretch
arsupu@inf1-arsupu:/bin$ uname -a
Linux inf1-arsupu 4.9.0-3-amd64 #1 SMP Debian 4.9.30-2+deb9u5 (2017-09-19) x86_64 GNU/Linux
arsupu@inf1-arsupu:/bin$
```

3. Versió i procés d'instal·lació del servidor (Apache)



```
arsupu@inf1-arsupu: /bin
File Edit View Search Terminal Help
root@inf1-arsupu:~# apache2ctl -v
Server version: Apache/2.4.25 (Debian)
Server built: 2017-09-19T18:58:57
root@inf1-arsupu:~#
```

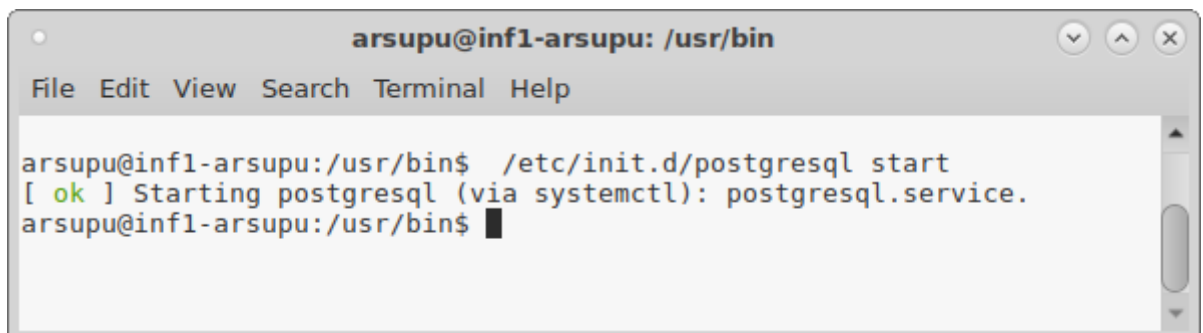
4. Versió i procés d'instal·lació de la base de dades (PostgreSQL)



```
arsupu@inf1-arsupu: /bin
File Edit View Search Terminal Help
arsupu@inf1-arsupu:/bin$ psql templatel
psql (9.6.6)
Type "help" for help.

templatel=# \q
arsupu@inf1-arsupu:/bin$
```

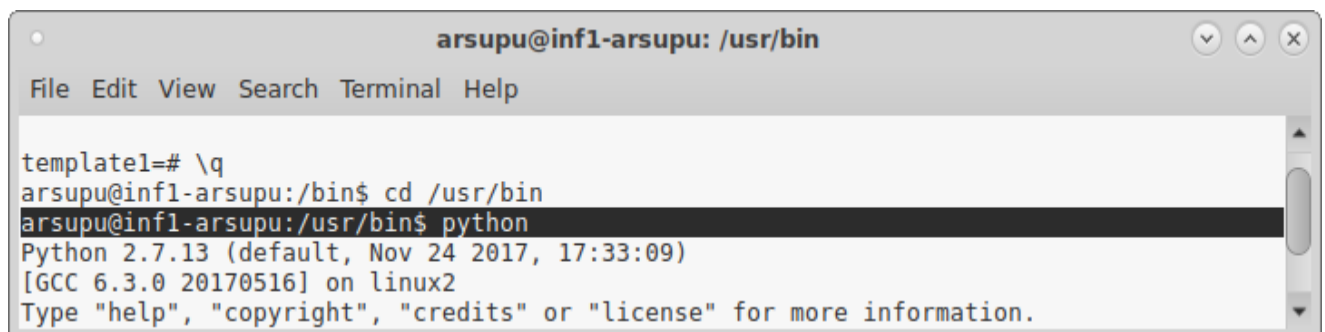
❖ reinicio la base de dades.



