

Instalacións

A) Instalacións para executar Odoo dende a liña de comandos

Preparativos

Supoñamos que na nosa máquina xa temos instalado odoo como servizo.

Agora imolo instalar dende as fontes (source) seguindo a documentación oficial de Odoo

<https://www.odoo.com/documentation/13.0/setup/install.html#id7>

En canto ao usuario que se conectará a postgresql temos que ter en conta:

- Recordemos que cando instalamos o servizo de odoo. Creouse un usuario odoo. Que como vemos está configurado para non iniciar sesión no sistema (nologin)

```
antonio@ubu2004:~/PycharmProjects/odoo$ cat /etc/passwd | grep odoo
odoo:x:127:134:./var/lib/odoo:/usr/sbin/nologin
antonio@ubu2004:~/PycharmProjects/odoo$
```

- Na documentación usa o noso usuario do sistema (no meu caso antonio) para traballar con odoo

Como imos querer executar odoo na nosa máquina unhas veces como servizo(usuario odoo) e outras como comando(usuario antonio) ou dende o debug de pycharm(usuario antonio).

Nos atopamos con que imos traballar con 2 usuarios (odoo e antonio). E un non podería acceder as BBDD do outro e viceversa.

Por tanto imos cambiar un pouco a guía de instalación, coa intención de traballar sempre co **usuario odoo**.

1. Sempre que vaíamos executar odoo dende as fontes temos que **deter o servizo de odoo**, para evitar conflitos (cada vez que reiniciemos a nosa máquina automaticamente

se reinicia o servizo de odoo)

```
antonio@ubu2004:~/PycharmProjects/odoo$ sudo systemctl stop odoo
antonio@ubu2004:~/PycharmProjects/odoo$ sudo systemctl status odoo
● odoo.service - Odoo Open Source ERP and CRM
   Loaded: loaded (/lib/systemd/system/odoo.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Wed 2020-07-01 22:59:53 CEST; 11h ago
   Process: 719 ExecStart=/usr/bin/odoo --config /etc/odoo/odoo.conf --logfile /var/log/odoo/odoo-server.log (code=exited, status=0/SUCCESS)
   Main PID: 719 (code=exited, status=0/SUCCESS)

jul 01 22:53:53 ubu2004 systemd[1]: Started Odoo Open Source ERP and CRM.
jul 01 22:59:52 ubu2004 systemd[1]: Stopping Odoo Open Source ERP and CRM...
jul 01 22:59:52 ubu2004 odoo[719]: Warn: Can't find .pfh for face 'Times-Roman'
jul 01 22:59:53 ubu2004 systemd[1]: odoo.service: Succeeded.
jul 01 22:59:53 ubu2004 systemd[1]: Stopped Odoo Open Source ERP and CRM.
antonio@ubu2004:~/PycharmProjects/odoo$
```

2. O paso de clonar o código dende github deixámolo para despois, xa que faremolo dende Pycharm.

3. Comprobamos as versións de python3 e pip3. Como vemos pip3 non está instalado, instalámolo...

```
antonio@ubu2004:~$ python3 --version
Python 3.8.2
antonio@ubu2004:~$ pip3 --version
Non foi posíbel atopar a orde «pip3» pero pode instalarse con:

sudo apt install python3-pip

antonio@ubu2004:~$ sudo apt install python3-pip
[sudo] Contraseña de antonio:
Lendo as listas de paquetes... Feito
Construíndo a árbore de dependencias
Lendo a información do estado... Feito
Instalaranse os paquetes adicionais seguintes:
  libxpat1-dev libpython3.8-dev python-pip-whl python3-dev python3-setuptools python3-wheel python3.8-dev zlib1g-dev
Paquetes suxeridos:
  python-setuptools-doc
Os seguintes paquetes NOVOS hanse instalar:
  libxpat1-dev libpython3-dev libpython3.8-dev python-pip-whl python3-dev python3-pip python3-setuptools python3-wheel python3.8-dev zlib1g-dev
0 anovados, 10 instalados, Vanse retirar 0 e deixar 25 sen anovar.
Ten que recibir 7115 kB de arquivos.
Despois desta operación ocuparanse 27,0 MB de disco adicionais.
Quere continuar? [S/n]
Rcb:1 http://es.archive.ubuntu.com/ubuntu focal/main amd64 libxpat1-dev amd64 2.2.9-1build1 [116 kB]
```

Unha vez instalado comprobamos a versión de pip3 e instalamos só postgresql-client xa que postgresql xa o instalamos cando instalamos odoo como servizo

```
antonio@ubu2004:~$ pip3 --version
pip 20.0.2 from /usr/lib/python3/dist-packages/pip (python 3.8)
antonio@ubu2004:~$ sudo apt install postgresql-client
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias
Leyendo la información de estado... Hecho
Los paquetes indicados a continuación se instalaron de forma automática y ya no son necesarios.
  linux-headers-5.4.0-26 linux-headers-5.4.0-26-generic linux-image-5.4.0-26-generic
  linux-modules-5.4.0-26-generic linux-modules-extra-5.4.0-26-generic
Utilice «sudo apt autoremove» para eliminarlos.
Se instalarán los siguientes paquetes NUEVOS:
  postgresql-client
0 actualizados, 1 nuevos se instalarán, 0 para eliminar y 0 no actualizados.
Se necesita descargar 4.012 B de archivos.
Se utilizarán 67,6 kB de espacio de disco adicional después de esta operación.
Des:1 http://es.archive.ubuntu.com/ubuntu focal/main amd64 postgresql-client all 12+214 [4.012 B]
Descargados 4.012 B en 0s (14,3 kB/s)
Seleccionando el paquete postgresql-client previamente no seleccionado.
(Leyendo la base de datos ... 271465 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../postgresql-client_12+214_all.deb ...
Desempaquetando postgresql-client (12+214) ...
Configurando postgresql-client (12+214) ...
antonio@ubu2004:~$
```

