M010: Sistemes de Gestió Empressarial

UF2-Sistemes ERP-CRM. Explotació

Activitat 202 - Desenvolupament i integració de mòduls per a sistemes ERP-CRM

Curs: 2019-20

CFGS: DAM2

Alumne: Arnau Subirós Puigarnau

Data: 14-04-2020



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Activitat 202- Desenvolupament i integració de mòduls per a sistemes ERP-CRM

OBJECTIU DE L'ACTIVITAT

Desenvolupar un component per a un sistema ERP analitzant i utilitzant el llenguatge de programació incorporat.

PROCEDIMENT

 Emprant com a base del mòdul a desenvolupar l'activitat d'exemple de desenvolupament i integració de mòduls per a sistemes ERP-CRM, s'ha de pensar una utilitat per a Odoo, desenvolupada en llenguatge Python, que s'integri al sistema com a un nou mòdul.



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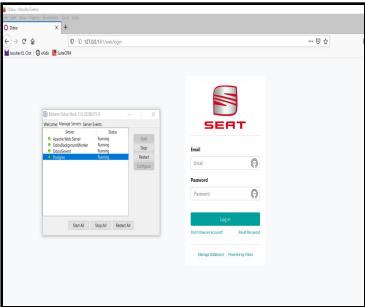


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1.-Desenvolupar un mòdul a Odoo 13

 Com que en aquesta pràctica l'objectiu no és instal.lar ODOO sinó desenvolupar un mòdul ,em descargo Stack Odoo desde https://bitnami.com/stack/odoo





• Verifiquem la versió de Python

```
D:\ERP-Odoo>python --version
Python 3.7.4
D:\ERP-Odoo>
```

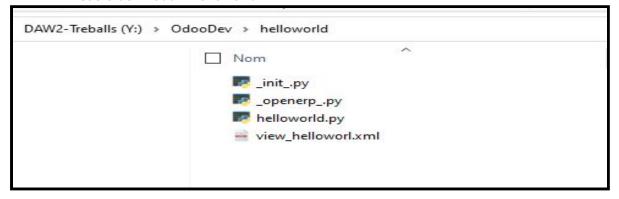


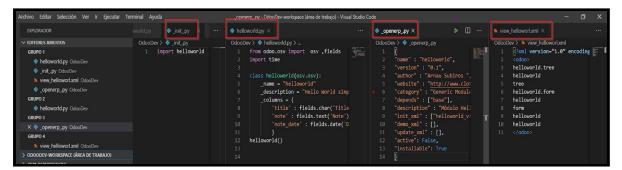
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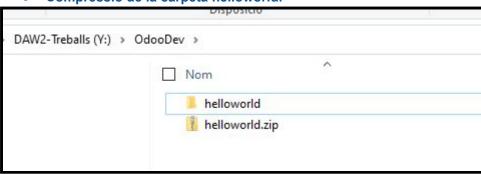
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• Creació del mòdul "helloworld"





• Compressió de la carpeta helloworld.

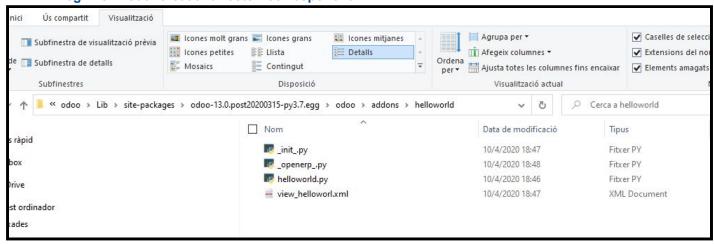




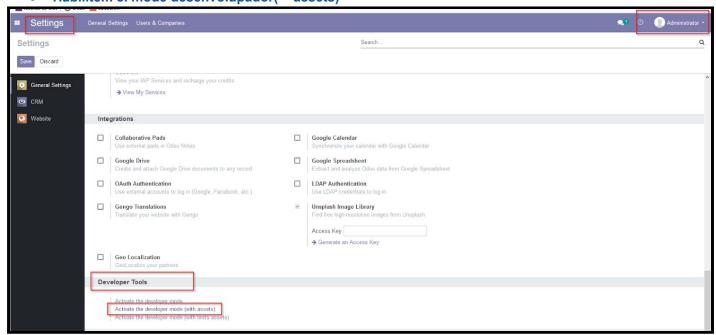
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• Afegim el mòdul creat al directori corresponent.



