



SIST. GESTIÓN EMPRESARIAL

PRÁCTICA 02

Shaila Pérez Fernández

Instalación y configuración de sistemas ERP-CRM

Desarrollo de Aplicaciones Multiplataforma (DAM)

IES Juan José Calvo Miguel

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ACTIVIDAD 1. PARTE TEÓRICA

Instalación automática.

1. Obtener la clave del repositorio de Odoo

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

(wget descarga un archivo con la ruta y la descarga)

```
root@shailapf40SGE1819:~# wget -O - https://nightly.odoo.com/odoo.key | sudo apt-key add -
--2018-10-11 07:18:35-- 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

2018-10-11 07:18:36 (915 MB/s) - written to stdout [3112/3112]

OK
root@shailapf40SGE1819:~#
```

Sin sudo porque estoy como root.

2. Editar el archivo `/etc/apt/sources.list.d/odoo.list` (con el comando `nano`) e introducir la línea:

```
nano /etc/apt/sources.list.d/odoo.list
deb http://nightly.odoo.com/10.0/nightly/deb/ ./
```



Control `x + y`

3. Actualizar la lista de paquetes e instalar odoo

```
sudo apt-get update && sudo apt-get install odoo
```

separado por && ejecuta primero la primera instrucción y luego la segunda, es para encadenar dos instrucciones

```
n auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2man to provide /usr/bin/rst2man (rst2man) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2odt to provide /usr/bin/rst2odt (rst2odt) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2odt_prepstyles to provide /usr/bin/rst2odt_prepstyles (rst2odt_prepstyles) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2pseudoxml to provide /usr/bin/rst2pseudoxml (rst2pseudoxml) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2s5 to provide /usr/bin/rst2s5 (rst2s5) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2xetex to provide /usr/bin/rst2xetex (rst2xetex) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rst2xml to provide /usr/bin/rst2xml (rst2xml) in auto mode
update-alternatives: using /usr/share/docutils/scripts/python2/rstpep2html to provide /usr/bin/rstpep2html (rstpep2html) in auto mode
Setting up odoo (10.0.20181011) ...
Processing triggers for libc-bin (2.23-0ubuntu3) ...
Processing triggers for ureadahead (0.100.0-19) ...
Processing triggers for systemd (229-4ubuntu4) ...
root@shailapf40SGE1819:~#
```

4. Es necesario instalar el paquete `wkhtmltopdf` para poder generar PDFs desde Odoo. El problema es que no nos vale la versión que tenemos en los repositorios, es necesario instalar la versión 12.1. Descargamos el `.deb` correspondiente y lo instalamos.

```
sudo wget https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.1/wkhtmltox-0.12.1_linux-trusty-amd64.deb
```

```

HTTP request sent, awaiting response... 302 Found
Location: https://github-production-release-asset-2e65be.s3.amazonaws.com/271714/5994e43e-52db-11e7-9ac3-8a3242d22e90?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAK4CSVEH53A2F20181011&X-Amz-Date=20181011T072819Z&X-Amz-Expires=300&X-Amz-Signature=f7bb706d112602184fb9614b8cb011f3534297f9b6fb726e4aa9a412dac2741e4X-Amz-SignedHeaders=host&actor_id=0&response-content-disposition=attachment%3B%3Ffilename%3Dwkhtmltox-0.12.1_linux-trusty-amd64.deb&response-content-type=application%2Foctet-stream [following]
--2018-10-11 07:28:19-- https://github-production-release-asset-2e65be.s3.amazonaws.com/271714/5994e43e-52db-11e7-9ac3-8a3242d22e90?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAK4CSVEH53A2F20181011&X-Amz-Date=20181011T072819Z&X-Amz-Expires=300&X-Amz-Signature=f7bb706d112602184fb9614b8cb011f3534297f9b6fb726e4aa9a412dac2741e4X-Amz-SignedHeaders=host&actor_id=0&response-content-disposition=attachment%3B%3Ffilename%3Dwkhtmltox-0.12.1_linux-trusty-amd64.deb&response-content-type=application%2Foctet-stream
Resolving github-production-release-asset-2e65be.s3.amazonaws.com (github-production-release-asset-2e65be.s3.amazonaws.com)... 52.216.134.43
Connecting to github-production-release-asset-2e65be.s3.amazonaws.com (github-production-release-asset-2e65be.s3.amazonaws.com) [52.216.134.43]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 14166104 (14M) [application/octet-stream]
Saving to: 'wkhtmltox-0.12.1_linux-trusty-amd64.deb'

wkhtmltox-0.12.1_linux-trusty-amd64.deb      100%[=====] 13.51M  2.13MB/s   in 6.8s

2018-10-11 07:28:27 (1.99 MB/s) - 'wkhtmltox-0.12.1_linux-trusty-amd64.deb' saved [14166104/14166104]

root@shailapf40SGE1819:~#

```

sudo dpkg -i wkhtmltox-0.12.1_linux-trusty-amd64.deb

```

wkhtmltox-0.12.1_linux-trusty-amd64.deb      100%[=====] 13.51M  2.13MB/s   in 6.8s

2018-10-11 07:28:27 (1.99 MB/s) - 'wkhtmltox-0.12.1_linux-trusty-amd64.deb' saved [14166104/14166104]

root@shailapf40SGE1819:~# dpkg -i wkhtmltox-0.12.1_linux-trusty-amd64.deb
Selecting previously unselected package wkhtmltox.
(Reading database ... 45895 files and directories currently installed.)
Preparing to unpack wkhtmltox-0.12.1_linux-trusty-amd64.deb ...
Unpacking wkhtmltox (0.12.1) ...
Setting up wkhtmltox (0.12.1) ...
Processing triggers for man-db (2.7.5-1) ...
root@shailapf40SGE1819:~#

```

Sin el sudo, esta orden sirve para bajar un dev a mano de una dirección y lo instalamos manualmente. Cuando no tenemos el repositorio en Ubuntu.

Ahora vamos a: <http://192.168.3.61:8069/web/database/selector>



Odoo is up and running!

Create a new database by filling out the form, you'll be able to install your first app in a minute.

Database Name

Email

Password

Language

Country

☐ Load demonstration data (Check this box to evaluate Odoo)

Create database

or restore a database

Da el error:

Database creation error: new encoding (UTF8) is incompatible with the encoding of the template database (SQL_ASCII) HINT: Use the same encoding as in the template database, or use template0 as template.

Debemos cambiar el encoding de la plantilla por defecto utilizada en postgres. Para ello, deberás ejecutar los siguientes comandos:

```
sudo -u postgres psql postgres
```

```
update pg_database set datallowconn = TRUE where datname = 'template0';
```

```
\c template0
```

```
update pg_database set datistemplate = FALSE where datname = 'template1';
```

```
drop database template1;
```

```
create database template1 with template = template0 encoding = 'UTF8';
```

```
update pg_database set datistemplate = TRUE where datname = 'template1';
```

```
\c template1
```

```
update pg_database set datallowconn = FALSE where datname = 'template0';
```

```
root@shailapf40SGE1819:~# sudo -u postgres psql postgres
could not change directory to "/root": Permission denied
psql (9.5.14)
Type "help" for help.

postgres=# update pg_database set datallowconn = TRUE where datname = 'template0';
UPDATE 1
postgres=# \c template0
You are now connected to database "template0" as user "postgres".
template0=# update pg_database set datistemplate = FALSE where datname = 'template1';
UPDATE 1
template0=# drop database template1;
DROP DATABASE
template0=# create database template1 with template = template0 encoding = 'UTF8';
CREATE DATABASE
template0=# update pg_database set datistemplate = TRUE where datname = 'template1';
UPDATE 1
template0=# \c template1
You are now connected to database "template1" as user "postgres".
template1=# update pg_database set datallowconn = FALSE where datname = 'template0';
UPDATE 1
template1=# \q
```

Vamos a:



Odoo is up and running!
Create a new database by filling out the form, you'll be able to install your first app in a minute.

Database Name

Email

Password

Language

Country

☐ Load demonstration data (Check this box to evaluate Odoo)

[Create database](#) or [restore a database](#)

Y creamos la cuenta:

Aplicaciones Configuración

Administración

odoo

Aplicaciones Actualizaciones

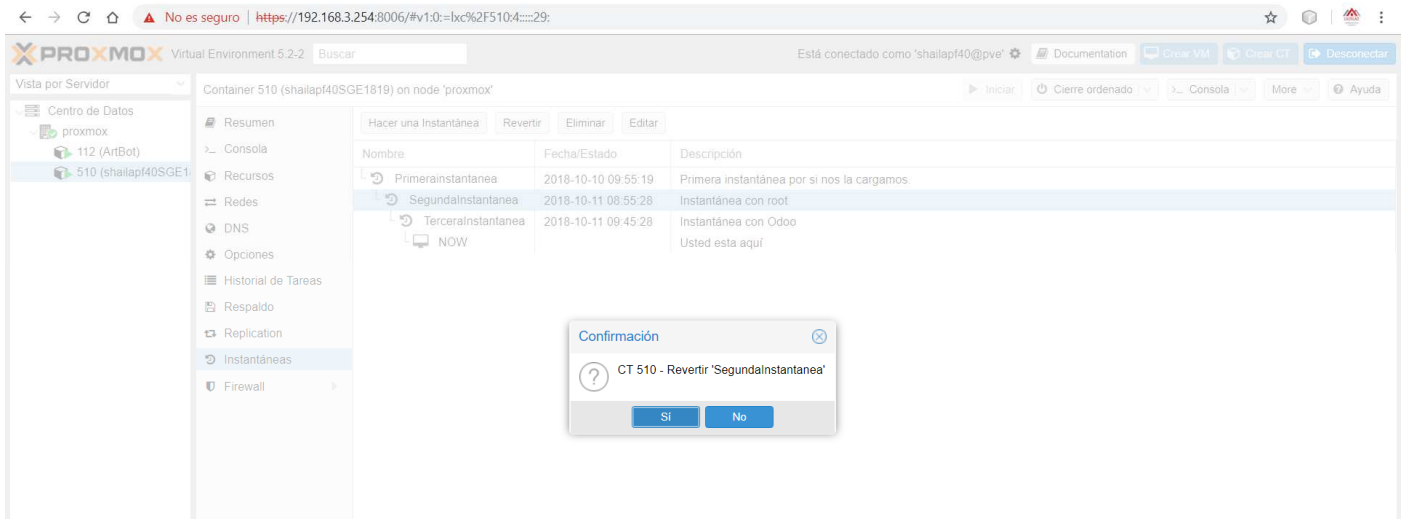
Con tecnología de Odoo

Aplicaciones

Aplicaciones Buscar...

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CRM Iniciativas, oportunidades, actividades Instalar	Proyecto Proyectos, tareas Instalar	Gestión de inventario Inventario, Logística, Almacenes Instalar	Fabricación Órdenes de fabricación, listas de materiales, rutas de producción Instalar
Ventas Presupuestos, pedidos de venta, facturación Instalar	Punto de venta Interfaz de pantalla táctil para tiendas Instalar	Partes de horas Instalar	Debates Discusiones, listas de correo, noticias Instalar
Gestión de ausencias Vacaciones, asignaciones y peticiones de ausencia Instalar	Facturación Enviar facturas y gestionar pagos Instalar	Contabilidad y finanzas Contabilidad financiera y analítica Instalar	Seguimiento de incidencia Soporte, gestión de errores, mesa de ayuda Instalar
Productividad Notas fijadas, colaborativos, memorándums Instalar	Constructor de sitios web Construya su sitio web corporativo Instalar	Tienda del sitio web Venda sus productos en línea Instalar	Gestión de compras Órdenes de Compra, Recepciones, Facturas de Proveedor Instalar
Directorio de Empleados Trabajos, departamentos y detalles de empleados Instalar	Asistencias Gestiona asistencia de empleado Instalar	Proceso de selección Puestos de trabajo, reclutamiento, solicitudes, entrevistas de trabajo Instalar	Control de gastos Validación de gastos, facturación Instalar
Tableros Crea tu tablero personalizado Instalar	Directorio de contactos Clientes, proveedores, empresas, ... Instalar	Planificación Crear encuestas, recabar respuestas e imprimir estadísticas Instalar	Campañas de envíos masivos Diseñar, enviar y gestionar correos electrónicos Instalar



INSTALACIÓN MANUAL.

INSTALACIÓN DE DEPENDENCIAS.