3. Non imos crear o noso usuario xa que como dixen antes imos traballar cón usuario

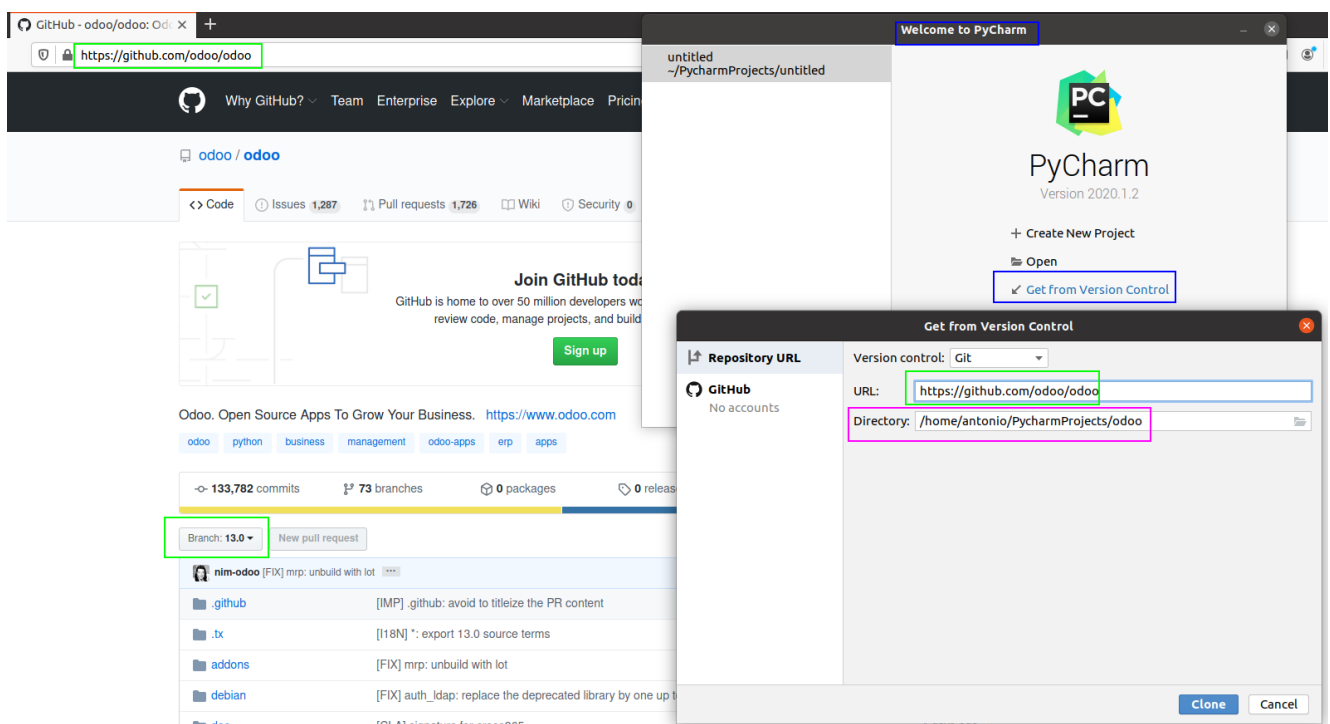
er non imos crear o noso add-on xa que, como dixen antes, imos traballar co add-on
'odoo' que se creou cando instalamos odoo como servizo

Clonar Odoo con Pycharm

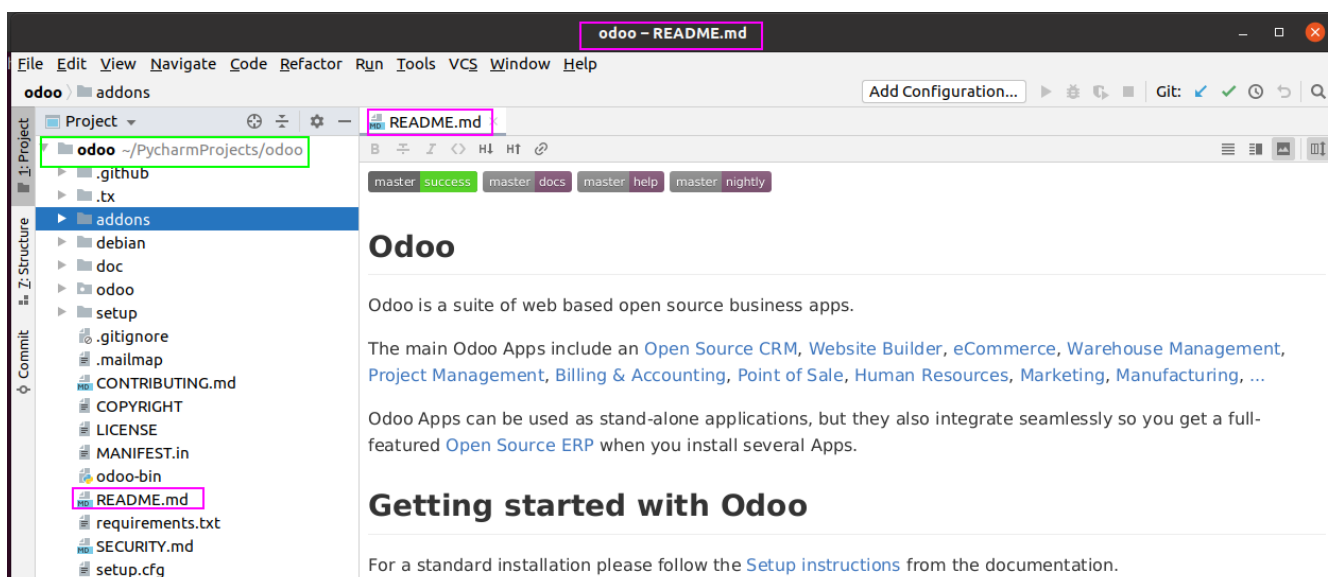
1. Imos clonar Odoo dende github:

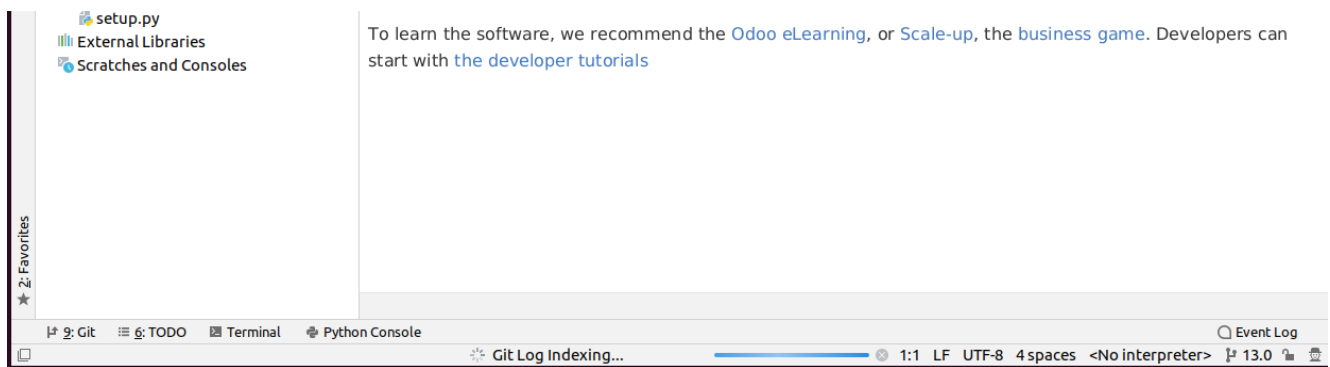
Vemos a web de github e usamos ese enderezo para poñer como URL (verde)

A ruta local onde se clonará será no noso cartafol de fontes de Pycharm(morado)