• Habilitem el mode desenvolupador(+ assets)





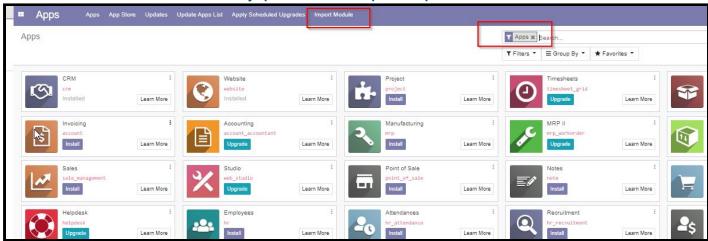
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• Amb el mode desenvolupador (desactivem el filtre APP) i busquem i instal.lem "Base import module"



• Tornem accedir al modul APP i ja podrem veure l'opcio "importar"

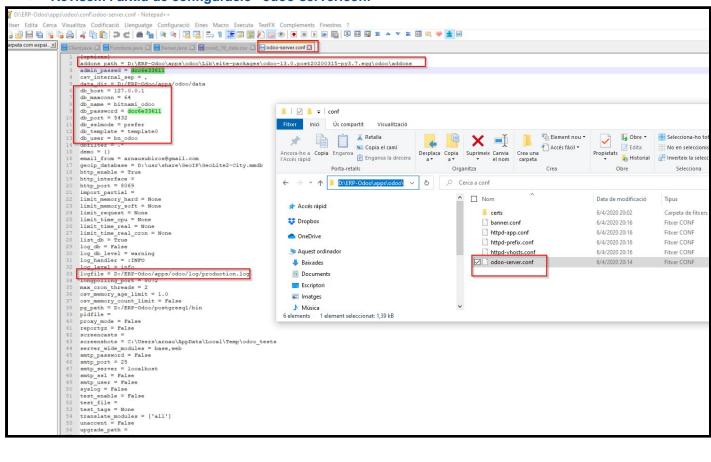






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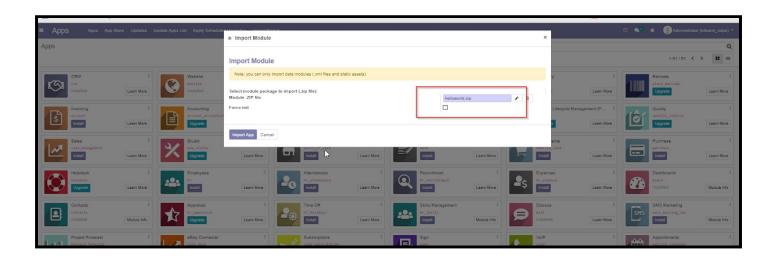
• Revisem l'arxiu de configuracio "odoo-server.conf

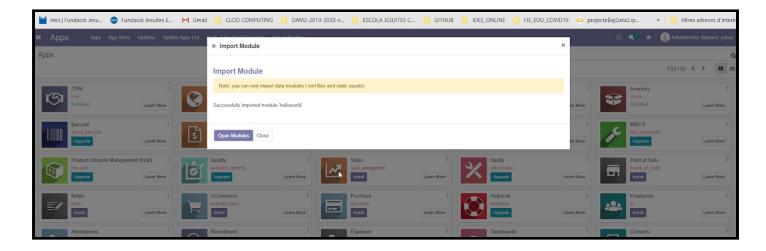




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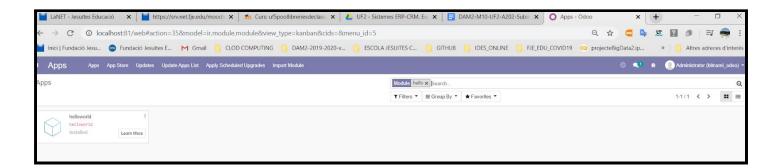
Data



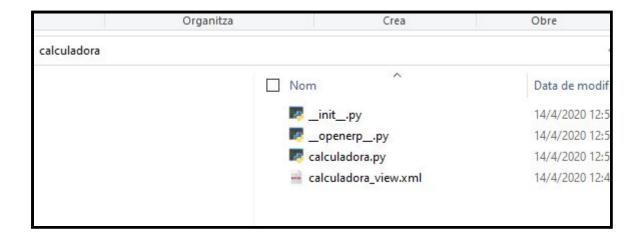
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| LaNET - Jesustes Educació | X | | | | https://srv.net.fije.edu/mocil | X | | | Curs. ufspoolibrenesdeclass | | | UF2 - Sistemes ERP-CRM. Ex. | | | DAM2-M10-UF2-A202-Subix | | Modules - Odoo | X | + - - - | | X | | | Wodules - Odoo | X | + - - | | X | | | Wodules - Odoo | X | + - - | | X | | | Wodules - Odoo | X | + - - | | X | | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | Wodules - Odoo | X | + - - | | X | | Wodules - Odoo | X | Wodules - Odoo |