Lo primero que haremos será instalar las dependencias necesarias para instalar Odoo.

```
sudo apt-get -yq install adduser postgresql-client python-dateutil python-docutils python-feedparser python-jinja2 python-ldap python-libxslt1 python-lxml python-mako python-mock python-openid python-psycopg2 python-psutil python-pybabel python-pychart python-pydot python-pyparsing python-reportlab python-simplejson python-tz python-unittest2 python-vatnumber python-vobject python-webdav python-werkzeug python-xlwt python-yaml python-zsi poppler-utils python-pip python-pypdf python-passlib python-decorator gcc python-dev libxml2-dev libxslt-dev libsasl2-dev libldap2-dev libssl-dev libpq-dev libjpeg-dev libjpeg8-dev python-setuptools python-markupsafe python-reportlab-accel python-zsi python-yaml python-argparse python-openssl python-egenix-mxdatetime python-usb python-serial lptools make python-pydot python-psutil python-paramiko poppler-utils python-pdftools antiword python-requests python-xlswriter python-suds python-software-properties
```

Si con lo anterior faltan archivos hay que hacer un update (update actualiza los paquetes disponibles, luego hay que volver a instalar)

apt-get update

Hay que volver a instalarlo todo:

```
sudo apt-get -yq install adduser postgresql-client python-dateutil python-docutils python-feedparser python-jinja2 python-ldap python-libxslt1 python-lxml python-mako python-mock python-openid python-psycopg2 python-psutil python-pybabel python-pychart python-pydot python-pyparsing python-reportlab python-simplejson python-tz python-unittest2 python-vatnumber python-vobject python-webdav python-werkzeug python-xlwt python-yaml python-zsi poppler-utils python-pip python-pypdf python-passlib python-decorator gcc python-dev libxml2-dev libxslt-dev libsasl2-dev libldap2-dev libssl-dev libpq-dev libjpeg-dev libjpeg8-dev python-setuptools python-markupsafe python-reportlab-accel python-zsi python-yaml python-argparse python-openssl python-egenix-mxdatetime python-usb python-serial lptools make python-pydot python-psutil python-paramiko poppler-utils python-pdftools antiword python-requests python-xlswriter python-suds python-software-properties
```

```
E: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?
root@shailapf40SGE1819:~# apt-get update
Get:1 http://archive.ubuntu.com/ubuntu xenial InRelease [247 kB]
```

```
Get:23 http://archive.ubuntu.com/ubuntu xenial-security/universe amd64 Packages [387 kB]
Get:24 http://archive.ubuntu.com/ubuntu xenial-security/universe Translation-en [147 kB]
Get:25 http://archive.ubuntu.com/ubuntu xenial-security/multiverse amd64 Packages [3460 B]
Get:26 http://archive.ubuntu.com/ubuntu xenial-security/multiverse Translation-en [1744 B]
Fetched 17.9 MB in 10s (1774 kB/s)
Reading package lists... Done
root@shailapf40SGE1819:~# ^C
root@shailapf40SGE1819:~#
```

INSTALACIÓN DE WKHTMLTOPDF.

El paquete wkhtmltopdf es el encargado de generar los informes en pdf a partir del código html, esta librería introduce cambios en las distintas versiones, y actualmente en Odoo es importante que se instale la versión 12.1, ya que con otras versiones puedes encontrar problemas a la hora de renderizar css o cargar subinformes:

No funciona el que trae la web usar el anterior, en la instalación manual:

```
sudo wget https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.1/wkhtmltox-0.12.1_linux-trusty-amd64.deb
```

INSTALACIÓN DE NPM LESS.

Para que funcione correctamente el servidor web es necesario instalar npm y su paquete less.

```

root@shailapf40SGE1819:~# sudo wget https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.1
--2018-10-11 08:10:26-- https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.1/wkhtmltox-
Resolving github.com (github.com)... 192.30.253.113, 192.30.253.112
Connecting to github.com (github.com)|192.30.253.113|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://github-production-release-asset-2e65be.s3.amazonaws.com/271714/5994e43e-52db-11e7-9ac1%2Fus-east-1%2Fs3%2Faws4_request%2X-Amz-Date=20181011T081027Z%2X-Amz-Expires=300%2X-Amz-Signature=ff52d27bf877d24e359035ce5ddcdbc5a901fae5509fd%3B%20filename%3Dwkhtmltox-0.12.1_linux-trusty-amd64.deb&response-content-type=application%2Foctet-stream [following]
--2018-10-11 08:10:27-- https://github-production-release-asset-2e65be.s3.amazonaws.com/271714/5994e43cH53At2F20181011%2Fus-east-1%2Fs3%2Faws4_request%2X-Amz-Date=20181011T081027Z%2X-Amz-Expires=300%2X-Amz-Signature=ff52d27bf877d24e359035ce5ddcdbc5a901fae5509fd%3B%20filename%3Dwkhtmltox-0.12.1_linux-trusty-amd64.deb&response-content-type=application%2Foctet-stream
Resolving github-production-release-asset-2e65be.s3.amazonaws.com (github-production-release-asset-2e65be.s3.amazonaws.com) (github-production-release-asset-2e65be.s3.amazonaws.com)... 192.30.253.113, 192.30.253.112
Connecting to github-production-release-asset-2e65be.s3.amazonaws.com (github-production-release-asset-2e65be.s3.amazonaws.com)|192.30.253.113|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 14166104 (14M) [application/octet-stream]
Saving to: 'wkhtmltox-0.12.1_linux-trusty-amd64.deb'

wkhtmltox-0.12.1_linux-trusty-amd64.deb 100%[=====] 13.51M 4.04MB/s in 3.9s

2018-10-11 08:10:32 (3.48 MB/s) - 'wkhtmltox-0.12.1_linux-trusty-amd64.deb' saved [14166104/14166104]

root@shailapf40SGE1819:~#

```

```
sudo apt-get -yq install npm
sudo ln -s /usr/bin/nodejs /usr/bin/node
sudo npm install -g less less-plugin-clean-css
```

Por lo visto no hice este paso:

Instalación de npm less

Para que funcione correctamente el servidor web es necesario instalar npm y su paquete less.

```
sudo apt-get -yq install npm
sudo ln -s /usr/bin/nodejs /usr/bin/node
sudo npm install -g less less-plugin-clean-css
```

```
Setting up node-lockfile (0.4.1-1) ...
Setting up node-mute-stream (0.0.4-1) ...
Setting up node-normalize-package-data (0.2.2-1) ...
Setting up node-read (1.0.5-1) ...
Setting up node-read-package-json (1.2.4-1) ...
Setting up node-retry (0.6.0-1) ...
Setting up node-sha (1.2.3-1) ...
Setting up node-slide (1.1.4-1) ...
Setting up npm (3.5.2-0ubuntu4) ...
Processing triggers for libc-bin (2.23-0ubuntu3) ...
root@shailapf40SGE1819:~#
```

INSTALACIÓN DE PILLOW.

Si da problemas a la hora de instalar datos demo con el procesamiento de imágenes, esto se puede solucionar con la instalación del paquete python de Pillow.

```
pip install --no-cache-dir -I pillow
```


Pip se utiliza para descargar e instalar módulos de Python.

(Puede que no lo tengas instalado:

apt install python-pip

```
)
root@shailapf40SGE1819:~# pip install --no-cache-dir -I pillow
Collecting pillow
  Downloading https://files.pythonhosted.org/packages/9a/f6/3b3c92c5c75cae471e02fb584136168d732e17ae9db2d21c5dc82f9790f8/Pillow-5.3.0-cp27-cp27mu-manylinux1_x86_64.whl (2.0MB)
    100% |#####| 2.0MB 5.2MB/s
Installing collected packages: pillow
Successfully installed pillow-5.3.0
You are using pip version 8.1.1, however version 18.1 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
root@shailapf40SGE1819:~#
```

En root hay que crear el usuario odoo con:

Adduser odoo

Y luego en postgres:

createuser -P -s -e odoo

```
postgres=# createuser -P -s -e odoo;
SELECT * FROM pg_user;
ERROR:  syntax error at or near "createuser"
LINE 1: createuser -P -s -e odoo;
       ^

username | usesysid | usecreatedb | usesuper | userepl | usebypassrls | passwd | valuntil | useconfig
-----+-----+-----+-----+-----+-----+-----+-----+-----
postgres |      10 | t           | t        | t       | t           | ***** |          | 
odoo      |   16385 | f           | f        | f       | f           | ***** |          | 
(2 rows)

postgres=# \q
postgres@shailapf40SGE1819:/root$ createuser -P -s -e odoo
could not change directory to "/root": Permission denied
Enter password for new role:
Enter it again:
SELECT pg_catalog.set_config('search_path', '', false)
CREATE ROLE odoo PASSWORD 'md5039b285724b3f3f29799d6d39a22fb2d' SUPERUSER CREATEDB CREATEROLE INHERIT LOGIN;
createuser: creation of new role failed: ERROR:  role "odoo" already exists
postgres@shailapf40SGE1819:/root$ dropuser odoo
could not change directory to "/root": Permission denied
postgres@shailapf40SGE1819:/root$ createuser -P -s -e odoo
could not change directory to "/root": Permission denied
Enter password for new role:
Enter it again:
SELECT pg_catalog.set_config('search_path', '', false)
CREATE ROLE odoo PASSWORD 'md5039b285724b3f3f29799d6d39a22fb2d' SUPERUSER CREATEDB CREATEROLE INHERIT LOGIN;
postgres@shailapf40SGE1819:/root$ cd /home
postgres@shailapf40SGE1819:/home$ ls
odoo
postgres@shailapf40SGE1819:/home$
```

INSTALACIÓN DE POSTGRES.

En este paso debemos instalar el servidor y crear un usuario para conectarnos. Para instalar el servidor de postgresql:

sudo su postgres

createuser -P -s -e odoo

-P → que te pregunte el password

-s → que el usuario tenga privilegios para crear nuevas bases de datos en el servidor.

-e → Devuelve el comando a la consola para que veamos que todo ha ido bien.

INSTALAR UN SERVIDOR DE BASE DE DATOS POSTGRES.

\$ sudo apt-get install postgresql

\$ sudo passwd postgres

(La contraseña es odoo)

(crea tmb un usuario postgres, sirve para acceder a la base de datos, es el admon del postgres, si nos conectamos como postgres, iniciar sesión su postgres pide la contraseña que por defecto no tiene contraseña, hay que ponerse).

Comprobar actualizaciones
\$ sudo apt-get update

Comprobar el acceso local al servidor postgres.
conectar: su postgres
psql (cliente bbdd)

OBTENER EL CÓDIGO DE ODOO

Si lo descargamos desde git será más sencillo de actualizar. Para instalar git

```
sudo apt-get install git
```

Para descargar el código.

```
su - odoo
```

```
git clone https://github.com/Odoo/odoo.git --depth 1 --branch 10.0 --single-branch odoo  
exit
```

```
root@shailapf40SGE1819:~# sudo apt-get install git  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  git-man liberror-perl  
Suggested packages:  
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk gitweb git-arch git-cvs git-mediawiki  
  git-svn  
The following NEW packages will be installed:  
  git git-man liberror-perl  
0 upgraded, 3 newly installed, 0 to remove and 190 not upgraded.  
Need to get 3914 kB of archives.  
After this operation, 25.6 MB of additional disk space will be used.  
  
odoo@shailapf40SGE1819:~$ git clone https://github.com/Odoo/odoo.git --depth 1 --branch 10.0  
Cloning into 'odoo'...  
remote: Enumerating objects: 24181, done.  
remote: Counting objects: 100% (24181/24181), done.  
remote: Compressing objects: 100% (18765/18765), done.  
remote: Total 24181 (delta 7702), reused 11457 (delta 4665), pack-reused 0  
Receiving objects: 100% (24181/24181), 116.42 MiB | 6.88 MiB/s, done.  
Resolving deltas: 100% (7702/7702), done.  
Checking connectivity... done.  
Checking out files: 100% (21980/21980), done.  
odoo@shailapf40SGE1819:~$
```

INSTALAR REQUISITOS PYTHON

```
pip install -r /home/odoo/odoo/requirements.txt
```

```
You have new mail.  
Last login: Thu Oct 11 15:46:02 2018 from 192.168.3.219  
root@shailapf40SGE1819:~# pip install -r /home/odoo/odoo/requirements.txt  
Requirement already satisfied (use --upgrade to upgrade): Babel==2.3.4 in /usr/local/lib/python2.7/dist-packages (from  
-r /home/odoo/odoo/requirements.txt (line 1))  
Requirement already satisfied (use --upgrade to upgrade): decorator==4.0.10 in /usr/local/lib/python2.7/dist-packages  
(from -r /home/odoo/odoo/requirements.txt (line 2))  
Requirement already satisfied (use --upgrade to upgrade): docutils==0.12 in /usr/lib/python2.7/dist-packages (from -r  
/home/odoo/odoo/requirements.txt (line 3))  
Requirement already satisfied (use --upgrade to upgrade): ebaysdk==2.1.4 in /usr/local/lib/python2.7/dist-packages (fr  
om -r /home/odoo/odoo/requirements.txt (line 4))  
Requirement already satisfied (use --upgrade to upgrade): feedparser==5.2.1 in /usr/local/lib/python2.7/dist-packages  
(from -r /home/odoo/odoo/requirements.txt (line 5))  
Requirement already satisfied (use --upgrade to upgrade): gevent==1.1.2 in /usr/local/lib/python2.7/dist-packages (fro  
m -r /home/odoo/odoo/requirements.txt (line 6))  
Requirement already satisfied (use --upgrade to upgrade): greenlet==0.4.10 in /usr/local/lib/python2.7/dist-packages (  
from -r /home/odoo/odoo/requirements.txt (line 7))  
Requirement already satisfied (use --upgrade to upgrade): setuptools in /usr/lib/python2.7/dist-packages (from python-  
ldap==2.4.27->-r /home/odoo/odoo/requirements.txt (line 26))  
You are using pip version 8.1.1, however version 18.1 is available.  
You should consider upgrading via the 'pip install --upgrade pip' command.  
root@shailapf40SGE1819:~#
```