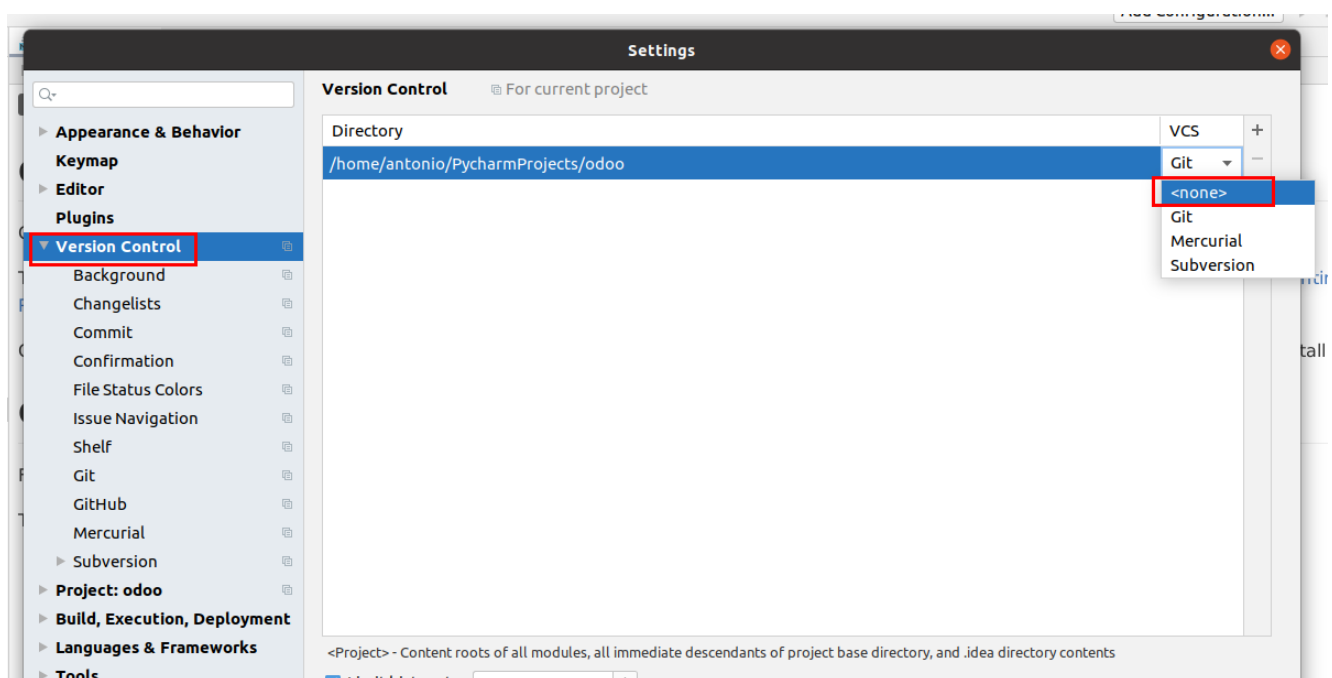
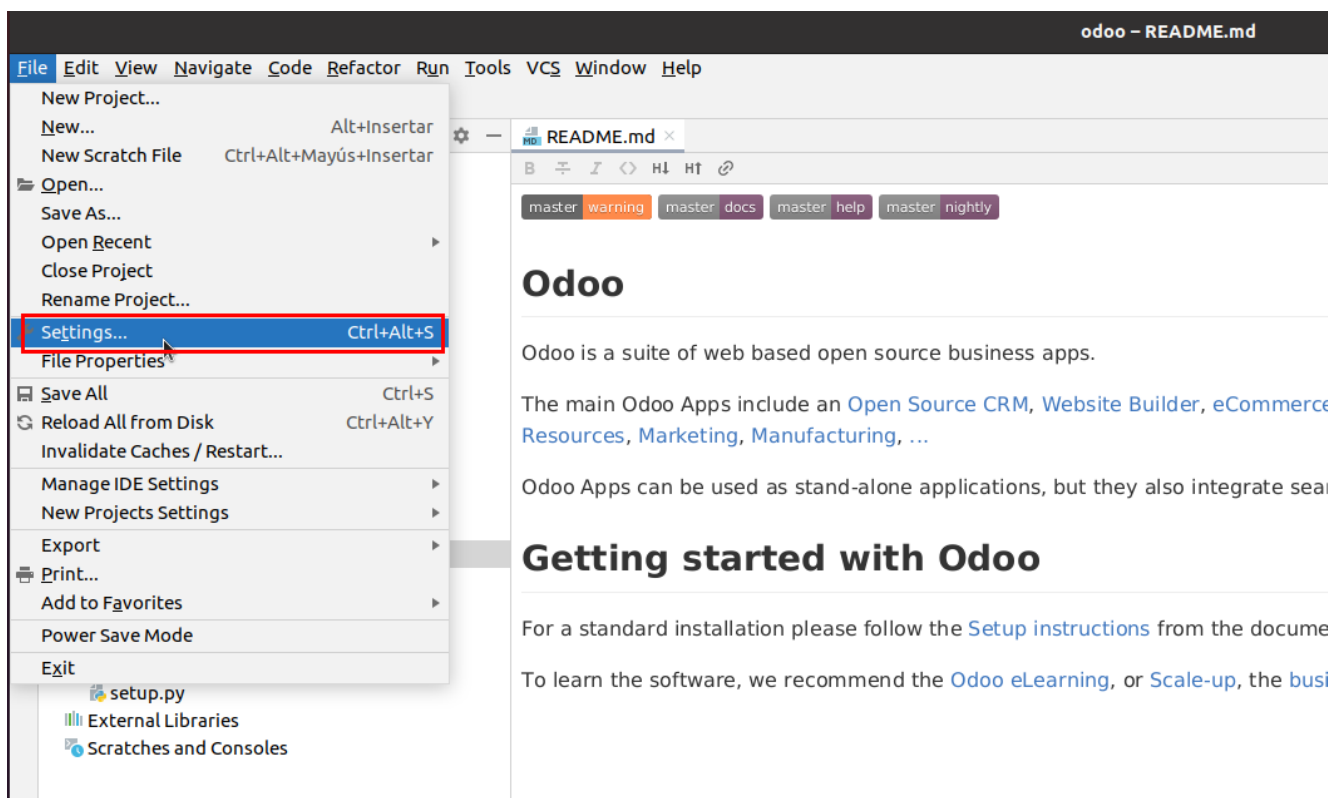


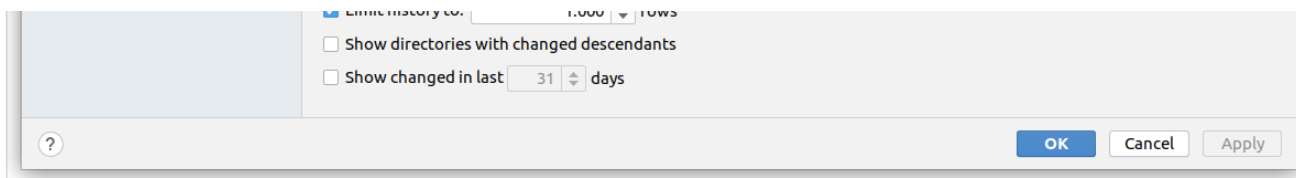
Unha vez rematado vemos o proxecto de Odoo(verde) na nosa ruta local ...