```
arsupu@inf1-arsupu: /usr/bin
File Edit View Search Terminal Help

arsupu@inf1-arsupu:/usr/bin$ /etc/init.d/postgresql start
[ ok ] Starting postgresql (via systemctl): postgresql.service.
arsupu@inf1-arsupu:/usr/bin$
```

5. Versió i procés d'instal·lació del llenguatge de suport (Python)



```
arsupu@inf1-arsupu: /usr/bin
File Edit View Search Terminal Help

templatel=# \q
arsupu@inf1-arsupu:/bin$ cd /usr/bin
arsupu@inf1-arsupu:/usr/bin$ python
Python 2.7.13 (default, Nov 24 2017, 17:33:09)
[GCC 6.3.0 20170516] on linux2
Type "help", "copyright", "credits" or "license" for more information.
```


6. Versió i procés d'instal·lació del sistema ERP (Odoo 8)

- Odoo 11

```

arsupu@inf1-arsupu: /usr/bin
File Edit View Search Terminal Help
arsupu@inf1-arsupu: /usr/bin$ odoo
2017-12-18 11:07:25,741 3346 INFO ? odoo: Odoo version 11.0-20171213
2017-12-18 11:07:25,755 3346 INFO ? odoo: addons paths: ['/home/arsupu/.local/share/Odoo/addons/11.0', '/usr/lib/python3/dist-packages/odoo
/addons']
2017-12-18 11:07:25,756 3346 INFO ? odoo: database: default@default:default
2017-12-18 11:07:26,043 3346 INFO ? odoo.service.server: HTTP service (werkzeug) running on 0.0.0.0:8069
2017-12-18 11:07:27,153 3346 INFO ? odoo.addons.base.ir.ir_actions_report: Will use the Wkhtmltopdf binary at /usr/bin/wkhtmltopdf
2017-12-18 11:09:28,092 3346 INFO ASP-00001 odoo.modules.loading: loading 1 modules...
2017-12-18 11:09:28,132 3346 INFO ASP-00001 odoo.modules.loading: 1 modules loaded in 0.04s, 0 queries
2017-12-18 11:09:29,407 3346 INFO ASP-00001 odoo.modules.loading: loading 11 modules...
2017-12-18 11:09:32,176 3346 INFO ASP-00001 odoo.modules.loading: 11 modules loaded in 2.77s, 0 queries
2017-12-18 11:09:32,982 3346 INFO ASP-00001 odoo.modules.loading: Modules loaded.
2017-12-18 11:09:33,404 3346 INFO ASP-00001 odoo.addons.base.ir.ir_http: Generating routing map
2017-12-18 11:09:33,405 3346 INFO ASP-00001 odoo.addons.base.ir.ir_http: Generating routing map
2017-12-18 11:09:33,688 3346 INFO ASP-00001 werkzeug: 127.0.0.1 - - [18/Dec/2017 11:09:33] "GET / HTTP/1.1" 303 -