OBTENER EL CÓDIGO DE ODOO

Para instalar git.

```
apt-get install git
```

```
root@shailapf40SGE1819:~# apt-get install git
Reading package lists... Done
Building dependency tree
Reading state information... Done
git is already the newest version (1:2.7.4-0ubuntu1.4).
0 upgraded, 0 newly installed, 0 to remove and 190 not upgraded.
```

Para descargar el código

```
su - odoo
```

```
git clone https://github.com/Odoo/odoo.git --depth 1 --branch 10.0 --single-branch odoo
exit
```

```
root@shailapf40SGE1819:~# cd odoo
-bash: cd: odoo: No such file or directory
root@shailapf40SGE1819:~# su - odoo
odoo@shailapf40SGE1819:~$ cd odoo/
odoo@shailapf40SGE1819:~/odoo$ ls
CONTRIBUTING.md  LICENSE      Makefile     addons      doc          odoo-bin     setup        setup.py
COPYRIGHT        MANIFEST.in README.md    debian      odoo         requirements.txt setup.cfg
odoo@shailapf40SGE1819:~/odoo$
```

Directorio importante cd addons/ tiene todos los módulos para usarlos después.
INSTALAR REQUISITOS PYTHON

```
pip install -r /home/odoo/odoo/requirements.txt
```

CONFIGURACIÓN DE ODOO

```
su odoo
```

```
nano /home/odoo/odoo-server.conf
```

Hay que modificar la ruta (ya está hecho)

```
[options]
```

```
admin_passwd = admin
```

```
xmlrpc = True
```

```
xmlrpc_port = 8069
```

```
db_host = 127.0.0.1
```

```
db_port = 5432
```

```
db_user = odoo
```

```
db_password = odoo
```

```
addons_path = /home/odoo/odoo/addons
```

```
GNU nano 2.5.3

[options]
admin_passwd = admin

xmlrpc = True
xmlrpc_port = 8069

db_host = 127.0.0.1
db_port = 5432
db_user = odoo
db_password = odoo

addons_path = /home/odoo/odoo/addons
```

Control x para guardar.

Con este fichero podremos lanzar odoo con:

```
/home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
```

```
odoo@shailapf40SGE1819:~/odoo$ /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
2018-10-11 16:15:07,343 547 INFO ? odoo: Odoo version 10.0
2018-10-11 16:15:07,343 547 INFO ? odoo: Using configuration file at /home/odoo/odoo-server.conf
2018-10-11 16:15:07,343 547 INFO ? odoo: addons paths: ['/home/odoo/.local/share/Odoo/addons/10.0', u'/home/odoo/odoo/addons', '/home/odoo/odoo/odoo/addons']
2018-10-11 16:15:07,343 547 INFO ? odoo: database: odoo@127.0.0.1:5432
2018-10-11 16:15:07,357 547 INFO ? odoo.service.server: HTTP service (werkzeug) running on shailapf40SGE1819.pec.local:8069
```

Para configurar Odoo como un servicio para que arranque automáticamente al inicio de la máquina. Para ello, tendremos que utilizar el sistema Systemd de Ubuntu.

```
nano /etc/systemd/system/odoo10.service
```

```
[Unit]
Description=Odoo

[Service]
Type=simple
User=odoo
ExecStart=/home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf

[Install]
WantedBy=default.target
```

Control x para guardar.

Para parar y arrancar el servicio manualmente podemos usar:

```
systemctl start odoo10.service
```

```
systemctl stop odoo10.service
```

Si queremos comprobarlo:

```
ps aux | grep odoo
```

```
root@shailapf40SGE1819:~# nano /etc/systemd/system/odoo10.service
root@shailapf40SGE1819:~# systemctl start odoo10.service
root@shailapf40SGE1819:~# ps aux | grep odoo
root      502  0.0  0.5 49344 3040 ?        S    16:06   0:00 su - odoo
odoo      503  0.0  0.8 19412 4388 ?        S    16:06   0:00 -su
root      521  0.0  0.5 49344 3048 ?        S    16:09   0:00 su odoo
odoo      522  0.0  0.8 19416 4432 ?        S    16:09   0:00 bash
odoo      547  0.0 11.7 464832 61536 ?       Sl   16:15   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
odoo      600  0.0 11.8 465304 61984 ?       Ssl  16:22   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
root      608  0.0  0.1 11288   960 pts/3    S+   16:23   0:00 grep --color=auto odoo
```

Habilitamos el servicio para que se arranque al inicio:

```
systemctl enable odoo10.service
```

```
systemctl disable odoo10.service
```

```
root@shailapf40SGE1819:~# ps aux | grep odoo
root      502  0.0  0.5 49344 3040 ?        S    16:06   0:00 su - odoo
odoo      503  0.0  0.8 19412 4388 ?        S    16:06   0:00 -su
root      521  0.0  0.5 49344 3048 ?        S    16:09   0:00 su odoo
odoo      522  0.0  0.8 19416 4432 ?        S    16:09   0:00 bash
odoo      547  0.0 11.7 464832 61536 ?       Sl   16:15   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
odoo      600  0.0 11.8 465304 61984 ?       Ssl  16:22   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
root      611  0.0  0.2 11288 1084 pts/3    S+   16:24   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~# ^C
root@shailapf40SGE1819:~# systemctl enable odoo10.service
root@shailapf40SGE1819:~#
```

Reiniciamos con:

```
reboot
```

Si queremos comprobarlo:

```
ps aux | grep odoo
```


```

root@shailapf40SGE1819:~# ps aux | grep odoo
odoo      72  0.0 11.7 464832 61432 ?        Ssl  16:26   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
root      392  0.0  0.1  11288   960 pts/2    S+   16:26   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~#

```

COMANDO MUY UTIL CUANDO ALGO SE ESTÁ EJECUTANDO Y NO LO SABEMOS → `ps aux | grep odoo`

Probamos que se puede acceder a Odoo desde el navegador. No nos deja, volvemos a hacer lo mismo que anteriormente.



Database creation error: new encoding (UTF8) is incompatible with the encoding of the template database (SQL_ASCII) HINT: Use the same encoding as in the template database, or use template0 as template.

Odoo is up and running!
Create a new database by filling out the form, you'll be able to install your first app in a minute.

Database Name

Email

Password

Language Country
English

☐ Load demonstration data (Check this box to evaluate Odoo)

[Create database](#) or [restore a database](#)

No nos deja entrar. [Ir a:](#)

Dos opciones: ejecutar el programa desde la consola, `/home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf`

```

root@shailapf40SGE1819:~# ps aux | grep odoo
odoo      72  0.0 11.7 464796 61612 ?        Ssl  07:02   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-se
rver.conf
root      392  0.0  0.1  11288   972 pts/2    S+   07:02   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~# /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-se rver.conf
Running as user 'root' is a security risk.
Usage: odoo-bin [options]

```

Tengo el odoo arrancado ya

```

odoo-bin: error: unrecognized parameters: 'rver.conf'
root@shailapf40SGE1819:~# /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
Running as user 'root' is a security risk.
2018-10-17 07:11:58,216 408 INFO ? odoo: Odoo version 10.0
2018-10-17 07:11:58,216 408 INFO ? odoo: Using configuration file at /home/odoo/odoo-server.conf
2018-10-17 07:11:58,216 408 INFO ? odoo: addons paths: ['/root/.local/share/Odoo/addons/10.0', u'/home/odoo/odoo/addons', '/home/odoo/odoo/odoo/addons']
2018-10-17 07:11:58,216 408 INFO ? odoo: database: odoo@127.0.0.1:5432
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 "/home/odoo/odoo/odoo/service/server.py", line 246, in http_thread
    self.httpd = ThreadedWSGIServerReloadable(self.interface, self.port, app)
  File "/home/odoo/odoo/odoo/service/server.py", line 102, in __init__
    handler=RequestHandler)
  File "/usr/local/lib/python2.7/dist-packages/werkzeug/serving.py", line 464, in __init__
    HTTPServer.__init__(self, (host, int(port)), handler)
  File "/usr/lib/python2.7/SocketServer.py", line 417, in __init__
    self.server_bind()
  File "/home/odoo/odoo/odoo/service/server.py", line 112, in server_bind
    super(ThreadedWSGIServerReloadable, self).server_bind()
  File "/usr/lib/python2.7/BaseHTTPServer.py", line 108, in server_bind
    SocketServer.TCPServer.server_bind(self)
  File "/usr/lib/python2.7/SocketServer.py", line 431, in server_bind
    self.socket.bind(self.server_address)
  File "/usr/lib/python2.7/socket.py", line 228, in meth
    return getattr(self._sock,name)(*args)
error: [Errno 98] Address already in use

^C2018-10-17 07:13:06,026 408 INFO ? odoo.service.server: Initiating shutdown
2018-10-17 07:13:06,026 408 INFO ? odoo.service.server: Hit CTRL-C again or send a second signal to force the shutdown.
root@shailapf40SGE1819:~# ps aux | grep odoo
odoo      72  0.0 11.7 464796 61612 ?        Ssl  07:02   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-server.conf
root      415  0.0  0.1  11288  1016 pts/2    S+   07:13   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~#

```

Lo paro, quito que se inicie al principio y lo inicio yo manualmente.

```
systemctl stop odoo10.service
systemctl disable odoo10.service
reboot
```

Compruebo que no está iniciado con

```
ps aux | grep odoo
```

```
root@shailapf40SGE1819:~# ps aux | grep odoo
root      387  0.0  0.1  11288   956 pts/2    S+   07:16   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~#
```

```
systemctl start odoo10.service
```

```
root@shailapf40SGE1819:~# ps aux | grep odoo
root      387  0.0  0.1  11288   956 pts/2    S+   07:16   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~# systemctl start odoo10.service
root@shailapf40SGE1819:~# ps aux | grep odoo
odoo      393  0.0 11.7 464828 61444 ?        Ssl  07:19   0:00 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-se
rver.conf
root      400  0.0  0.1  11288   936 pts/2    S+   07:19   0:00 grep --color=auto odoo
```

Matar procesos.

```
root@shailapf40SGE1819:~# kill -9 392 424
```

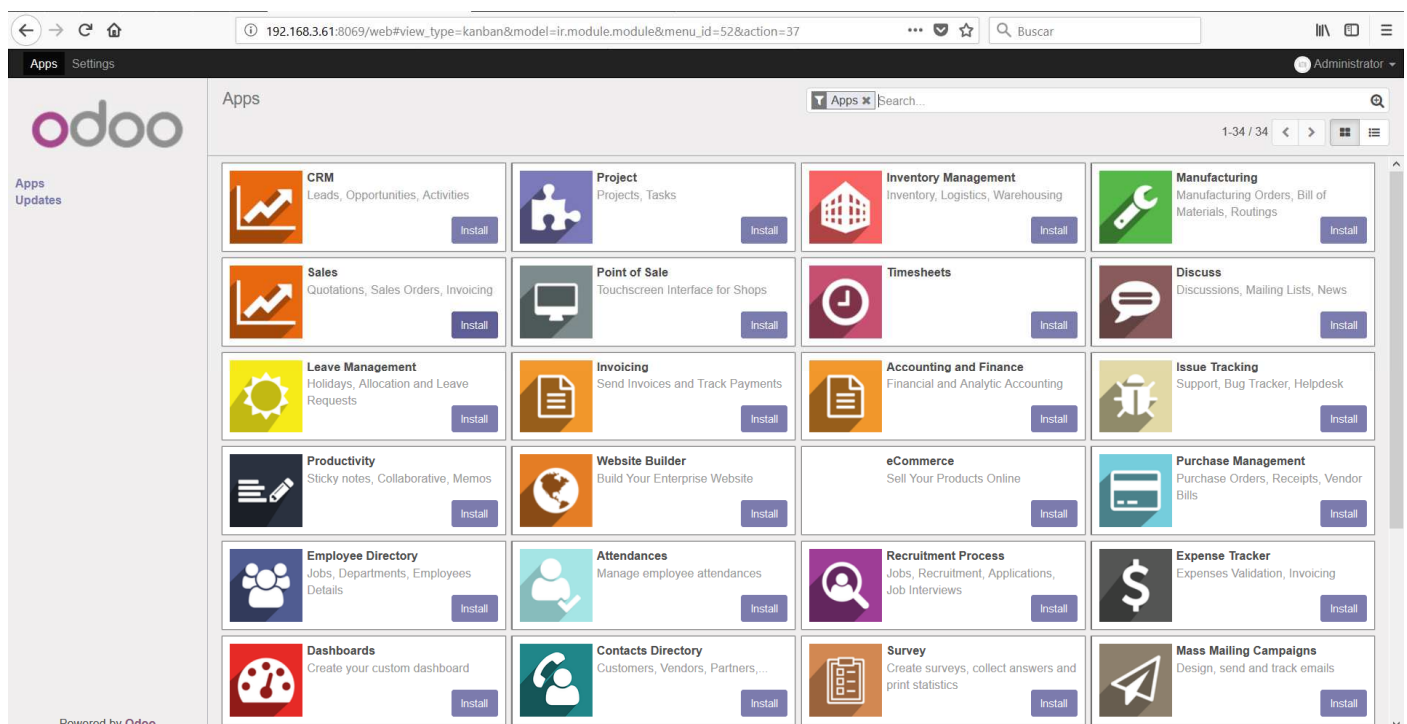
Could not execute command 'lessc'