2. Agora que xa temos as fontes do proxecto odoo imos desconectar o proxecto odoo de git





Instalamos as dependencias e os requerimentos de Odoo

1. Instalamos as depedencias ...

```
antonio@ubu2004:~$ sudo apt install python3-dev libxml2-dev libxslt1-dev libldap2-dev libsasl2-dev
[sudo] Contraseiral de antonio:
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias
Lendo a información do estado... Feito
python3-dev xa é a versión máis recente (3.8.2-0ubuntu2).
python3-dev cambiado a instalado manualmente.
Instalaranse os paquetes adicionais seguintes:
  icu-devtools libicu-dev
Paquetes suxeridos:
  icu-doc
Os seguintes paquetes NOVOS hanse instalar:
  icu-devtools libicu-dev libldap2-dev libsasl2-dev libxml2-dev libxslt1-dev
0 anovados, 6 instalados, Vanse retirar 0 e deixar 25 sen anovar.
Ten que recibir 11,1 MB de arquivos.
Despois desta operación ocuparanse 53,3 MB de disco adicionais.
Quere continuar? [S/n]
```

2. Imos instalar os requerimentos de Odoo que como podemos ver están no arquivo requirements.txt onde figura o software necesario e a súa versión:

```
Abrir requirements.txt Guardar
~/PycharmProjects/odoo
1 Babel==2.6.0
2 chardet==3.0.4
3 decorator==4.3.0
4 docutils==0.14
5 ebaysdk==2.1.5
6 feedparser==5.2.1
7 gevent==1.1.2 ; sys_platform != 'win32' and python_version < '3.7'
8 gevent==1.3.7 ; sys_platform != 'win32' and python_version >= '3.7'
9 gevent==1.4.0 ; sys_platform == 'win32'
10 greenlet==0.4.10 ; python_version < '3.7'
11 greenlet==0.4.15 ; python_version >= '3.7'
12 html2text==2018.1.9
13 Jinja2==2.10.1
14 libsass==0.17.0
15 lxml==3.7.1 ; sys_platform != 'win32' and python_version < '3.7'
16 lxml==4.3.2 ; sys_platform != 'win32' and python_version >= '3.7'
17 lxml ; sys_platform == 'win32'
18 Mako==1.0.7
19 MarkupSafe==1.1.0
20 mock==2.0.0
21 num2words==0.5.6
22 ofxparse==0.19
23 passlib==1.7.1
24 Pillow==5.4.1 ; python_version < '3.7' or sys_platform != 'win32'
25 Pillow==6.1.0 ; sys_platform == 'win32' and python_version >= '3.7'
26 polib==1.1.0
27 psutil==5.6.6
28 pycopg2==2.7.7; sys_platform != 'win32' and python_version < '3.8'
--
```

```

29 pycopg2==2.8.3; sys_platform == 'win32' or python_version >= '3.8'
30 pydot==1.4.1
31 python-ldap==3.1.0; sys_platform != 'win32'
32 pyparsing==2.2.0
33 PyPDF2==1.26.0
34 pyserial==3.4
35 python-dateutil==2.7.3
36 pytz==2019.1
37 pyusb==1.0.2
38 qrcode==6.1
39 reportlab==3.5.13
40 requests==2.21.0
41 zeep==3.2.0
42 vatnumber==1.2
43 vobject==0.9.6.1
44 Werkzeug==0.14.1 ; sys_platform != 'win32'
45 Werkzeug==0.16.0 ; sys_platform == 'win32'

```

Instalamos os requirimentos de Odoo(azul). Para elo temos que situarnos no cartafol onde temos Odoo(verde)

```

antonio@ubu2004:~/PycharmProjects/odoo$ ls -l
total 108
drwxrwxr-x 336 antonio antonio 12288 Xuñ 22 13:20 addons
-rw-rw-r-- 1 antonio antonio 803 Xuñ 22 13:20 CONTRIBUTING.md
-rw-rw-r-- 1 antonio antonio 433 Xuñ 22 13:20 COPYRIGHT
drwxrwxr-x 3 antonio antonio 4096 Xuñ 22 13:20 debian
drwxrwxr-x 10 antonio antonio 4096 Xuñ 22 13:20 doc
-rw-rw-r-- 1 antonio antonio 43529 Xuñ 22 13:20 LICENSE
-rw-rw-r-- 1 antonio antonio 1491 Xuñ 22 13:20 MANIFEST.in
drwxrwxr-x 11 antonio antonio 4096 Xuñ 22 13:21 odoo
-rwxrwxr-x 1 antonio antonio 180 Xuñ 22 13:20 odoo-bin
-rw-rw-r-- 1 antonio antonio 2113 Xuñ 22 13:20 README.md
-rw-rw-r-- 1 antonio antonio 1290 Xuñ 22 13:21 requirements.txt
-rw-rw-r-- 1 antonio antonio 1734 Xuñ 22 13:20 SECURITY.md
drwxrwxr-x 4 antonio antonio 4096 Xuñ 22 13:21 setup
-rw-rw-r-- 1 antonio antonio 876 Xuñ 22 13:21 setup.cfg
-rw-rw-r-- 1 antonio antonio 1698 Xuñ 22 13:21 setup.py
antonio@ubu2004:~/PycharmProjects/odoo$ pip3 install setuptools wheel
Requirement already satisfied: setuptools in /usr/lib/python3/dist-packages (45.2.0)
Requirement already satisfied: wheel in /usr/lib/python3/dist-packages (0.34.2)
antonio@ubu2004:~/PycharmProjects/odoo$ pip3 install -r requirements.txt
Ignoring event: markers 'sys_platform != "win32" and python_version < "3.7"' don't match your environment
Ignoring event: markers 'sys_platform == "win32"' don't match your environment
Ignoring greenlet: markers 'python_version < "3.7"' don't match your environment
Ignoring lxml: markers 'sys_platform != "win32" and python_version < "3.7"' don't match your environment
Ignoring lxml: markers 'sys_platform == "win32"' don't match your environment
Ignoring Pillow: markers 'sys_platform == "win32" and python_version >= "3.7"' don't match your environment
Ignoring pycopg2: markers 'sys_platform != "win32" and python_version < "3.8"' don't match your environment
Ignoring pypiwin32: markers 'sys_platform == "win32"' don't match your environment