2017-12-18 11:09:56,360 3346 INFO ASP-00001 odoo.models.unlink: User #1 deleted ir.attachment records with IDs: [239]
2017-12-18 11:10:02,713 3346 INFO ASP-00001 odoo.models.unlink: User #1 deleted ir.attachment records with IDs: [249, 248]
2017-12-18 11:10:07,734 3346 INFO ASP-00001 odoo.models.unlink: User #1 deleted ir.attachment records with IDs: [249]

```

ODOO 11				
Servidor Apache	PostgreSQL	Python	Sistema Operatiu (Linux)	Característiques del maquinari
versio 2.4.25	versio 9.6.6	versio 2.7.13	<u>versio:</u> Debian 9.3 Strech <u>arquitectura:</u> 64 bits	<u>procesador:</u> Intel(R) Core(™) i5-7200U CPU @2.5 GHz 2.71GHz <u>memòria RAM:</u> 8GB <u>fabricant:</u> ASUSTek Computer Inc.

7. Anotacions sobre possibles problemes o altres aspectes a destacar del procés .A més d'aquests es podran afegir tots aquells aspectes que creieu oportú indicar

- He tingut problemes al instal·lar les dependències Python que no estaven incloses (i al consultar els 2 links, sóc conscient que he fet més passos dels necessaris).
- Quan intento obrir Odoo desde el meu usuari (arsupu), no he pogut. Posteriorment l'he tingut que donar permisos ja qui ha fet l'instal·lació era el root user i no en tenia.
- Com que no he creat cap usuari amb el nom de Odoo, a la base de dades he tingut que crear un altre amb el meu usuari (arsupu)
- Posteriorment he creat una altra maquina virtual i he tornat instal·lar Odoo (varies vegades amb èxit) intentant que funcioni amb menys passos (sense tantes dependències ja que anteriorment no volia deixar-me res, per evitr errors en el funcionament de Odoo). M'he basat en 2 links :
 - a. <https://www.odoo.com/documentation/11.0/setup/install.html#linux>

b. <https://poncesoft.blogspot.com.es/2017/10/instalacion-odoo-11-en-linux-ubuntu-16.html>

- No he tingut que instal·lar més dependències però m'ha donat un error al terminal : **errpr OSError: [Errno 98] Address already in use**

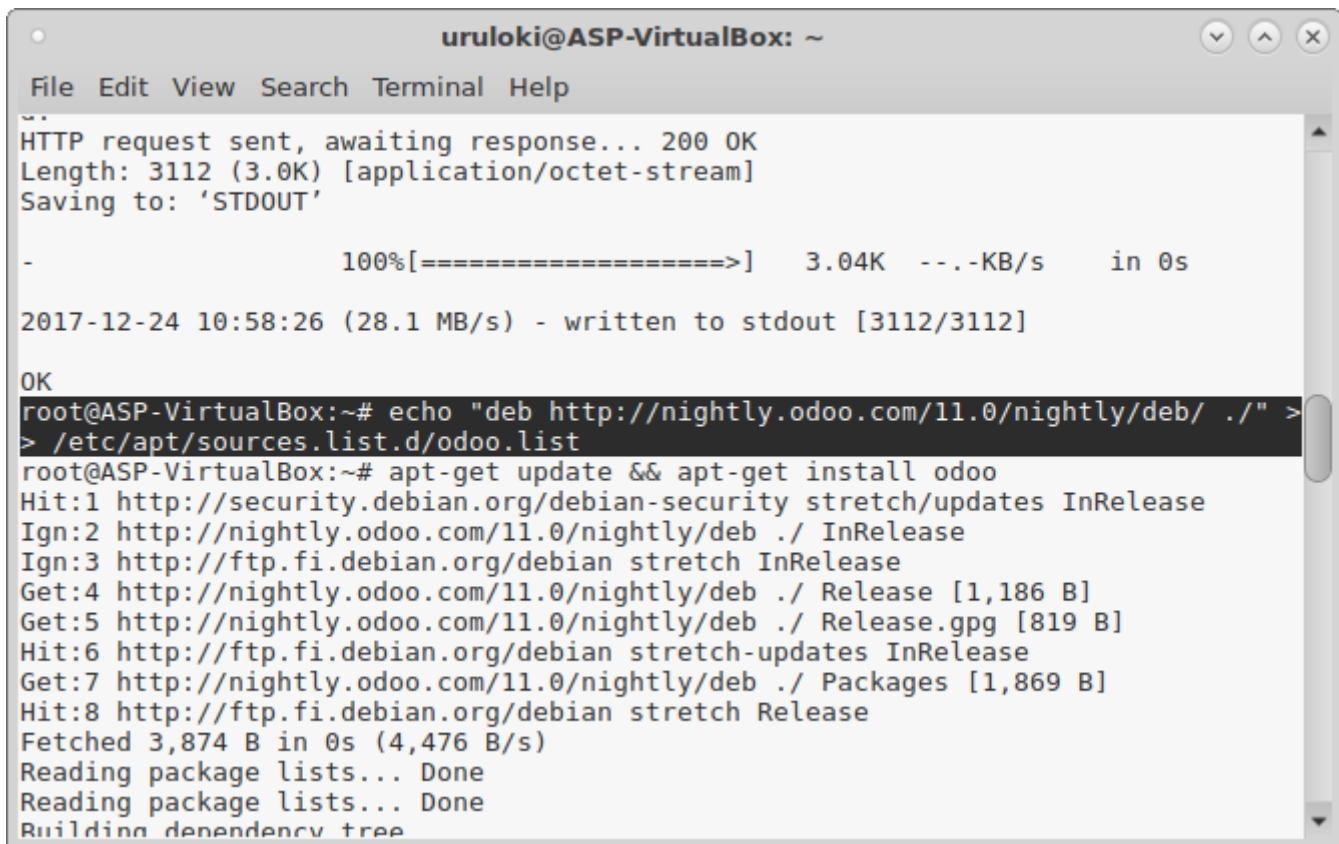
1. Instal·lo la base de dades postgresql : `apt-get install postgresql`