-  [Administrator](#)
 - [Documentation](#)
 - [Support](#)
 - [Preferences](#)
 - [My Odoo.com account](#)
 - [Log out](#)

odoo

[Edit Company data](#)
Powered by [Odoo](#)

Si me sale esto es porque me salte un paso, [ir a](#) .



The screenshot shows the Odoo 10 web interface. The top navigation bar includes 'Apps' and 'Settings' tabs. The main content area is titled 'Apps' and displays a grid of 20 application modules, each with an icon, name, description, and an 'Install' button. The modules are arranged in a 5x4 grid. The left sidebar shows the 'odoo' logo and 'Apps Updates' section. The bottom of the page indicates 'Powered by Odoo'.

Module	Description	Install
CRM	Leads, Opportunities, Activities	Install
Project	Projects, Tasks	Install
Inventory Management	Inventory, Logistics, Warehousing	Install
Manufacturing	Manufacturing Orders, Bill of Materials, Routings	Install
Sales	Quotations, Sales Orders, Invoicing	Install
Point of Sale	Touchscreen Interface for Shops	Install
Timesheets		Install
Discuss	Discussions, Mailing Lists, News	Install
Leave Management	Holidays, Allocation and Leave Requests	Install
Invoicing	Send Invoices and Track Payments	Install
Accounting and Finance	Financial and Analytic Accounting	Install
Issue Tracking	Support, Bug Tracker, Helpdesk	Install
Productivity	Sticky notes, Collaborative, Memos	Install
Website Builder	Build Your Enterprise Website	Install
eCommerce	Sell Your Products Online	Install
Purchase Management	Purchase Orders, Receipts, Vendor Bills	Install
Employee Directory	Jobs, Departments, Employees Details	Install
Attendances	Manage employee attendances	Install
Recruitment Process	Jobs, Recruitment, Applications, Job Interviews	Install
Expense Tracker	Expenses Validation, Invoicing	Install
Dashboards	Create your custom dashboard	Install
Contacts Directory	Customers, Vendors, Partners,...	Install
Survey	Create surveys, collect answers and print statistics	Install
Mass Mailing Campaigns	Design, send and track emails	Install

TIPOS DE MÓDULOS. CARACTERÍSTICAS FUNCIONALES.

Vamos a la carpeta odoo:

```
cd /home/odoo
```

```
ls
```

```
cat odoo-server.conf
```

```
root@shailapf40SGE1819:~# cd /home/odoo
root@shailapf40SGE1819:/home/odoo# ls
odoo  odoo-server.conf  odoo.server.conf
root@shailapf40SGE1819:/home/odoo# cat odoo-server.conf
[options]
admin_passwd = admin

xmlrpc = True
xmlrpc_port = 8069

db_host = 127.0.0.1
db_port = 5432
db_user = odoo
db_password = odoo

addons_path = /home/odoo/odoo/addons
```

Aparece el directorio donde tenemos los addons que son módulos que vamos a instalar en odoo.

```
cd /home/odoo/odoo/addons
```

```
ls
```

base_import_module	l10n_jp	stock
base_setup	l10n_lu	stock_account
base_vat	l10n_ma	stock_calendar
board	l10n_multilang	stock_dropshipping
bus	l10n_mx	stock_landed_costs
calendar	l10n_nl	stock_picking_wave
contacts	l10n_no	subscription
crm	l10n_nz	survey
crm_project_issue	l10n_pa	survey_crm
decimal_precision	l10n_pe	theme_bootswatch
delivery	l10n_pl	theme_default
document	l10n_pt	utm
event	l10n_ro	web
event_sale	l10n_sa	web_calendar
fetchmail	l10n_sg	web_diagram
fleet	l10n_si	web_editor
gamification	l10n_syscohada	web_kanban
gamification_sale_crm	l10n_th	web_kanban_gauge
google_account	l10n_tr	web_planner
google_calendar	l10n_uk	web_settings_dashboard
google_drive	l10n_us	web_tour
google_spreadsheets	l10n_uy	website
hr	l10n_ve	website_blog
hr_attendance	l10n_vn	website_crm
hr_contract	link_tracker	website_crm_partner_assign
hr_expense	lunch	website_customer
hr_expense_check	mail	website_event
hr_gamification	maintenance	website_event_questions
hr_holidays	marketing_campaign	website_event_sale
hr_maintenance	marketing_campaign_crm_demo	website_event_track
hr_payroll	mass_mailing	website_form

Los módulos pueden tener dependencias, si no las tenemos aquí nos va a fallar la instalación. Instalación automática.

Vamos a <http://192.168.3.61:8069/>

Antes de instalar cualquier módulo ir a configuración. Porque luego cuando instalemos los módulos van a coger los datos que ahí vienen.

Cambiar la configuración de la compañía:

Companies ×



Company Name
Castelao Arquitectura T

Company Tagline
Castelao Arquitectura Técnica

General Information

Address

Calle Colón

Street 2...

El Entrego Asturias ZIP

Spain

Website
http://www.castelaoat.es

Phone

Fax

Email
info@yourcompany.com

Tax ID

Company registry

Currency
EUR


Activate here a new currency before creating a new company.

Save Discard

Activar modo desarrollador → Aplicaciones → Actualizar lista de aplicaciones.

Discuss Inventory Apps Settings

Administrator



Dashboard
Users
Users
Companies
General Settings
Translations
Load a Translation

2 Installed Apps

Browse Apps

App store Theme store

1 Active User

Manage access rights

Invite new users:

Enter e-mail addresses (one per line)

Invite

0% Implementation

Follow these implementation guides to get the most out of Odoo.

0% Inventory

Need more help? Browse the documentation.

Share the Love

Help us spread the word. Share Odoo's awesomeness with your friends!

Twitter Facebook LinkedIn

Odoo 10.0 (Community Edition)

Copyright © 2004-2016 Odoo S.A. GNU LGPL Licensed

Activate the developer mode
Activate the developer mode (with assets)

Instalar Gestión de Inventario.

Después vamos a Configuración otra vez y abajo a la derecha clicar en Activar modo desarrollador.
Vamos a aplicaciones → datos técnicos → miramos las dependencias.


Discuss Inventory Apps Settings

Administrator (shailla)

Apps / Inventory Management

Action

3 / 34



Apps
App Store
Updates
Update Apps List
Apply Scheduled Upgrades

stock.warehouse.orderpoint.form (form)
stock.warehouse.orderpoint.search (search)
stock.warehouse.orderpoint.tree (tree)
stock.warehouse.search (search)
stock.warehouse.tree (tree)
stock.backorder.confirmation (form)
view.stock.level.forecast.filter (search)

Dependencies

Name	Status
product	Installed
procurement	Installed
barcodes	Installed
web_planner	Installed

Cuidado con la opción Desinstalar.

¿Cómo instalar un módulo que no esté en la lista?

Vamos al buscador → I10n → buscar → España – Contabilidad (PGCE 2008). (No hacemos nada)

Vamos a [Github](https://github.com) y buscamos I10n para ver el código que van subiendo, seleccionar nuestra versión 10.0. I10n_es copiamos la dirección

<https://github.com/OCA/I10n-spain/tree/10.0>
<https://github.com/OCA/I10n-spain.git>


```
/home/odoo/odoo/addons# cd ~
```

```
git clone -b 10.0 https://github.com/OCA/110n-spain.git
```

```
root@shailapf40SGE1819:/home/odoo/odoo/addons# cd ~
root@shailapf40SGE1819:~# git clone -b 10.0 https://github.com/OCA/110n-spain.git
Cloning into '110n-spain'...
remote: Enumerating objects: 147, done.
remote: Counting objects: 100% (147/147), done.
remote: Compressing objects: 100% (103/103), done.
remote: Total 36852 (delta 64), reused 94 (delta 43), pack-reused 36705
Receiving objects: 100% (36852/36852), 61.08 MiB | 8.73 MiB/s, done.
Resolving deltas: 100% (24615/24615), done.
Checking connectivity... done.
```

```
root@shailapf40SGE1819:~# ls
110n-spain  v8nmlttx-0.11.1 linux-trusty-amd64.deb
root@shailapf40SGE1819:~# cd 110n-spain/
root@shailapf40SGE1819:~/110n-spain# ls
LICENSE  110n_es_account_bank_statement_import_n43  110n_es_aseat_mod115  110n_es_aseat_mod349  110n_es_dua  110n_es_payment_order  payment_redays
README.md  110n_es_account_banking_sepa_fedd  110n_es_aseat_mod130  110n_es_aseat_mod390  110n_es_dua_sii  110n_es_payment_order_confirmnet  requirements.txt
account_balance_reportting  110n_es_account_fiscal_year_closing  110n_es_aseat_mod216  110n_es_aseat_sii  110n_es_dmr  110n_es_pos  setup
account_balance_reportng_alx  110n_es_account_group  110n_es_aseat_mod296  110n_es_aseat_sii_cash_basis  110n_es_location_nuts  110n_es_subcontractor_certificate
110n_es  110n_es_account_invoice_sequence  110n_es_aseat_mod303  110n_es_aseat_vat_prorrate  110n_es_mis_report  110n_es_toponyms
110n_es_account_asset  110n_es_aseat  110n_es_aseat_mod303_cash_basis  110n_es_aseat_vat_prorrate_asset  110n_es_partner  110n_es_vat_hook
110n_es_account_balance_report  110n_es_aseat_mod111  110n_es_aseat_mod347  110n_es_crm_lead_trade_name  110n_es_partner_mercantil  oca_dependencies.txt
root@shailapf40SGE1819:~/110n-spain#
```

su odoo

Salimos:

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

```
odoo@shailapf40SGE1819:/root/110n-spain$ exit
exit
root@shailapf40SGE1819:~/110n-spain# sudo pip install -r requirements.txt
Requirement already satisfied (use --upgrade to upgrade): pycrypto in /usr/lib/python2.7/dist-packages (from -r requirements.txt (line 1))
Collecting unicodecode (from -r requirements.txt (line 2))
  Downloading https://files.pythonhosted.org/packages/59/ef/67085e30e8bbcd76e2f0a4ad8151c13a2c5bce77c85f8cad6elf16fb141/Unicodecode-1.0.22-py2.py3-none-any.whl (235kB)
    100% |#####| 235kB 1.5MB/s
Collecting unicodecsv (from -r requirements.txt (line 3))
  Downloading https://files.pythonhosted.org/packages/6f/a4/691ab63b17505a26096608cc309960b5a6bdf39e4bala793d5f9b1a53270/unicodecsv-0.14.1.tar.gz
    100% |#####| 61kB 1.0MB/s
Collecting attrs>=17.2.0 (from zeep->-r requirements.txt (line 6))
  Downloading https://files.pythonhosted.org/packages/3a/e1/5f9023cc983f1a628a8c2fd051ad19e76ff7b142a0faf329336f9a62a514/attrs-18.2.0-py2.py3-none-any.whl
Collecting appdirs>=1.4.0 (from zeep->-r requirements.txt (line 6))
  Downloading https://files.pythonhosted.org/packages/56/eb/810e700ed1349edde4cbdc1b2a21e28cdf115f9faf263f6bbf8447c1abf3/appdirs-1.4.3-py2.py3-none-any.whl
Requirement already satisfied (use --upgrade to upgrade): cryptography>=0.7 in /usr/lib/python2.7/dist-packages (from pyOpenSSL->-r requirements.txt (line 7))
Building wheels for collected packages: unicodecsv
  Running setup.py bdist_wheel for unicodecsv ... done
  Stored in directory: /root/.cache/pip/wheels/a6/09/e9/e800279c98a0a8c94543f3de6c8a562f60e51363ed26e71283
Successfully built unicodecsv
Installing collected packages: unicodecode, unicodecsv, isodate, defusedxml, cached-property, requests-toolbelt, attrs, appdirs, zeep
Successfully installed appdirs-1.4.3 attrs-18.2.0 cached-property-1.5.1 defusedxml-0.5.0 isodate-0.6.0 requests-toolbelt-0.8.0 unicodecsv-0.14.1 unicodecode-1.0.22 zeep-3.1.0
You are using pip version 8.1.1, however version 18.1 is available.
You should consider upgrading via the 'pip install --upgrade pip' command.
root@shailapf40SGE1819:~/110n-spain# sudo pip install -r requirements.txt^C
```