```

3. Xa empezamos!!! Temos un erro cando intenta compilar Pillow falta a libreria **libjpeg-dev**

```

Building wheel for ofxparse (setup.py) ... done
Created wheel for ofxparse: filename=ofxparse-0.19-py3-none-any.whl size=35349 sha256=25c0a0737e7797341c424df810a1fa31027017c941855df577ea85fc1528e412
Stored in directory: /home/antonio/.cache/pip/wheels/14/0d/47/c10b1c8fe71849e0623a0b99932ce289d5d90f9bdf017732
Building wheel for Pillow (setup.py) ... error
ERROR: Command errored out with exit status 1:
  command: /usr/bin/python3 -u -c 'import sys, setuptools, tokenize; sys.argv[0] = '"'/tmp/pip-install-r10fxtk9/pillow/setup.py'"'; __file__='"'/tmp/pip-install-r10fxtk9/pillow/setup.py'"'; f = open('"'/tmp/pip-install-r10fxtk9/pillow/setup.py'"', 'r'); code = compile(f.read(), __file__, 'exec'); exec(code, __dict__, __file__); exec(code, __dict__, __file__); f.close()'
  Complete output (174 lines):
  running bdist_wheel
  running build
  running build_py
  creating build
  creating build/lib.linux.x86_64.3.8
  creating build/lib.linux.x86_64.3.8/PIL
  creating build/lib.linux.x86_64.3.8/PIL/_imaging.py
  running build_ext
  warning: no previously-included files matching '*.pyc' found anywhere in distribution
  warning: no previously-included files matching '*.so' found anywhere in distribution
  writing manifest file 'src/Pillow.egg-info/SOURCES.txt'
  running build_ext
  The headers or library files could not be found for jpeg,
  a required dependency when compiling Pillow from source.

  Please see the install instructions at:
  https://pillow.readthedocs.io/en/latest/installation.html

```

```

warning: no previously-included files matching '*.pyc' found anywhere in distribution
warning: no previously-included files matching '*.so' found anywhere in distribution
writing manifest file 'src/Pillow.egg-info/SOURCES.txt'
running build_ext

```

```

The headers or library files could not be found for jpeg,
a required dependency when compiling Pillow from source.

```

```

Please see the install instructions at:

```

```

https://pillow.readthedocs.io/en/latest/installation.html

```



```
https://pillow.readthedocs.io/en/latest/installation.html
```

```
Traceback (most recent call last):
```

```
File "/tmp/pip-install-rl0fxtk9/Pillow/setup.py", line 765, in <module>
```

4. Para poder instalar Pillow necesitamos a librería **libjpeg-dev**. Instalámola ...

```
antonio@ubu2004:~/PycharmProjects/odoo$ sudo apt install -y libjpeg-dev
[sudo] Contraseña de antonio:
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias
Lendo a información do estado... Feito
Instalaranse os paquetes adicionais seguintes:
  libjpeg-turbo8-dev libjpeg8-dev
Os seguintes paquetes NOVOS hanse instalar:
  libjpeg-dev libjpeg-turbo8-dev libjpeg8-dev
0 anovados, 3 instalados, Vanse retirar 0 e deixar 2 sen anovar.
Sen que recibir 241 kB de arquivos.
Despois desta operación ocuparanse 1041 kB de disco adicionais.
Rcb:1 http://es.archive.ubuntu.com/ubuntu focal-updates/main amd64 libjpeg-turbo8-dev amd64 2.0.3-0ubuntu1.20.04.1 [238 kB]
Rcb:2 http://es.archive.ubuntu.com/ubuntu focal/main amd64 libjpeg8-dev amd64 8c-2ubuntu8 [1552 B]
Rcb:3 http://es.archive.ubuntu.com/ubuntu focal/main amd64 libjpeg-dev amd64 8c-2ubuntu8 [1546 B]
Obtivéronse 241 kB en 0s (550 kB/s)
Seleccionando o paquete libjpeg-turbo8-dev:amd64 non seleccionado anteriormente.
(A ler a base de datos ... 193993 ficheiros ou directorios instalados actualmente.)
Preparando o desempaquetado de .../libjpeg-turbo8-dev_2.0.3-0ubuntu1.20.04.1_amd64.deb...
Desempaquetando libjpeg-turbo8-dev:amd64 (2.0.3-0ubuntu1.20.04.1)...
Seleccionando o paquete libjpeg8-dev:amd64 non seleccionado anteriormente.
Preparando o desempaquetado de .../libjpeg8-dev_8c-2ubuntu8_amd64.deb...
Desempaquetando libjpeg8-dev:amd64 (8c-2ubuntu8)...
Seleccionando o paquete libjpeg-dev:amd64 non seleccionado anteriormente.
Preparando o desempaquetado de .../libjpeg-dev_8c-2ubuntu8_amd64.deb...
Desempaquetando libjpeg-dev:amd64 (8c-2ubuntu8)...
A configurar libjpeg-turbo8-dev:amd64 (2.0.3-0ubuntu1.20.04.1) ...
A configurar libjpeg8-dev:amd64 (8c-2ubuntu8) ...
A configurar libjpeg-dev:amd64 (8c-2ubuntu8) ...
```

5. Seguimos!!! Temos un erro cando intenta compilar psycpg2 falta a librería **libpq-dev**

```
Created wheel for psycpg2: filename=psycpg2-3.0.0-cp38-cp38-linux_x86_64.whl size=280290 sha256=43ede202009c800de7c22eb0515904b43210
Stored in directory: /home/antonio/.cache/pip/wheels/79/67/93/91114b71e0965edb2633d607d82bb5de75ad02e3d9d469ba17
Building wheel for psycpg2 (setup.py) ... error
ERROR: Command errored out with exit status 1:
  command: /usr/bin/python3 -u -c 'import sys, setuptools, tokenize; sys.argv[0] = '"'"'/tmp/pip-install-rl0fxtk9/psycpg2/setup.py
  getattr(tokenize, '"'"'open'"'"', open)(__file__, mode='r');code=f.read().replace('"'"'\r\n'"'"', '"'"'\n'"'"');f.close();exec(compile(code,
  cwd: /tmp/pip-install-rl0fxtk9/psycpg2/
  Complete output (40 lines):
  running bdist_wheel
  running build
  running build_ext
```

```
In file included from psycpg/psycpgmodule.c:27:
```

```
./psycpg/psycpg.h:35:10: fatal error: libpq-fe.h: No existe el archivo o el directorio
 35 | #include <libpq-fe.h>
    |          ^~~~~~
compilation terminated.
```

```
It appears you are missing some prerequisite to build the package from source.
```

```
You may install a binary package by installing 'psycpg2-binary' from PyPI.
```

```
If you want to install psycpg2 from source, please install the packages
required for the build and try again.
```

```
For further information please check the 'doc/src/install.rst' file (also at
<http://initd.org/psycpg/docs/install.html>).
```