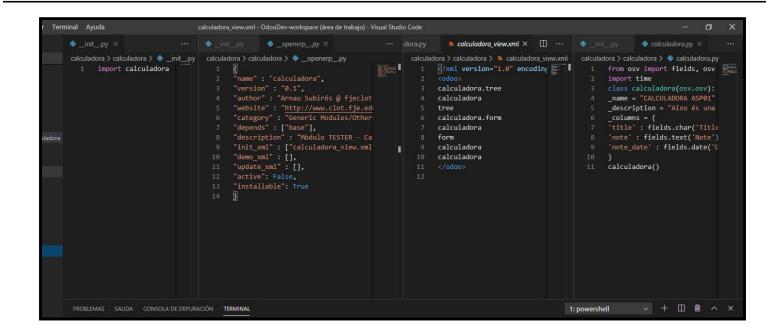
Fem una prova exemple - creant un mòdul anomenat Calculadora



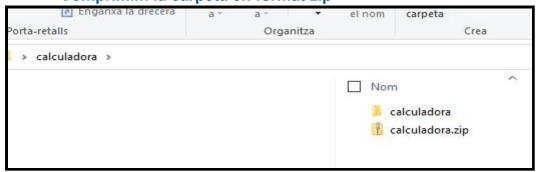




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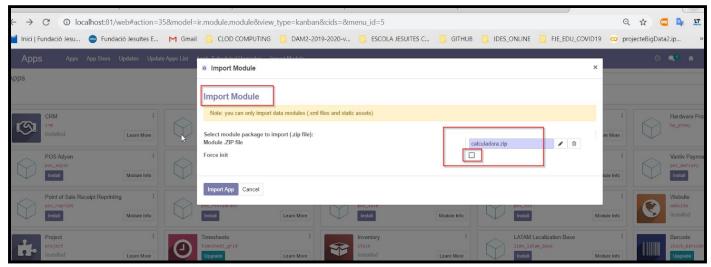
Comprimim la carpeta en format zip



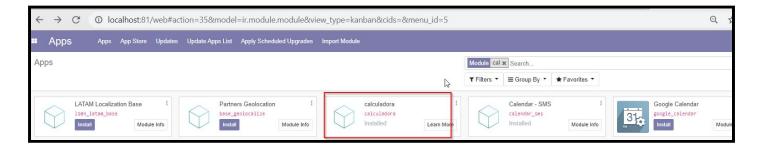


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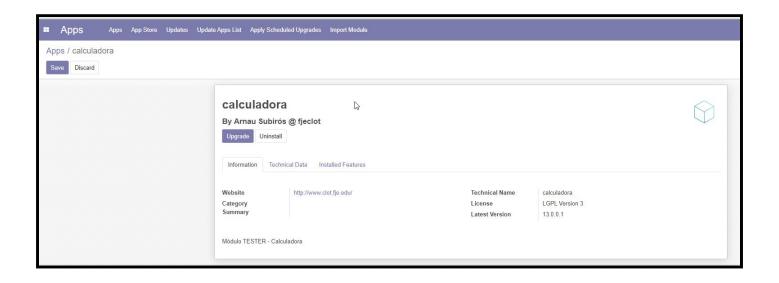
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2.- EXTRA Odoo 13 (VirtualBox)

 Farem proves, instal.lant Odoo 13 a una màquina virtual(Debian10) i importarem un mòdul de prova

Pasos a seguir:

1. Actualitzar el sistema

- sudo apt update
- sudo apt -y upgrade
- sudo reboot

2.Instal.lar PostgreeSQL

- sudo apt update
- sudo apt -y install gnupg2
- wget --quiet -O https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add -
- echo "deb http://apt.postgresql.org/pub/repos/apt/ `lsb_release -cs`-pgdg main" |sudo tee /etc/apt/sources.list.d/pgdg.list

3.Instal.lar PostgreeSQL 12 a Debian10

- sudo apt update
- sudo apt -y install postgresql-12 postgresql-client-12
- sudo systemctl status postgresql
- sudo systemetl is-enabled postgresql