Volvemos al usuario odoo:

su odoo

Vamos a y copiamos:

```
cp -r 110n-sapin/* /home/odoo/odoo/addons/
```

```
cp /home/odoo/odoo/addons/
```

Para comprobar lo que tenemos instalado

```
ls -lht
```

```
rm -rf /110n-es
```

Vamos a <http://192.168.3.61:8069/>

Buscar el módulo e instalar Vamos al buscador → 110n → buscar → España – Contabilidad (PGCE 2008)

Instalar topónimos españoles → Nos dice que depende de un módulo → base_location_geonames_import

Buscar en Google base_location_geonames_import site: <https://github.com/OCA>

<https://github.com/OCA/partner-contact.git>

No clonarlo en usuario odoo

```
git clone -b 10.0 https://github.com/OCA/partner-contact.git
```

ls

su odoo

```
cp -r partner-contact/ base_location_geonames_import /home/odoo/odoo/addons/
```

Ir a <http://192.168.3.61:8069/> buscar el módulo para instalar y nos vuelve a decir que nos faltan base_location

```
cp -r partner-contact/ base_location /home/odoo/odoo/addons/
```

Si lo clone en root no me sirve, mejor borrar y hacerlo bien:

```
root@shailapf40SGE1819:~# su odoo
odoo@shailapf40SGE1819:/root$ cd ~
odoo@shailapf40SGE1819:~$ git clone -b 10.0 https://github.com/OCA/110n-spain.git
Cloning into '110n-spain'...
remote: Enumerating objects: 147, done.
remote: Counting objects: 100% (147/147), done.
remote: Compressing objects: 100% (103/103), done.
remote: Total 36852 (delta 64), reused 94 (delta 43), pack-reused 36705
Receiving objects: 100% (36852/36852), 61.08 MiB | 10.30 MiB/s, done.
Resolving deltas: 100% (24615/24615), done.
Checking connectivity... done.
odoo@shailapf40SGE1819:~$ ls
110n-spain  odoo  odoo-server.conf  odoo.server.conf
```

Salimos de Odoo

```
cd 110n-spain/
/110n-spain ls
```

```
root@shailapf40SGE1819:~# cd 110n-spain/
root@shailapf40SGE1819:~/110n-spain# ls
LICENSE                               110n_es_jeat_mod130                110n_es_irnr
README.md                             110n_es_jeat_mod216                110n_es_location_nuts
account_balance_reporting              110n_es_jeat_mod296                110n_es_mis_report
account_balance_reporting_xlsx          110n_es_jeat_mod303                110n_es_partner
110n_es                                 110n_es_jeat_mod303_cash_basis     110n_es_partner_mercantil
110n_es_account_asset                 110n_es_jeat_mod347                110n_es_payment_order
110n_es_account_balance_report          110n_es_jeat_mod349                110n_es_payment_order_confirmet
110n_es_account_bank_statement_import_n43 110n_es_jeat_mod390                110n_es_pos
110n_es_account_banking_sepa_fsdd       110n_es_jeat_sii                   110n_es_subcontractor_certificate
110n_es_account_fiscal_year_closing      110n_es_jeat_sii_cash_basis        110n_es_toponyms
110n_es_account_group                  110n_es_jeat_vat_prorrate           110n_es_vat_book
110n_es_account_invoice_sequence         110n_es_jeat_vat_prorrate_asset     oca_dependencies.txt
110n_es_jeat                           110n_es_crm_lead_trade_name        payment_redsys
110n_es_jeat_mod111                    110n_es_dua                        requirements.txt
110n_es_jeat_mod115                    110n_es_dua_sii                    setup
```

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

```
root@shailapf40SGE1819:~/110n-spain# cd ..
```

```
root@shailapf40SGE1819:~#
```

```
odoo@shailapf40SGE1819:/root/110n-spain$ cd /home/odoo/
```

```
odoo@shailapf40SGE1819:~$ cp -r 110n-spain/* /home/odoo/odoo/addons/
```

```
odoo@shailapf40SGE1819:~$ cd /home/odoo/odoo/addons/
```

```
ls -lht
```

Vamos a Odoo, activamos vista desarrollador vamos a Update Apps List y actualizamos.

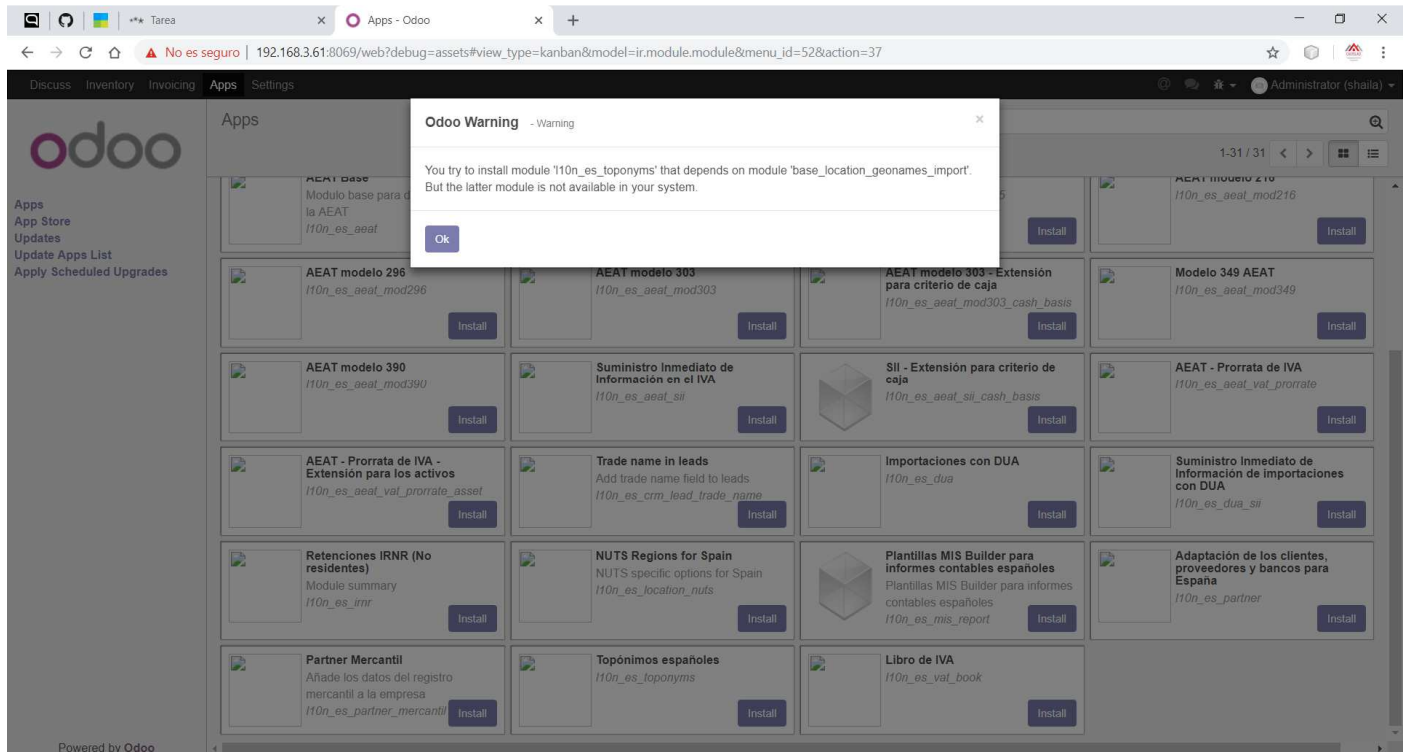
The screenshot shows the Odoo web interface with the 'Apps' view selected. The left sidebar contains the Odoo logo and navigation links: 'Apps', 'App Store', 'Updates', 'Update Apps List', and 'Apply Scheduled Upgrades'. The main area displays a grid of application modules, each with an icon, title, description, and an 'Install' button. Some modules are already installed, indicated by a green checkmark and the word 'Installed'.

Module	Description	Status
CRM	Leads, Opportunities, Activities	Install
Project	Projects, Tasks	Install
Inventory Management	Inventory, Logistics, Warehousing	Installed
Manufacturing	Manufacturing Orders, Bill of Materials, Routings	Install
Sales	Quotations, Sales Orders, Invoicing	Install
Point of Sale	Touchscreen Interface for Shops	Install
Timesheets	hr_timesheet	Install
Discuss	Discussions, Mailing Lists, News	Installed
Leave Management	Holidays, Allocation and Leave Requests	Install
Invoicing	Send Invoices and Track Payments	Install
Accounting and Finance	Financial and Analytic Accounting	Install
Issue Tracking	Support, Bug Tracker, Helpdesk	Install
Productivity	Sticky notes, Collaborative, Memos	Install
Website Builder	Build Your Enterprise Website	Install
eCommerce	Sell Your Products Online	Install
Purchase Management	Purchase Orders, Receipts, Vendor Bills	Install
Employee Directory	Jobs, Departments, Employees	Install
Attendances	Manage employee attendances	Install
Recruitment Process	Jobs, Recruitment, Applications, Job Interviews	Install
Expense Tracker	Expenses Validation, Invoicing	Install
Dashboards	Create your custom dashboard	Install
Contacts Directory	Customers, Vendors, Partners...	Install
Survey	Create surveys, collect answers and print statistics	Install
Mass Mailing Campaigns	Design, send and track emails	Install

Buscamos l10n

Planes de cuentas españoles (según PGCE 2008). Lo instalamos.

Luego vamos a l10n_sapin y buscamos el módulo de topónimos y lo intentamos instalar, no nos deja por



Instalar topónimos españoles → Nos dice que depende de un módulo → base_location_geonames_import
Buscar en Google base_location_geonames_import site: <https://github.com/OCA>
<https://github.com/OCA/partner-contact.git>

1,216 commits

7 branches

0 releases

72 contributors

AGPL-3.0

Branch: 10.0

View #387

Find file

Clone or download

This branch is 1216 commits ahead, 526 commits behind 11.0.