```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
root@ASP-VirtualBox:~# apt-get install postgresql  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  postgresql-9.6 postgresql-client-9.6 postgresql-client-common  
  postgresql-common postgresql-contrib-9.6 sysstat  
Suggested packages:  
  postgresql-doc locales-all postgresql-doc-9.6 libdbd-pg-perl isag  
The following NEW packages will be installed:  
  postgresql postgresql-9.6 postgresql-client-9.6 postgresql-client-common  
  postgresql-common postgresql-contrib-9.6 sysstat  
0 upgraded, 7 newly installed, 0 to remove and 1 not upgraded.  
Need to get 6,586 kB of archives.  
After this operation, 30.1 MB of additional disk space will be used.  
Do you want to continue? [Y/n] s  
Abort.  
root@ASP-VirtualBox:~# apt-get install postgresql  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  postgresql-9.6 postgresql-client-9.6 postgresql-client-common  
  postgresql-common postgresql-contrib-9.6 sysstat
```

2. `wget -O - https://nightly.odoo.com/odoo.key | apt-key add -`

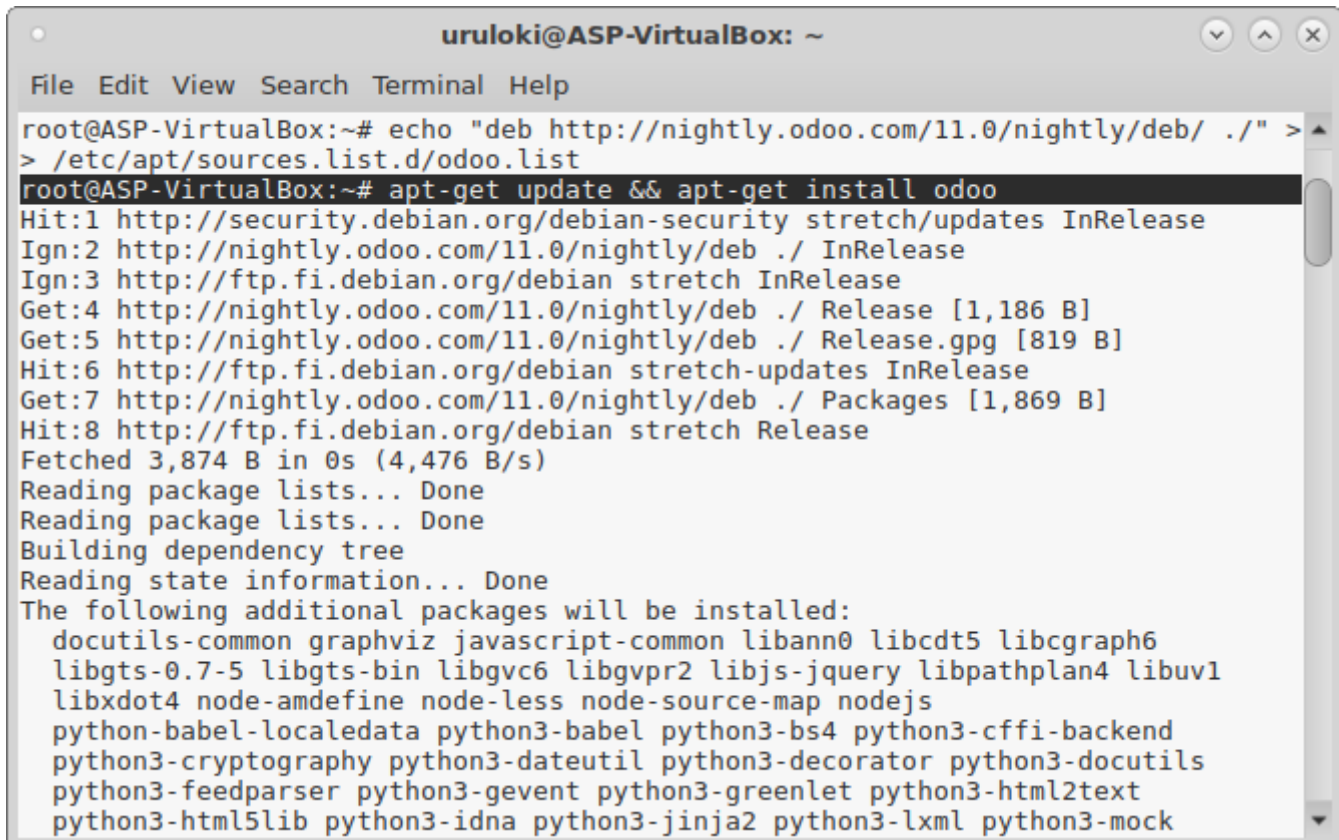
```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
root@ASP-VirtualBox:~# wget -O - https://nightly.odoo.com/odoo.key | apt-key add -  
--2017-12-24 10:58:25-- https://nightly.odoo.com/odoo.key  
Resolving nightly.odoo.com (nightly.odoo.com)... 178.33.123.40  
Connecting to nightly.odoo.com (nightly.odoo.com)|178.33.123.40|:443... connecte  
d.  
HTTP request sent, awaiting response... 200 OK  
Length: 3112 (3.0K) [application/octet-stream]  
Saving to: 'STDOUT'  
  