4. Test de connexio PostgreSQL



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- sudo su -postgres
- psql -c "alter user postgres with password '1234' "
- psql =# \conninfo
 - o postgres=# CREATE DATABASE odoodb01;
 - o postgres=# CREATE USER odooUser1 WITH ENCRYPTED PASSWORD '1234';
 - o postgres=# GRANT ALL PRIVILEGES ON DATABASE odoodb01 to odooUser1;
 - o postgres=# \1
- sudo systemel restart postgresql

5. Instal.lar wkhtmltopdf a Debian10

- sudo apt update
- sudo apt -y install wget
- wget https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.5/wkhtmltox_0.12.5-1.stretch_amd64_deb_
- sudo dpkg -i wkhtmltox_0.12.5-1.stretch_amd64.deb
- sudo apt -f install
- wkhtmltopdf --version

6.Instal.lar Odoo 13 a Debian 10

- wget -O https://nightly.odoo.com/odoo.key | sudo apt-key add -
- echo "deb http://nightly.odoo.com/13.0/nightly/deb/ ./" | sudo tee /etc/apt/sources.list.d/odoo.list
- sudo apt update
- sudo apt install odoo
- sudo systemetl status odoo
- sudo systemctlenable --now odoo
- sudo netstat -atupn | grep 8069
- http://localhost:8069/web/database/selector



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versio PosgreeSQL

```
arsupu@asp-debian10: ~

Fitxer Edita Vista Cerca Terminal Ajuda

postgres@asp-debian10: ~$ psql

psql (12.2 (Debian 12.2-2.pgdg100+1))

Type "help" for help.

postgres=#
```

verifiquem l'estat del servidor

```
🛅 Debian-20191209 (Captura 2-Odoo-Prova01) [S'està executant] - Oracle VM VirtualBox
 Fitxer Màquina Visualitza Entrada Dispositius Ajuda
Aplicacions Llocs Sistema
                                                                                arsupu@asp-debian10: ~
Fitxer Edita Vista Cerca Terminal Ajuda
arsupu@asp-debian10:~$ sudo systemctl status odoo.service
[sudo] contrasenya per a arsupu:

    odoo.service - Odoo Open Source ERP and CRM

  Loaded: loaded (/lib/systemd/system/odoo.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2020-04-13 11:34:53 CEST; 23h ago
 Main PID: 10721 (odoo)
   Tasks: 4 (limit: 2347)
   Memory: 175.6M
   CGroup: /system.slice/odoo.service L10721 /usr/bin/python3 /usr/bin/odoo --config /etc/odoo/odoo.conf --logfile /var/log/odoo/odoo-server.log
d'abr. 13 11:34:53 asp-debian10 systemd[1]: Started Odoo Open Source ERP and CRM.
arsupu@asp-debian10:~$
```

revisem que el port 8069 estigui actiu

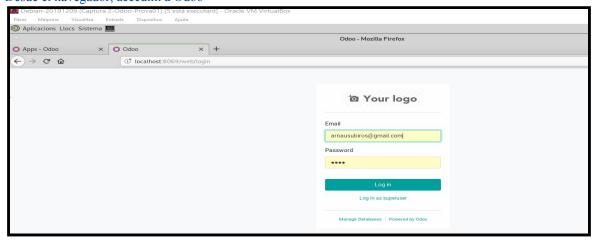




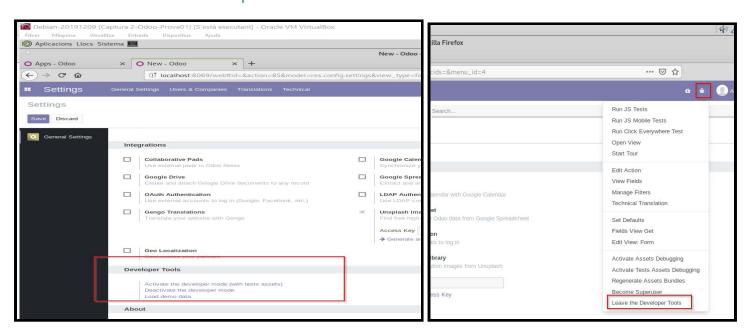
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Desde el navegador, accedim a Odoo