Pull request

Compare

OCA-git-bot [UPD] addons table in README.md [ci skip]

Latest commit 123efdc 2 days ago

account_partner_merge

[MIG] Rename manifest files

2 years ago

base_continent

remove obsolete .pot files [ci skip]

4 months ago

base_country_state_translatable

[UPD] Update base_country_state_translatable.pot

4 months ago

base_location

[FIX] base_location: improve res.partner form view (#609)

2 days ago

base_location_geonames_import

[UPD] Update base_location_geonames_import.pot

4 months ago

base_location_nuts

[UPD] README.rst

24 days ago

base_partner_merge

Translated using Weblate (Portuguese (Brazil))

4 months ago

base_partner_sequence

[UPD] Update base_partner_sequence.pot

4 months ago

base_vat_sanitized

[UPD] Update base_vat_sanitized.pot

4 months ago

firstname_display_name_trigger

[MIG] Rename manifest files

2 years ago

partner_academic_title

Translated using Weblate (Portuguese (Brazil))

4 months ago

partner_address_street3

Translated using Weblate (Português (Brasil))

4 months ago

partner_affiliate

[UPD] Update partner_affiliate.pot

4 months ago

partner_alias

[UPD] Update partner_alias.pot

13 days ago

partner_auto_salesman

[MIG] Rename manifest files

2 years ago

partner_bank_active

partner_bank_active: use the nice active button (instead of the field)

a month ago

10.0/base_location_geonames_import

[UPD] Update partner_capital.pot

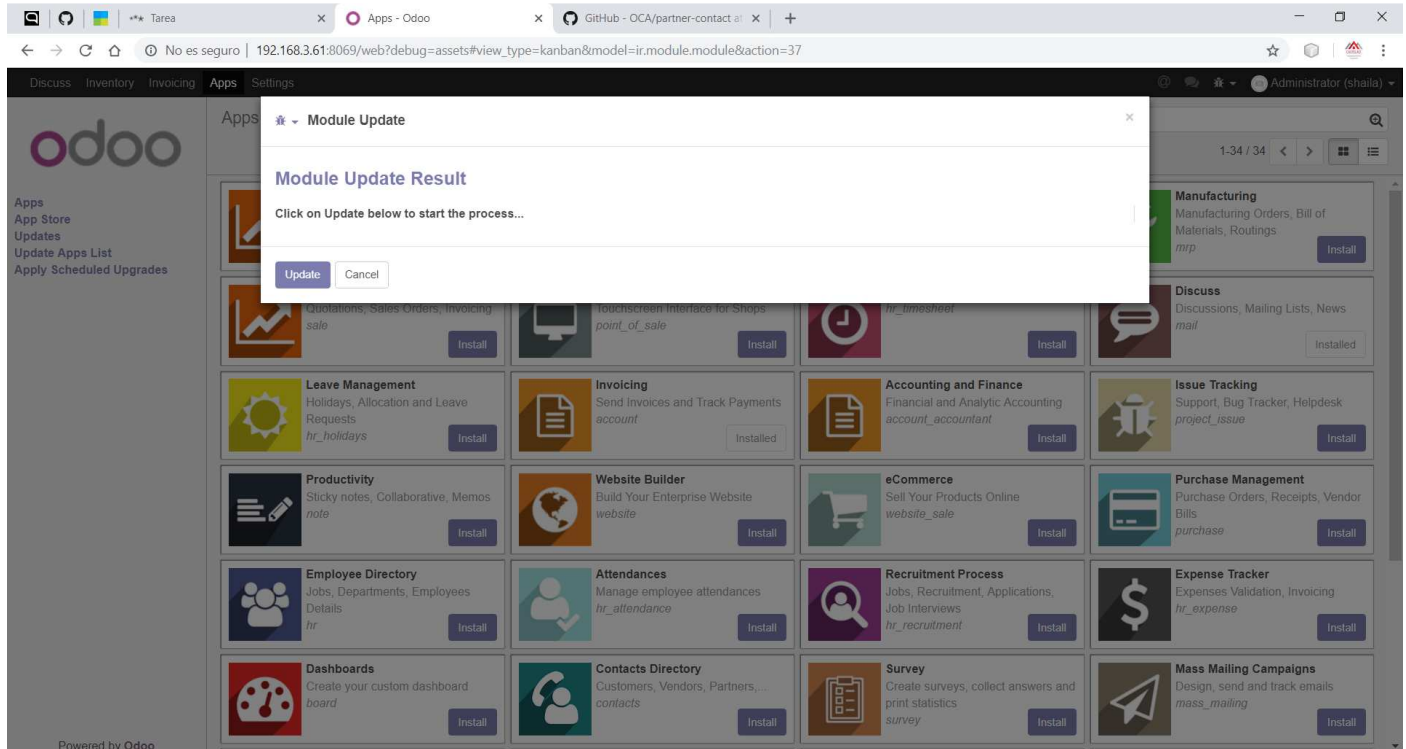
13 days ago

Copiamos el que nos interesa <https://github.com/OCA/partner-contact.git>

odoo@shailapf40SGE1819:~\$ git clone -b 10.0 https://github.com/OCA/partner-contact.git

```
odoo@shailapf40SGE1819:~$ ls
l10n-spain odoo odoo-server.conf odoo.server.conf partner-contact
odoo@shailapf40SGE1819:~$ cp -r partner-contact/base_location_geonames_import
/home/odoo/odoo/addons/
```

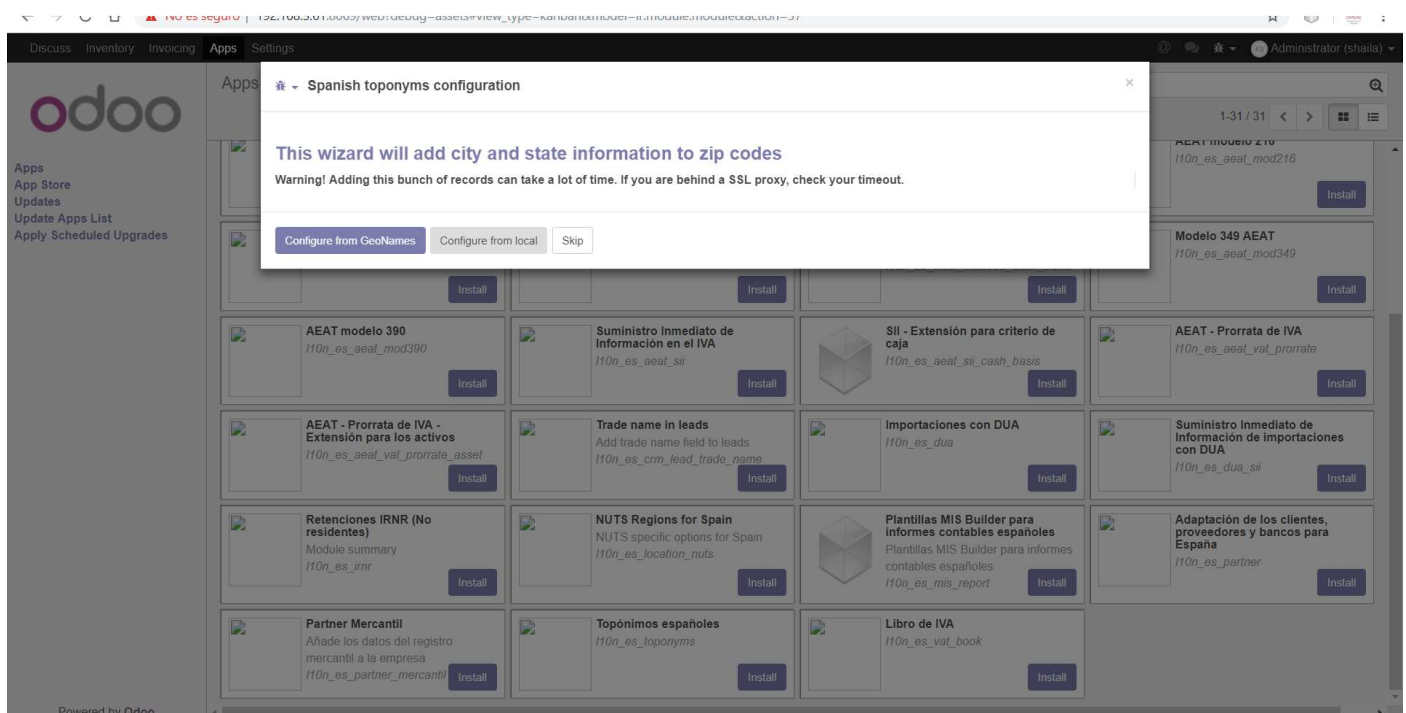
Vamos a Odoo



Va a tener una dependencia base_location

```
odoo@shailapf40SGE1819:~$ cp -r partner-contact/base_location /home/odoo/odoo/addons/
```

```
odoo@shailapf40SGE1819:~$ ls
l10n-spain odoo odoo-server.conf odoo.server.conf partner-contact
odoo@shailapf40SGE1819:~$ cp -r partner-contact/base_location_geonames_import /home/odoo/odoo/addons/
odoo@shailapf40SGE1819:~$ ^C
odoo@shailapf40SGE1819:~$ cp -r partner-contact/base_location /home/odoo/odoo/addons/
```



Cuando nos deje instalarlo darle a Configurar desde local. (Tarda).

The screenshot shows the Odoo Apps interface. The top navigation bar includes 'Discuss', 'Inventory', 'Invoicing', 'Apps', and 'Settings'. The user is logged in as 'Administrator'. The main header shows 'Apps / Topónimos españoles' and an 'Action' dropdown. The app card for 'Topónimos españoles' is displayed, featuring a map of Spain and the text 'By Spanish Localization Team, ZikZakMedia, Tecnativa, Odoo Community Association (OCA)'. It has 'Upgrade' and 'Uninstall' buttons. The description states: 'Provincias, municipios y códigos postales de España.' and lists features: adding 52 provinces, providing a municipality assistant, and auto-filling city/province fields. It mentions data is from GeoNames (last updated 25/02/2015). The 'Installation' section says modules 'base_location' and 'base_location_geonames_import' are required, with a link to the GitHub repository. The 'Usage' section explains a dialog box will appear for selecting provinces and cities, with options to import from the internet or locally. The footer says 'Powered by Odoo'.

Instalar módulo Adaptación de los clientes, proveedores y bancos para España.
Instalar módulo Libro IVA.

The screenshot shows the Odoo Apps interface with a warning dialog box open. The dialog says: 'Odoo Warning - Warning. You try to install module 'l10n_es_vat_book' that depends on module 'report_xlsx'. But the latter module is not available in your system.' with an 'Ok' button. The background shows a grid of available modules, each with an 'Install' button. The modules include: 'Account Banking' (Anticipos de crédito), 'AEAT Base', 'AEAT modelo 111', 'AEAT modelo 115', 'AEAT modelo 216', 'AEAT modelo 296', 'AEAT modelo 303', 'AEAT modelo 303 - Extensión para criterio de caja', 'Modelo 349 AEAT', 'AEAT modelo 390', 'Suministro Inmediato de Información en el IVA', 'SII - Extensión para criterio de caja', 'AEAT - Prorrata de IVA', 'AEAT - Prorrata de IVA - Extensión para los activos', 'Trade name in leads', 'Importaciones con DUA', 'Suministro Inmediato de Información de importaciones con DUA', 'Retenciones IRNR (No residentes)', 'NUTS Regions for Spain', 'Plantillas MIS Builder para informes contables españoles', and 'Adaptación de los clientes, proveedores y bancos para España' (which is already installed).

You try to install module 'l10n_es_vat_book' that depends on module 'report_xlsx'.

Vamos a la terminal y

```
odoo@shailapf40SGE1819:~$ git clone -b 10.0 https://github.com/OCA/reporting-engine.git
```

```
odoo@shailapf40SGE1819:~$ cp -r reporting-engine/report_xlsx /home/odoo/odoo/addons/
```

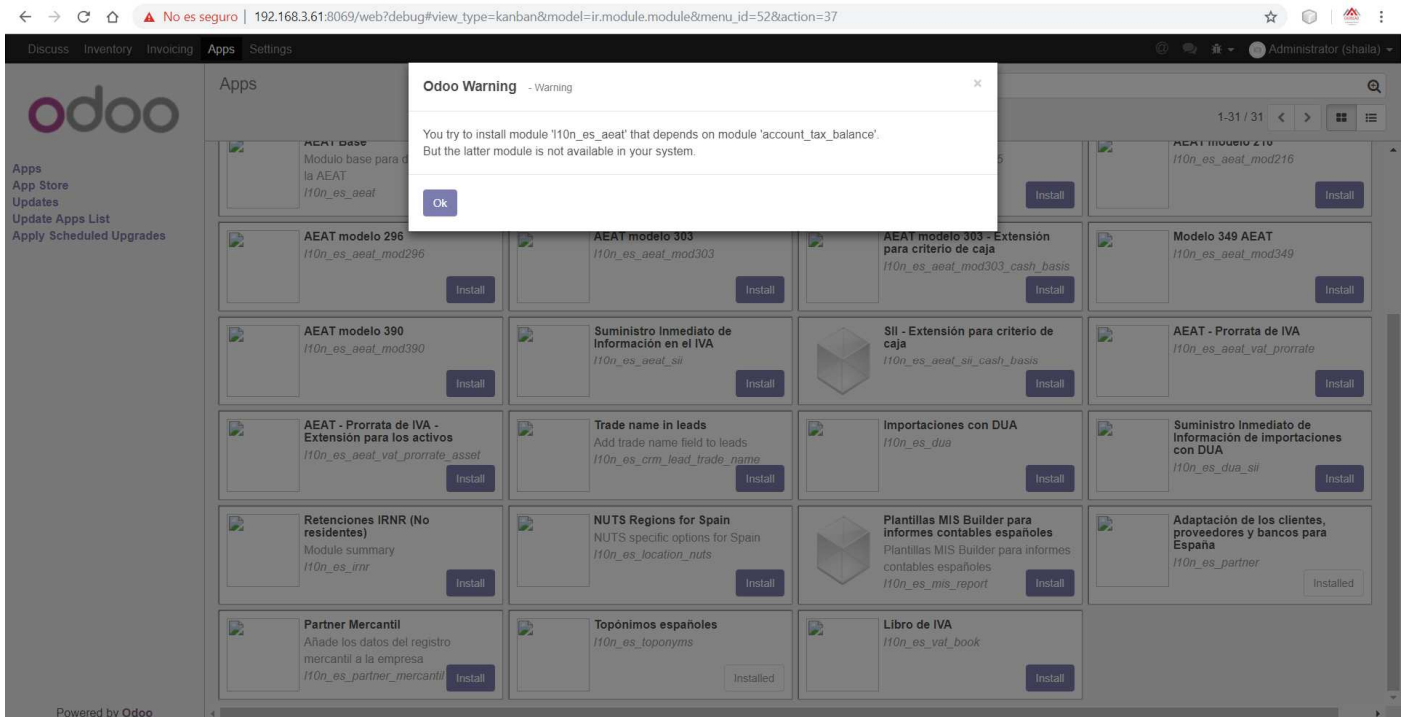
```
odoo@shailapf40SGE1819:~$ git clone -b 10.0 https://github.com/OCA/reporting-engine.git
Cloning into 'reporting-engine'...
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 7317 (delta 5), reused 4 (delta 4), pack-reused 7304
Receiving objects: 100% (7317/7317), 4.08 MiB | 1.65 MiB/s, done.
Resolving deltas: 100% (5005/5005), done.
Checking connectivity... done.
```

```

odoo@shailapf40SGE1819:~$ ls
110n-spain  odoo  odoo-server.conf  odoo.server.conf  partner-contact  reporting-engine
odoo@shailapf40SGE1819:~$ cp -r partner-contact/reporting-engine /home/odoo/odoo/addons/
cp: cannot stat 'partner-contact/reporting-engine': No such file or directory
odoo@shailapf40SGE1819:~$ cp -r reporting-engine/report_xlsx /home/odoo/odoo/addons/
odoo@shailapf40SGE1819:~$

```

Vamos a Odoo
Siempre que hagamos algo hay que ir a modo desarrollador.