- 100%[=====>] 3.04K --.-KB/s in 0s  
2017-12-24 10:58:26 (28.1 MB/s) - written to stdout [3112/3112]  
  
OK  
root@ASP-VirtualBox:~# echo "deb http://nightly.odoo.com/11.0/nightly/deb/ ./" >  
> /etc/apt/sources.list.d/odoo.list  
root@ASP-VirtualBox:~# apt-get update && apt-get install odoo  
Hit:1 http://security.debian.org/debian-security stretch/updates InRelease  
Ign:2 http://nightly.odoo.com/11.0/nightly/deb ./ InRelease  
Ign:3 http://ftp.fi.debian.org/debian stretch InRelease  
Get:4 http://nightly.odoo.com/11.0/nightly/deb ./ Release [1,186 B]  
Get:5 http://nightly.odoo.com/11.0/nightly/deb ./ Release.gpg [819 B]  
Hit:6 http://ftp.fi.debian.org/debian stretch-updates InRelease
```

3. `echo "deb http://nightly.odoo.com/11.0/nightly/deb/ ./" >>
/etc/apt/sources.list.d/odoo.list`



```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
...  
HTTP request sent, awaiting response... 200 OK  
Length: 3112 (3.0K) [application/octet-stream]  
Saving to: 'STDOUT'  
  
- 100%[=====] 3.04K --.-KB/s in 0s  
  
2017-12-24 10:58:26 (28.1 MB/s) - written to stdout [3112/3112]  
  
OK  
root@ASP-VirtualBox:~# echo "deb http://nightly.odoo.com/11.0/nightly/deb/ ./" >  
> /etc/apt/sources.list.d/odoo.list  
root@ASP-VirtualBox:~# apt-get update && apt-get install odoo  
Hit:1 http://security.debian.org/debian-security stretch/updates InRelease  
Ign:2 http://nightly.odoo.com/11.0/nightly/deb ./ InRelease  
Ign:3 http://ftp.fi.debian.org/debian stretch InRelease  
Get:4 http://nightly.odoo.com/11.0/nightly/deb ./ Release [1,186 B]  
Get:5 http://nightly.odoo.com/11.0/nightly/deb ./ Release.gpg [819 B]  
Hit:6 http://ftp.fi.debian.org/debian stretch-updates InRelease  
Get:7 http://nightly.odoo.com/11.0/nightly/deb ./ Packages [1,869 B]  
Hit:8 http://ftp.fi.debian.org/debian stretch Release  
Fetched 3,874 B in 0s (4,476 B/s)  
Reading package lists... Done  
Reading package lists... Done  
Building dependency tree
```

4. `update && apt-get install odoo`