6. Instalamos a librería **libpq-dev**

```
antonio@ubu2004:~/PycharmProjects/odoo$ sudo apt install libpq-dev
Lendo as listas de paquetes... Feito
Construindo a árbore de dependencias
Lendo a información do estado... Feito
Paquetes suxeridos:
  postgresql-doc-12
Os seguintes paquetes NOVOS hanse instalar:
  libpq-dev
0 anovados, 1 instalados, Vanse retirar 0 e deixar 2 sen anovar.
```

```
Ten que recibir 136 kB de arquivos.
Despois desta operación ocuparanse 582 kB de disco adicionais.
Rcb:1 http://es.archive.ubuntu.com/ubuntu focal/main amd64 libpq-dev amd64 12.2-4 [136 kB]
Obtivéronse 136 kB en 0s (301 kB/s)
Seleccionando o paquete libpq-dev non seleccionado anteriormente.
(A ler a base de datos ... 194014 ficheiros ou directorios instalados actualmente.)
Preparando o desempaquetado de .../libpq-dev_12.2-4_amd64.deb...
Desempaquetando libpq-dev (12.2-4)...
A configurar libpq-dev (12.2-4) ...
Procesando os disparadores de man-db (2.9.1-1)...
antonio@ubu2004:~/PycharmProjects/odoo$
```

6. Tentamos de novo instalar os requirimentos de odoo **pip3 install -r requirements.txt**

Vemos que agora xa instala os requirimentos correctamente:

```
Requirement already satisfied: psutil==5.6.6 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 27)) (5.6.6)
Collecting pycpg2==2.8.3
  Using cached pycpg2-2.8.3.tar.gz (377 kB)
Requirement already satisfied: pydot==1.4.1 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 30)) (1.4.1)
Requirement already satisfied: python-ldap==3.1.0 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 31)) (3.1.0)
Requirement already satisfied: pyparsing==2.2.0 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 32)) (2.2.0)
Requirement already satisfied: PyPDF2==1.26.0 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 33)) (1.26.0)
Requirement already satisfied: pyserial==3.4 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 34)) (3.4)
Requirement already satisfied: python-dateutil==2.7.3 in /usr/lib/python3/dist-packages (from -r requirements.txt (line 35)) (2.7.3)
Requirement already satisfied: pytz==2019.1 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 36)) (2019.1)
Requirement already satisfied: pyusb==1.0.2 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 37)) (1.0.2)
Requirement already satisfied: qrcode==6.1 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 38)) (6.1)
Requirement already satisfied: reportlab==3.5.13 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 39)) (3.5.13)
Requirement already satisfied: requests==2.21.0 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 40)) (2.21.0)
Requirement already satisfied: zeep==3.2.0 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 41)) (3.2.0)
Requirement already satisfied: vatnumber==1.2 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 42)) (1.2)
Requirement already satisfied: vobject==0.9.6.1 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 43)) (0.9.6.1)
Requirement already satisfied: Werkzeug==0.14.1 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 44)) (0.14.1)
Requirement already satisfied: XlsxWriter==1.1.2 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 45)) (1.1.2)
Requirement already satisfied: xlwt==1.3.* in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 46)) (1.3.0)
Requirement already satisfied: xlrd==1.1.0 in /home/antonio/.local/lib/python3.8/site-packages (from -r requirements.txt (line 47)) (1.1.0)
Requirement already satisfied: six in /usr/lib/python3/dist-packages (from libsass==0.17.0->-r requirements.txt (line 14)) (1.14.0)
Requirement already satisfied: pbr==0.11 in /home/antonio/.local/lib/python3.8/site-packages (from mock==2.0.0->-r requirements.txt (line 20)) (5.4.5)
Requirement already satisfied: beautifulsoup4 in /home/antonio/.local/lib/python3.8/site-packages (from ofxparse==0.19->-r requirements.txt (line 22)) (4.9.1)
Requirement already satisfied: pyasn1==0.3.7 in /home/antonio/.local/lib/python3.8/site-packages (from python-ldap==3.1.0->-r requirements.txt (line 31)) (0.4.8)
Requirement already satisfied: pyasn1-modules==0.1.5 in /home/antonio/.local/lib/python3.8/site-packages (from python-ldap==3.1.0->-r requirements.txt (line 31)) (0.2.8)
Requirement already satisfied: urllib3<1.25,>=1.21.1 in /home/antonio/.local/lib/python3.8/site-packages (from requests==2.21.0->-r requirements.txt (line 40)) (1.24.3)
Requirement already satisfied: idna<2.9,>=2.5 in /usr/lib/python3/dist-packages (from requests==2.21.0->-r requirements.txt (line 40)) (2.8)
Requirement already satisfied: certifi==2017.4.17 in /usr/lib/python3/dist-packages (from requests==2.21.0->-r requirements.txt (line 40)) (2019.11.28)
Requirement already satisfied: isodate==0.5.4 in /home/antonio/.local/lib/python3.8/site-packages (from zeep==3.2.0->-r requirements.txt (line 41)) (0.6.0)
Requirement already satisfied: appdirs==1.4.0 in /home/antonio/.local/lib/python3.8/site-packages (from zeep==3.2.0->-r requirements.txt (line 41)) (1.4.4)
Requirement already satisfied: requests-toolbelt==0.7.1 in /home/antonio/.local/lib/python3.8/site-packages (from zeep==3.2.0->-r requirements.txt (line 41)) (0.9.1)
Requirement already satisfied: defusedxml==0.4.1 in /home/antonio/.local/lib/python3.8/site-packages (from zeep==3.2.0->-r requirements.txt (line 41)) (0.6.0)
Requirement already satisfied: attrs==17.2.0 in /home/antonio/.local/lib/python3.8/site-packages (from zeep==3.2.0->-r requirements.txt (line 41)) (19.3.0)
Requirement already satisfied: cached-property==1.3.0 in /home/antonio/.local/lib/python3.8/site-packages (from zeep==3.2.0->-r requirements.txt (line 41)) (1.5.1)
Requirement already satisfied: python-stenum in /home/antonio/.local/lib/python3.8/site-packages (from vatnumber==1.2->-r requirements.txt (line 42)) (1.13)
Requirement already satisfied: soupsieve==1.2 in /home/antonio/.local/lib/python3.8/site-packages (from beautifulsoup4->ofxparse==0.19->-r requirements.txt (line 22)) (2.0.1)
Building wheels for collected packages: pycpg2
  Building wheel for pycpg2 (setup.py) ... done
  Created wheel for pycpg2: filename=pycpg2-2.8.3-cp38-cp38-linux_x86_64.whl size=502641 sha256=b91b445f7da217502f18f5a5d49d9553caa44524f187c3efdf2f78c762bb7145
  Stored in directory: /home/antonio/.cache/pip/wheels/9c/f4/9e/329d4de595958bf6cf7db89d6bc9adb3903dc1a52c651162
Successfully built pycpg2
Installing collected packages: pycpg2
Successfully installed pycpg2-2.8.3
antonio@ubu2004:~/PycharmProjects/odoo$
```