Buscamos account_tax_balance → account_tax_balance site: <https://github.com/OCA>

Vamos a la terminal y

```

odoo@shailapf40SGE1819:~$ git clone -b 10.0 https://github.com/OCA/account-financial-reporting.git

```

```

odoo@shailapf40SGE1819:~$ git clone -b 10.0 https://github.com/OCA/account-financial-reporting.git
Cloning into 'account-financial-reporting'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 13176 (delta 3), reused 3 (delta 2), pack-reused 13166
Receiving objects: 100% (13176/13176), 6.04 MiB | 1.79 MiB/s, done.
Resolving deltas: 100% (8876/8876), done.
Checking connectivity... done.
odoo@shailapf40SGE1819:~$

```

```

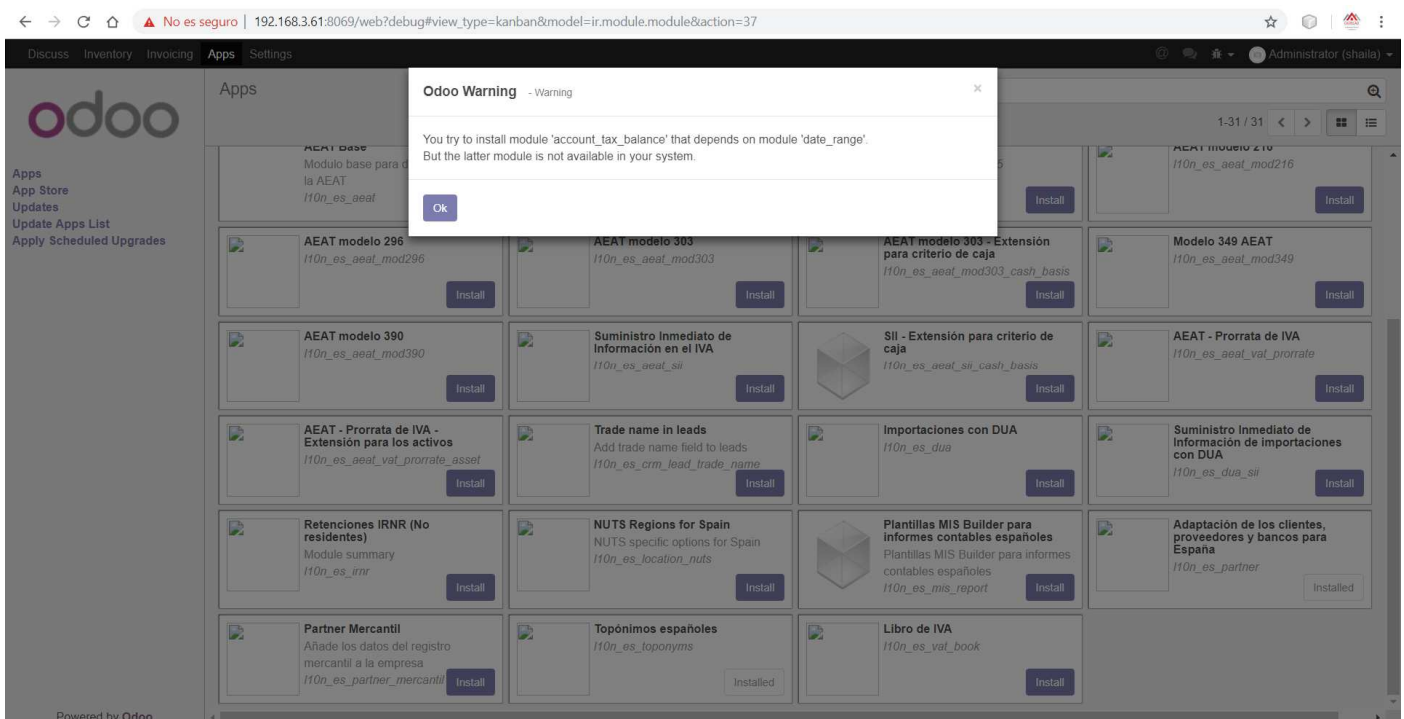
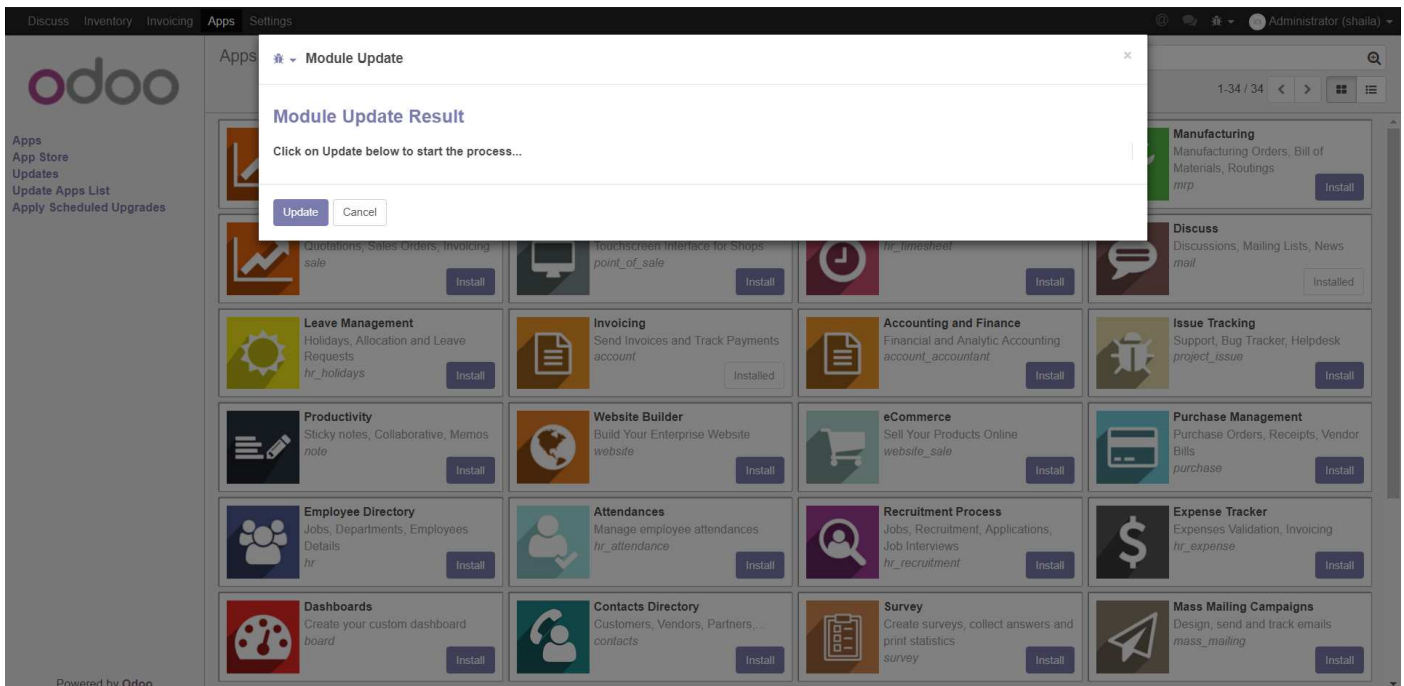
cp -r account-financial-reporting/account_tax_balance /home/odoo/odoo/addons/

```

```

odoo@shailapf40SGE1819:~$ cp -r account-financial-reporting/account_tax_balance /home/odoo/odoo/addons/

```



Buscar en Google: date_range site: <https://github.com/OCA>

odoo@shailapf40SGE1819:~\$ git clone -b 10.0 https://github.com/OCA/server-tools.git

```
odoo@shailapf40SGE1819:~$ git clone -b 10.0 https://github.com/OCA/server-tools.git
Cloning into 'server-tools'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 50339 (delta 3), reused 8 (delta 3), pack-reused 50327
Receiving objects: 100% (50339/50339), 22.24 MiB | 3.99 MiB/s, done.
Resolving deltas: 100% (35047/35047), done.
Checking connectivity... done.
odoo@shailapf40SGE1819:~$
```

odoo@shailapf40SGE1819:~\$ cp -r server-tools/date_range /home/odoo/odoo/addons/

Vamos a Odoo e instalamos el módulo.

Puede que Gmail no nos deje configurar la cuenta directamente, entonces tendremos que ir a **Acceso de aplicaciones poco seguras** y permitir el acceso.

Settings > Email > Outgoing Mail servers > Create.

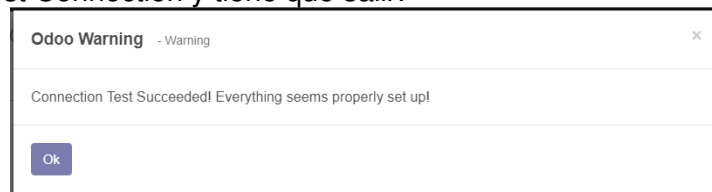
The top screenshot shows the 'Outgoing Mail Servers / New' form in Odoo. The left sidebar contains the navigation menu with 'Outgoing Mail Servers' selected. The form fields are:

- Description: (empty)
- Priority: 10
- Connection Information:
 - SMTP Server: (empty)
 - SMTP Port: 25
 - Debugging: ☐
- Security and Authentication:
 - Connection Security: None
 - Username: (empty)
 - Password: (empty)
 - Test Connection: button

The bottom screenshot shows the same form with the following values:

- Description: Gmail(Yenthe)
- Priority: 1
- Connection Information:
 - SMTP Server: smtp.gmail.com
 - SMTP Port: 465
 - Debugging: ☐
- Security and Authentication:
 - Connection Security: SSL/TLS
 - Username: shailaperezfernandez@gmail.com
 - Password: (masked with dots)
 - Test Connection: button

Si todo va bien darle a Test Connection y tiene que salir:



Cree otra base de datos: BaseDatosBis.

Cambiar la contraseña, vamos a <http://192.168.3.61:8069/web/database/manager> y ahí se puede hacer la copia de seguridad y cambiar la contraseña.

Warning, your Odoo database manager is not protected. Please [set a master password](#) to secure it.

BaseDatosBis
shaila

[Manage databases](#)

Set Master Password

The master password is required to create, delete, dump or restore databases.

New Master Password

Continue

Primero vamos a la base de datos y sacamos una copia

Backup Database

Database Name

BaseDatosBis

Backup Format

pg_dump custom format (without filestore)

Backup

Restore Database

File

Seleccionar archivo BaseDatosBis...8-39-05.zip

Database Name

BaseDatosBisRestaurada

This database might have been moved or copied.

In order to avoid conflicts between databases, Odoo needs to know if this database was moved or copied. If you don't know, answer "This database is a copy".

☒ This database is a copy

☐ This database was moved

Continue

Ojo con tener el ZeroTier encendido cuando trabajo en local porque me va a ir muy lento.