```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
root@ASP-VirtualBox:~# echo "deb http://nightly.odoo.com/11.0/nightly/deb/ ./" >  
> /etc/apt/sources.list.d/odoo.list  
root@ASP-VirtualBox:~# apt-get update && apt-get install odoo  
Hit:1 http://security.debian.org/debian-security stretch/updates InRelease  
Ign:2 http://nightly.odoo.com/11.0/nightly/deb ./ InRelease  
Ign:3 http://ftp.fi.debian.org/debian stretch InRelease  
Get:4 http://nightly.odoo.com/11.0/nightly/deb ./ Release [1,186 B]  
Get:5 http://nightly.odoo.com/11.0/nightly/deb ./ Release.gpg [819 B]  
Hit:6 http://ftp.fi.debian.org/debian stretch-updates InRelease  
Get:7 http://nightly.odoo.com/11.0/nightly/deb ./ Packages [1,869 B]  
Hit:8 http://ftp.fi.debian.org/debian stretch Release  
Fetched 3,874 B in 0s (4,476 B/s)  
Reading package lists... Done  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
docutils-common graphviz javascript-common libann0 libcdt5 libcgraph6  
libgts-0.7-5 libgts-bin libgvc6 libgvpr2 libjs-jquery libpathplan4 libuv1  
libxdot4 node-amdefine node-less node-source-map nodejs  
python-babel-localedata python3-babel python3-bs4 python3-cffi-backend  
python3-cryptography python3-dateutil python3-decorator python3-docutils  
python3-feedparser python3-gevent python3-greenlet python3-html2text  
python3-html5lib python3-idna python3-jinja2 python3-lxml python3-mock
```

5. aptitude install python3-pip

```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
root@ASP-VirtualBox:~# aptitude install python3-pip  
The following NEW packages will be installed:  
  build-essential{a} dpkg-dev{a} fakeroot{a} g++{a} g++-6{a}  
  libalgorithm-diff-perl{a} libalgorithm-diff-xs-perl{a}  
  libalgorithm-merge-perl{a} libdpkg-perl{a} libexpat1-dev{a}  
  libfakeroot{a} libfile-fcntllock-perl{a} libpython3-dev{a}  
  libpython3.5-dev{a} libstdc++-6-dev{a} patch{a}  
  python-pip-whl{a} python3-crypto{a} python3-dev{a}  
  python3-keyring{a} python3-keyrings.alt{a} python3-pip  
  python3-secretstorage{a} python3-wheel{a} python3.5-dev{a}  
0 packages upgraded, 25 newly installed, 0 to remove and 1 not upg  
raded.  
Need to get 52.0 MB of archives. After unpacking 105 MB will be us  
ed.  
Do you want to continue? [Y/n/?] █
```

6. sudo pip3 install num2words

```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
bin/fakeroot (fakeroot) in auto mode  
Setting up libpython3.5-dev:amd64 (3.5.3-1) ...  
Setting up libalgorithm-merge-perl (0.08-3) ...  
Setting up dpkg-dev (1.18.24) ...  
Setting up libalgorithm-diff-xs-perl (0.04-4+b2) ...  
Setting up python3.5-dev (3.5.3-1) ...  
Setting up libpython3-dev:amd64 (3.5.3-1) ...  
Setting up build-essential (12.3) ...  
Setting up python3-dev (3.5.3-1) ...  
Processing triggers for libc-bin (2.24-11+deb9u1) ...  
root@ASP-VirtualBox:~# sudo pip3 install num2words  
Collecting num2words  
  Downloading num2words-0.5.6-py2.py3-none-any.whl (64kB)  
    15% |██████████| 10kB 311kB/s eta 0:00:0  
    31% |██████████| 20kB 437kB/s eta 0:00:0  
    47% |██████████| 30kB 440kB/s eta 0:00:0  
    63% |██████████| 40kB 386kB/s eta 0:00:0  
    78% |██████████| 51kB 408kB/s eta 0:00:0  
    94% |██████████| 61kB 488kB/s eta 0:00:0  
   100% |██████████| 71kB 513kB/s  
Installing collected packages: num2words  
Successfully installed num2words-0.5.6  
root@ASP-VirtualBox:~# █
```


7. sudo pip3 install wkhtmltopdf