Executamos Odoo desde a liña de comandos

0. Recordemos que **ter o servizo de odoo detido**. Para elo detemos o servizo de odoo, para evitar conflitos (cada vez que reiniciemos a nosa máquina automaticamente se reinicia o servizo de odoo)

```
antonio@ubu2004:~/PycharmProjects/odoo$ sudo systemctl stop odoo
antonio@ubu2004:~/PycharmProjects/odoo$ sudo systemctl status odoo
● odoo.service - Odoo Open Source ERP and CRM
   Loaded: loaded (/lib/systemd/system/odoo.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Wed 2020-07-01 22:59:53 CEST; 11h ago
     Process: 719 ExecStart=/usr/bin/odoo --config /etc/odoo/odoo.conf --logfile /var/log/odoo/odoo-server.log (code=exited, status=0/SUCCESS)
    Main PID: 719 (code=exited, status=0/SUCCESS)

jul 01 22:53:53 ubu2004 systemd[1]: Started Odoo Open Source ERP and CRM.
jul 01 22:59:52 ubu2004 systemd[1]: Stopping Odoo Open Source ERP and CRM...
jul 01 22:59:52 ubu2004 odoo[719]: Warn: Can't find .pfb for face 'Times-Roman'
jul 01 22:59:53 ubu2004 systemd[1]: odoo.service: Succeeded.
jul 01 22:59:53 ubu2004 systemd[1]: Stopped Odoo Open Source ERP and CRM.
antonio@ubu2004:~/PycharmProjects/odoo$
```


1. Ejecutamos odoo desde la línea de comandos, pasamos como parametro a ruta onde están os addons de odoo e o arquivo de configuración.

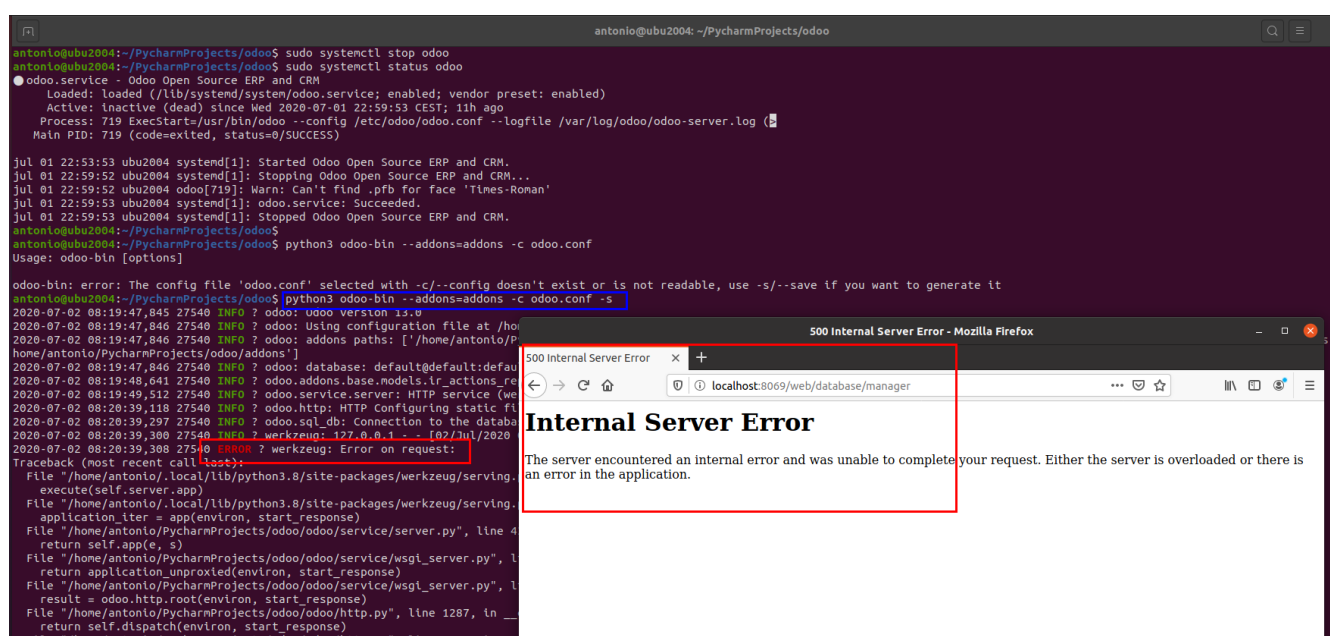
Vemos que nos da un erro xa que o arquivo de configuración non existe, pero nos indica que coa opción -s será creado

```
antonio@ubu2004:~/PycharmProjects/odoo$ python3 odoo-bin --addons=addons -c odoo.conf
Usage: odoo-bin [options]

odoo-bin: error: The config file 'odoo.conf' selected with -c/--config doesn't exist or is not readable, use -s/--save if you want to generate it
antonio@ubu2004:~/PycharmProjects/odoo$
```

2. Ejecutamos de novo pasandolle o parametro -s (azul)

Vemos que agora xa executa odoo pero cando queremos acceder dende o navegador web mediante **localhost:8069** temos un erro 500



The screenshot shows a terminal window where the user has installed Odoo using `python3 odoo-bin --addons=addons -c odoo.conf -s`. The terminal output shows the service starting successfully. However, when the user tries to access the Odoo web interface at `localhost:8069/web/database/manager` in a Mozilla Firefox browser, they receive a "500 Internal Server Error". The browser's error message states: "The server encountered an internal error and was unable to complete your request. Either the server is overloaded or there is an error in the application." The terminal window in the background shows a traceback for a `werkzeug: Error on request:`, indicating a database connection issue.

Agora que temos creado o arquivo `odoo.conf` imos preparalo para non ter erros.