Copia de seguridad. Por comandos:

```
Using username "root".
Welcome to Ubuntu 16.04 LTS (GNU/Linux 4.15.17-3-pve x86_64)

 * Documentation:  https://help.ubuntu.com/
New release '18.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

You have mail.
Last login: Wed Nov  7 09:11:51 2018 from 192.168.3.219
root@shailapf40SGE1819:~# su odoo
odoo@shailapf40SGE1819:/root$ cd
odoo@shailapf40SGE1819:~$
```

odoo@shailapf40SGE1819:~\$ pg_dump prueba > copia.sql

```
odoo@shailapf40SGE1819:~$ pg_dump prueba > copia.sql
odoo@shailapf40SGE1819:~$ ls
account-financial-reporting  copiaInicial.sql  odoo               odoo.server.conf  reporting-engine
copia.sql                   ll0n-spain        odoo-server.conf   partner-contact    server-tools
odoo@shailapf40SGE1819:~$
```

odoo@shailapf40SGE1819:~\$ ls -lht

```
odoo@shailapf40SGE1819:~$ ls -lht
total 21M
-rw-rw-r-- 1 odoo odoo 21M Nov  8 08:57 copia.sql
-rw-rw-r-- 1 odoo odoo  0 Nov  8 08:25 copiaInicial.sql
drwxrwxr-x 99 odoo odoo 4.0K Oct 25 10:38 server-tools
drwxrwxr-x 15 odoo odoo 4.0K Oct 25 09:45 account-financial-reporting
drwxrwxr-x 18 odoo odoo 4.0K Oct 25 09:25 reporting-engine
drwxrwxr-x 66 odoo odoo 4.0K Oct 25 08:50 partner-contact
drwxrwxr-x 44 odoo odoo 4.0K Oct 25 07:46 ll0n-spain
-rw-rw-r-- 1 odoo odoo 174 Oct 11 16:13 odoo-server.conf
-rw-rw-r-- 1 odoo odoo 173 Oct 11 15:19 odoo.server.conf
drwxrwxr-x 10 odoo odoo 4.0K Oct 11 14:32 odoo
```

```
odoo@shailapf40SGE1819:~$ rm copiaInicial.sql
```

(Para borrar)

Si quiero ver la copia de seguridad

```
odoo@shailapf40SGE1819:~$ nano copia.sql
```

Creamos una carpeta para las copias de seguridad:

```
odoo@shailapf40SGE1819:~$ mkdir copia_de_seguridad
```

```
odoo@shailapf40SGE1819:~$ mkdir copia_de_seguridad
odoo@shailapf40SGE1819:~$ cd copia_de_seguridad
odoo@shailapf40SGE1819:~/copia_de_seguridad$
```

```
odoo@shailapf40SGE1819:~$ pg_dump prueba > $(date +"%m_%d_%Y")copia.sql
```

```
odoo@shailapf40SGE1819:~/copia_de_seguridad$ pg_dump prueba > $(date +%d_%m_%Y)copia.sql
odoo@shailapf40SGE1819:~/copia_de_seguridad$ ls
08_11_2018copia.sql
odoo@shailapf40SGE1819:~/copia_de_seguridad$
```

Primero apagar odoo

Hay que salir de odoo e ir desde root a la carpeta donde está sys

```
root@shailapf40SGE1819:/etc/systemd/system# systemctl stop odoo10.service
```

```
root@shailapf40SGE1819:~# ps aux | grep odoo
odoo      8630  0.0  40.2 1232320 211188 ?        Ssl  07:52   3:44 python /home/odoo/odoo/odoo-bin -c /home/odoo/odoo-
server.conf
postgres  8724  0.0  0.4 292732 2224 ?        Ss   08:00   0:00 postgres: odoo postgres 127.0.0.1(32798) idle
postgres  8836  0.0  14.5 317168 76516 ?        Ss   08:22   0:15 postgres: odoo InformaticaSotrandio 127.0.0.1(34962)
) idle
postgres  8840  0.0  14.9 313440 78400 ?        Ss   08:22   1:21 postgres: odoo InformaticaSotrandio 127.0.0.1(34990)
) idle
postgres  8901  0.0  14.3 309396 75012 ?        Ss   08:23   0:13 postgres: odoo InformaticaSotrandio 127.0.0.1(35044)
) idle
postgres 10814  0.0  7.3 295152 38300 ?        Ss   10:22   0:00 postgres: odoo InformaticaSotrandio 127.0.0.1(44376)
) idle
root      13244  0.0  0.5 49344 3008 pts/2    S    15:29   0:00 su odoo
odoo      13245  0.0  0.8 19428 4500 pts/2    S    15:29   0:00 bash
root      13527  0.0  0.1 11288 1012 pts/4    S+   15:57   0:00 grep --color=auto odoo
root@shailapf40SGE1819:~#
```

Una vez apagada restauramos la BBDD

```
odoo@shailapf40SGE1819:~$ createdb prueba
```

Lo hay que hacer como Odoo para que no nos de problemas.

```
odoo@shailapf40SGE1819:~$ psql prueba < 11_15_2018copia.sql
```

Encendemos la base de datos de nuevo.

```
root@shailapf40SGE1819:/etc/systemd/system# systemctl start odoo10.service
```

Vamos a Odoo y refrescamos para comprobar que la copia se ha restaurado.



Warning, your Odoo database manager is not protected. Please [set a master password](#) to secure it.

InformaticaSotondio	Backup Duplicate Delete
prueba	Backup Duplicate Delete
shaila	Backup Duplicate Delete

[Create Database](#) [Restore Database](#) [Set Master Password](#)

Para realizar una copia de seguridad en una fecha determinada, deberemos crear un script, por ejemplo copia.sh y copiamos allí el comando:

```
pg_dump prueba > $(date +"%m_%d_%Y")copia.sql
root@shailapf40SGE1819:/etc/systemd/system# nano copia.sh
```

Cuando lo tengamos hecho tendremos que darle permisos:

```
odoo@shailapf40SGE1819:~$ chmod +x copia.sh
```

```
odoo@shailapf40SGE1819:~$ nano copia.sh
odoo@shailapf40SGE1819:~$ chmod +x copia.sh
odoo@shailapf40SGE1819:~$ ls -lht
total 41M
-rwxrwxr-x 1 odoo odoo 50 Nov 15 16:29 copia.sh
-rw-rw-r-- 1 odoo odoo 21M Nov 15 15:41 11_15_2018copia.sql
-rw-rw-r-- 1 odoo odoo 21M Nov 15 15:41 copia.sql
drwxrwxr-x 2 odoo odoo 4.0K Nov 8 09:17 copia_de_seguridad
drwxrwxr-x 99 odoo odoo 4.0K Oct 25 10:38 server-tools
drwxrwxr-x 15 odoo odoo 4.0K Oct 25 09:45 account-financial-reporting
drwxrwxr-x 18 odoo odoo 4.0K Oct 25 09:25 reporting-engine
drwxrwxr-x 66 odoo odoo 4.0K Oct 25 08:50 partner-contact
drwxrwxr-x 44 odoo odoo 4.0K Oct 25 07:46 ll0n-spain
-rw-rw-r-- 1 odoo odoo 174 Oct 11 16:13 odoo-server.conf
-rw-rw-r-- 1 odoo odoo 173 Oct 11 15:19 odoo.server.conf
drwxrwxr-x 10 odoo odoo 4.0K Oct 11 14:32 odoo
odoo@shailapf40SGE1819:~$
```

Crontab -l: analiza que crontab tiene el usuario.

Crontab -e: Editar archivo de crontab, pregunta que editor queremos usar.

```
odoo@shailapf40SGE1819:~$ crontab -e
```

Hay que poner la ruta entera del archivo

```
30 15 * * 5 /home/odoo/copia.sh
```

```
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h dom mon dow command
30 15 * * 5 /home/odoo/copia.sh
```

TEORÍA

Crontab -l: analiza que crontab tiene el usuario.

Crontab -e: Editar archivo de crontab, pregunta que editor queremos usar.

Como hacer un backup del directorio home de Linux:

m h dom mon dow command

m: min (0-59) (Si ponemos 0 a en punto).

* Para que se ejecute todos los días del mes, por ejemplo.

Cada línea de este archivo está formada por 7 columnas

1. Minutos (de 0 a 59)
2. Horas (de 0 a 23)
3. Día (de 1 a 31)
4. Mes (de 1 a 12)
5. Día de la semana (de 0 a 7, donde 0 o 7 es domingo)
6. usuario (opcional)
7. orden para ejecutar

Un asterisco en cualquiera de las primeras 5 columnas indica todos, es decir si queremos que algo se ejecute todos los meses en la columna del mes podremos un asterisco.

Como funcionan estas columnas.

5 * * * * se ejecutará el minuto 5 de cada hora todos los días.
0 2 * * * a las 2:00H en punto cada día.
0 2 * * 0 a las 2:00h todos los domingos del año.
* 5 * * 1 todos los minutos de las 5:00 a 5:59 de todos los lunes.
2 * 10 4 * el minuto dos de cada hora el día 10 de abril de cada año.
0 3 * * 6 a las 03:00 horas de todos los sábados

Si tenemos varias líneas: **mejor hacer un script con los comandos y luego ejecutarlo en anterior, poner la ruta absoluta del script SIEMPRE.**

pg_dump

Guardar la salida de un comando ls > salidals.txt
cat salidals.txt (para verlo)

pg_dump -Fc mydb > db.dump

#restore the database

pg_restore -d newdb db.dump

Hay que pasar la password de la bdd

Establecer variable de entorno en el script, en primera línea

export PGPASSWORD=""

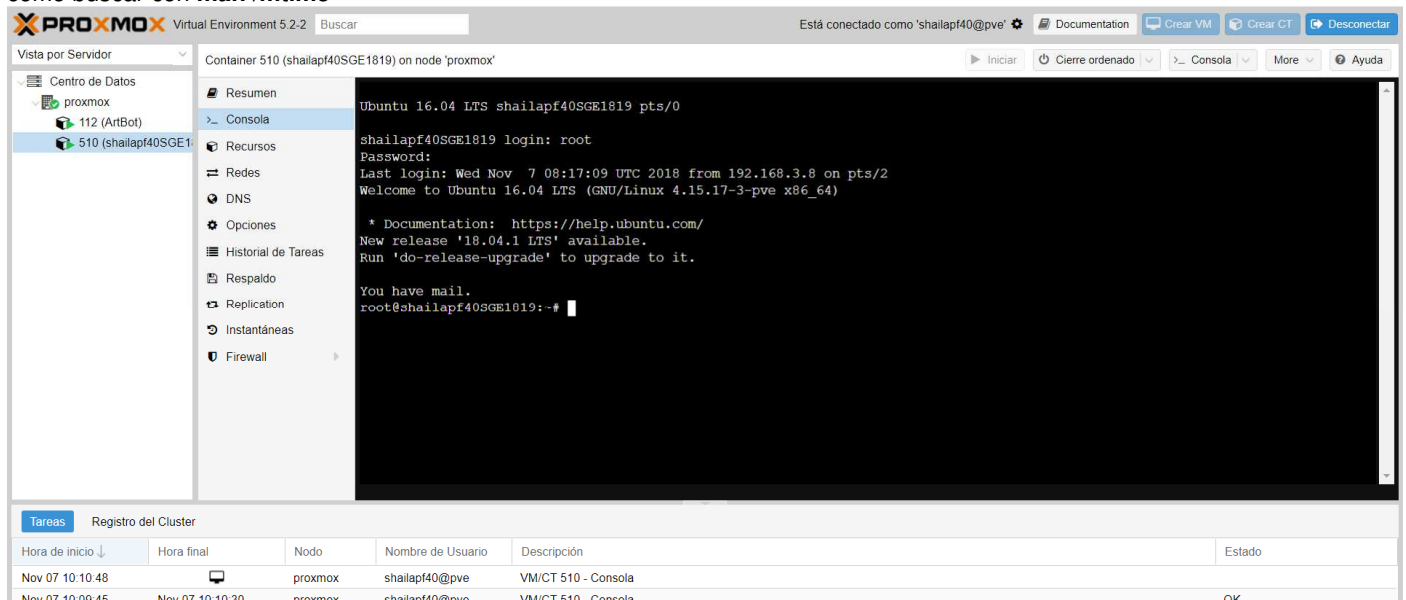
Para que no machaque la copia de seguridad usar Date.

\$(date +"%m %d %Y")dump.sql → el símbolo del dólar es para que ejecute lo que va en paréntesis.

Luego borrar y quedarnos con las que nos interese.

find ./my_dir -mtime *10 -type f -delete

como buscar con **man /mtime**



Hora de inicio	Hora final	Nodo	Nombre de Usuario	Descripción	Estado
Nov 07 10:10:48		proxmox	shailapf40@pve	VM/CT 510 - Consola	
Nov 07 10:09:45	Nov 07 10:10:30	proxmox	shailapf40@pve	VM/CT 510 - Consola	OK