```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
2017-12-24 10:10:59,067 9891 INFO ? odoo.addons.base.ir.ir_actions_report: You need Wkhtmltopdf  
to print a pdf version of the reports.  
^C2017-12-24 10:14:59,644 9891 INFO ? odoo.service.server: Initiating shutdown  
2017-12-24 10:14:59,646 9891 INFO ? odoo.service.server: Hit CTRL-C again or send a second sign  
al to force the shutdown.  
root@ASP-VirtualBox:/usr/bin# sudo apt-get install wkhtmltopdf  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  libdouble-conversion1 libpcr16-3 libqt5core5a libqt5dbus5  
  libqt5gui5 libqt5network5 libqt5opengl5 libqt5printsupport5  
  libqt5qml5 libqt5quick5 libqt5sql5 libqt5sql5-sqlite  
  libqt5svg5 libqt5webkit5 libqt5widgets5 libqt5xmlpatterns5  
  libxcb-xinerama0 mesa-utils qt5-gtk-platformtheme  
  qttranslations5-l10n  
Suggested packages:  
  qt5-image-formats-plugins qtwayland5 qt5-qmltooling-plugins  
The following NEW packages will be installed:  
  libdouble-conversion1 libpcr16-3 libqt5core5a libqt5dbus5  
  libqt5gui5 libqt5network5 libqt5opengl5 libqt5printsupport5  
  libqt5qml5 libqt5quick5 libqt5sql5 libqt5sql5-sqlite  
  libqt5svg5 libqt5webkit5 libqt5widgets5 libqt5xmlpatterns5
```

```
uruloki@ASP-VirtualBox: ~  
File Edit View Search Terminal Help  
nal to force the shutdown.  
root@ASP-VirtualBox:/usr/bin# clear  
root@ASP-VirtualBox:/usr/bin# odoo  
Running as user 'root' is a security risk.  
2017-12-24 10:41:45,722 10974 INFO ? odoo: Odoo version 11.0-20171224  
2017-12-24 10:41:45,723 10974 INFO ? odoo: addons paths: ['/root/.local/share/Odoo/addons/11.0'  
, '/usr/lib/python3/dist-packages/odoo/addons']  
2017-12-24 10:41:45,724 10974 INFO ? odoo: database: default@default:default  
2017-12-24 10:41:45,906 10974 INFO ? odoo.service.server: HTTP service (werkzeug) running on 0.  
0.0.0:8069  
Exception in thread odoo.service.httpd:  
Traceback (most recent call last):  
  File "/usr/lib/python3.5/threading.py", line 914, in _bootstrap_inner  
    self.run()  
  File "/usr/lib/python3.5/threading.py", line 862, in run  
    self._target(*self._args, **self._kwargs)  
  File "/usr/lib/python3/dist-packages/odoo/service/server.py", line 253, in http_thread  
    self.httpd = ThreadedWSGIServerReloadable(self.interface, self.port, app)  
  File "/usr/lib/python3/dist-packages/odoo/service/server.py", line 106, in __init__  
    handler=RequestHandler)  
  File "/usr/lib/python3/dist-packages/werkzeug/serving.py", line 476, in __init__  
    HTTPServer.__init__(self, (host, int(port)), handler)  
  File "/usr/lib/python3.5/socketserver.py", line 440, in __init__
```



```
uruloki@ASP-VirtualBox: ~
File Edit View Search Terminal Help
Traceback (most recent call last):
  File "/usr/lib/python3.5/threading.py", line 914, in _bootstrap_inner
    self.run()
  File "/usr/lib/python3.5/threading.py", line 862, in run
    self._target(*self._args, **self._kwargs)
  File "/usr/lib/python3/dist-packages/odoo/service/server.py", line 253, in http_thread
    self.httpd = ThreadedWSGIServerReloadable(self.interface, self.port, app)
  File "/usr/lib/python3/dist-packages/odoo/service/server.py", line 106, in __init__
    handler=RequestHandler)
  File "/usr/lib/python3/dist-packages/werkzeug/serving.py", line 476, in __init__
    HTTPServer.__init__(self, (host, int(port)), handler)
  File "/usr/lib/python3.5/socketserver.py", line 440, in __init__
    self.server_bind()
  File "/usr/lib/python3/dist-packages/odoo/service/server.py", line 116, in server_bind
    super(ThreadedWSGIServerReloadable, self).server_bind()
  File "/usr/lib/python3.5/http/server.py", line 138, in server_bind
    socketserver.TCPServer.server_bind(self)
  File "/usr/lib/python3.5/socketserver.py", line 454, in server_bind
    self.socket.bind(self.server_address)
OSError: [Errno 98] Address already in use

2017-12-24 10:20:54,223 10536 INFO ? odoo.addons.base.ir.ir_actions_report: Will use the Wkhtml
topdf binary at /usr/bin/wkhtmltopdf
```