3. Paramos a execución de odoo con **ctrl+c** e vemos o arquivo **odoo.conf**:

- Vemos que a ruta para os addons xa se almacena no arquivo co cal xa non a temos que pasar como parámetro, tampouco teremos que pasar o -s (que era para crear o arquivo `odoo.conf`)
- Entón a partir de agora o comando será **python3 odoo-bin -c odoo.conf**
- Imos facilitar no arquivo `odoo.conf` a información do usuario que se conecta ...

```
antonio@ubu2004:~/PycharmProjects/odoo$ cat odoo.conf
[options]
addons_path = /home/antonio/PycharmProjects/odoo/addons
admin_passwd = admin
csv_internal_sep = ,
data_dir = /home/antonio/PycharmProjects/odoo/data
```

```

data_dir = /home/antonio/.local/share/odoo
db_host = False
db_maxconn = 64
db_name = False
db_password = False
db_port = False
db_sslmode = prefer
db_template = template0
db_user = False
dbfilter =
demo = {}
email_from = False
geoip_database = /usr/share/GeoIP/GeoLite2-City.mmdb
http_enable = True
http_interface =
http_port = 8069
import_partial =
limit_memory_hard = 2684354560
limit_memory_soft = 2147483648
limit_request = 8192
limit_time_cpu = 60
limit_time_real = 120
limit_time_real_cron = -1
list_db = True
log_db = False
log_db_level = warning
log_handler = :INFO
log_level = info
logfile =
longpolling_port = 8072
max_cron_threads = 2
osv_memory_age_limit = 1.0
osv_memory_count_limit = False
pg_path =
pidfile =
proxy_mode = False
reportgz = False
screencasts =
screenshots = /tmp/odoo_tests
server_wide_modules = base,web
smtp_password = False

```

4. Modificamos **odoo.conf** para poñer que o usuario que se conecta é odoo(verde).

O **usuario odoo** crease cando instalamos odoo como servizo. É será o usuario que usaremos sempre para conectarnos a postresql.

Tanto cando executemos odoo como servizo como cando o executemos como comando ou dende o debug de Pycharm.

```

antonio@ubu2004:~/PycharmProjects/odoo$ cat odoo.conf
[options]
addons_path = /home/antonio/PycharmProjects/odoo/addons
admin_passwd = admin
csv_internal_sep = ,
data_dir = /home/antonio/.local/share/odoo

```

```
data_dir = /home/antonio/.local/share/odoo
db_host = False
db_maxconn = 64
db_name = False
db_password = False
db_port = False
db_sslmode = prefer
db_template = template0
db_user = odoo
dbfilter =
demo = {}
email_from = False
geoip_database = /usr/share/GeoIP/GeoLite2-City.mmdb
http_enable = True
http_interface =
http_port = 8069
import_partial =
limit_memory_hard = 2684354560
limit_memory_soft = 2147483648
limit_request = 8192
limit_time_cpu = 60
limit_time_real = 120
limit_time_real_cron = -1
list_db = True
log_db = False
log_db_level = warning
log_handler = :INFO
log_level = info
logfile =
longpolling_port = 8072
max_cron_threads = 2
osv_memory_age_limit = 1.0
osv_memory_count_limit = False
pg_path =
pidfile =
proxy_mode = False
reportgz = False
screencasts =
screenshots = /tmp/odoo_tests
server_wide_modules = base,web
smtp_password = False
smtp_port = 25
```

Para facilitar a conexión modificamos o arquivo **pg_hba.conf** que está na ruta `/etc/postgresql/12/main`

- Modificamos a liña onde se especifica a conexión en modo local cambiando peer por trust
- Comentamos a liña orixinal onde pon peer(morado) e engadimos a liña para trust(verde)
- Finalmente reiniciamos o servizo de postgresql para que teña en conta os cambios feitos no arquivo pg_hba.conf (amarelo)

```
antonio@ubu2004:~/PycharmProjects/odoo$ sudo cat /etc/postgresql/12/main/pg_hba.conf | grep local
```

<https://www.edu.xunta.gal/centros/iesteis/aulavirtual/p...>

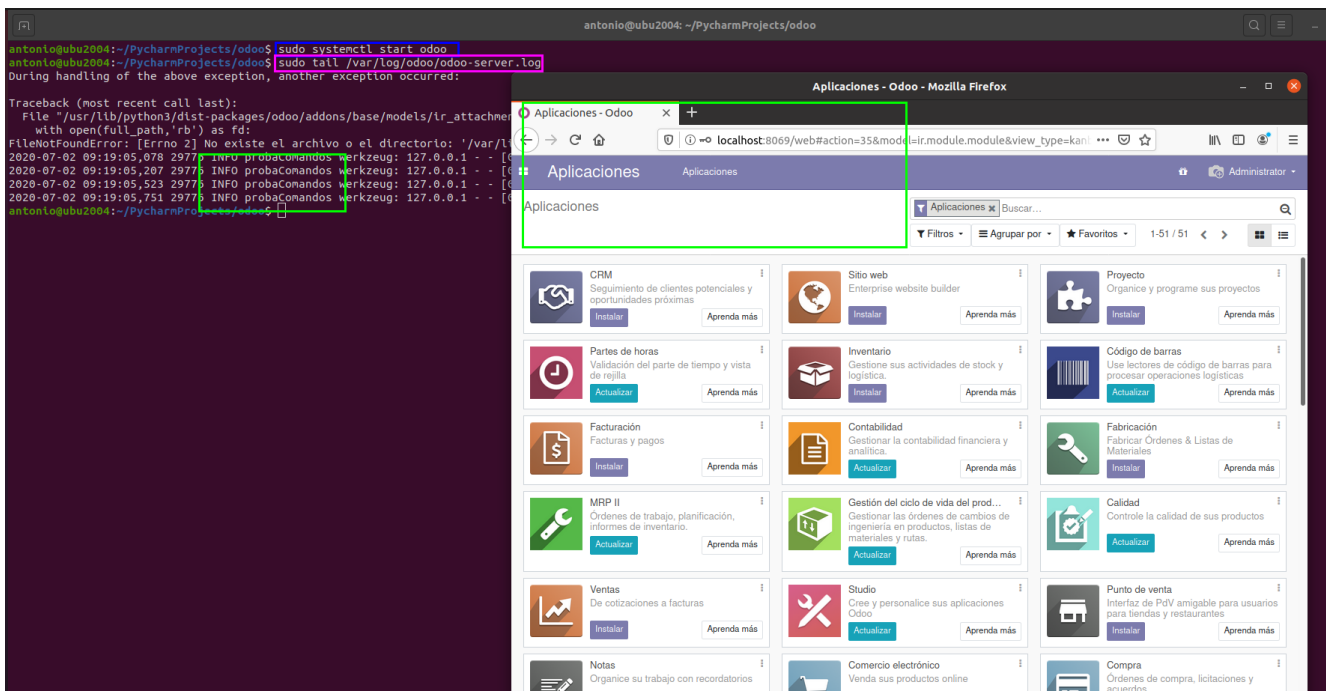
E vemos que agora xa funciona (pulsamos en Manage Databases), e aproveitamos para poñer a password para xestionar as BD(vermello)

5. Creamos unha BD nova(probaComandos). E comprobamos:

- Que ao lanzar odoo co comando `odoo-bin` temos acceso a BD(`proba0`) creada cando executamos **odoo como servizo**.



- E viceversa, paramos odoo con `ctrl+c` e reiniciamos o servizo de odoo(azul) e comprobamos no log (morado) que temos acceso a BD creada cando executamos odoo con **odoo-bin** (verde)



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