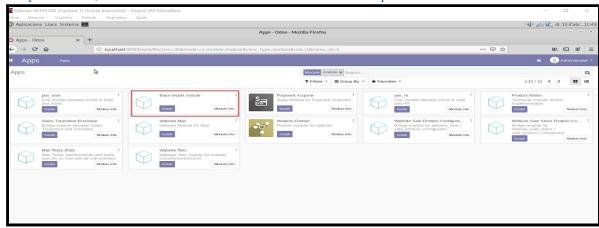
Activem el modul desenvolupador +assets



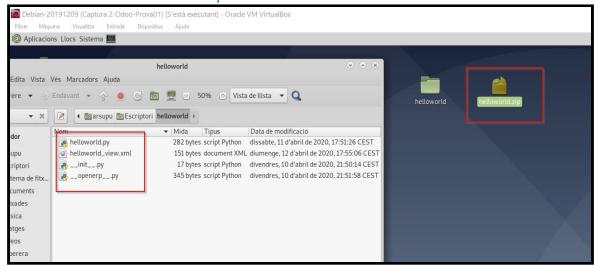


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En opcions APP, triem el filtre "APP" i instal.lem el modul "Base Import Module"



Crecio del mòdul "helloworld" i el comprimim"

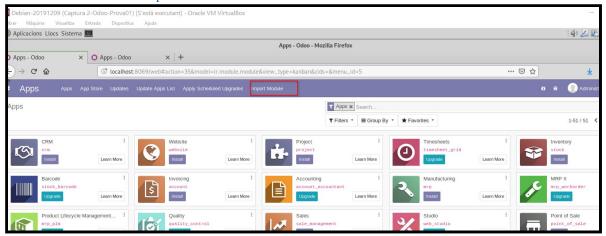


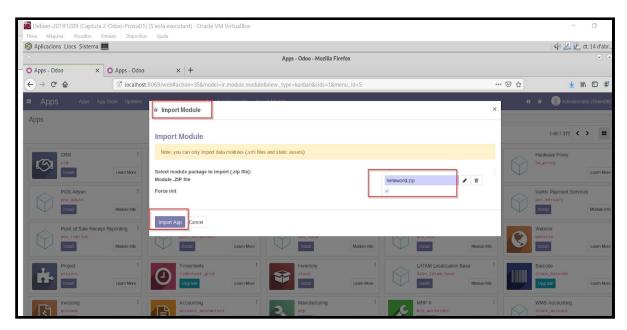


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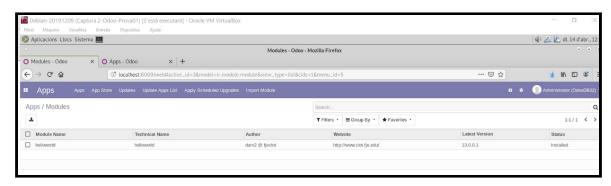
Desde APPS selecionem Import Mòdul

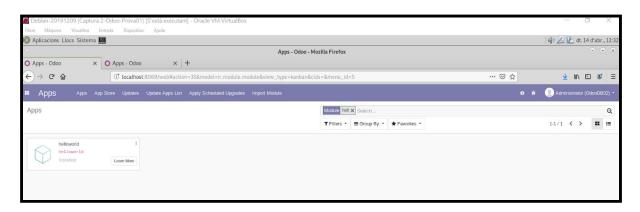




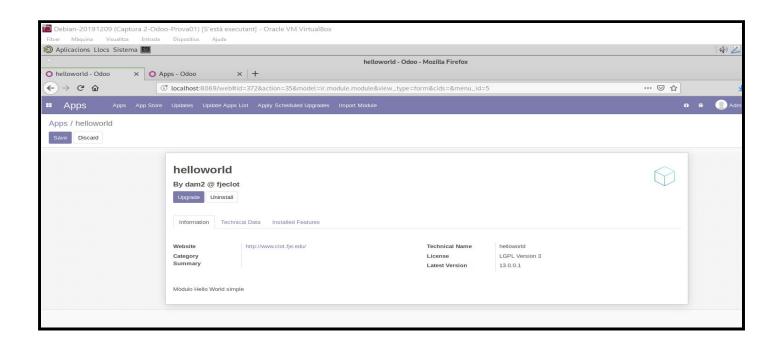


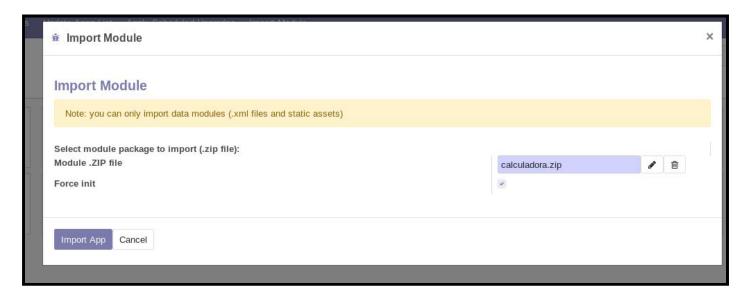




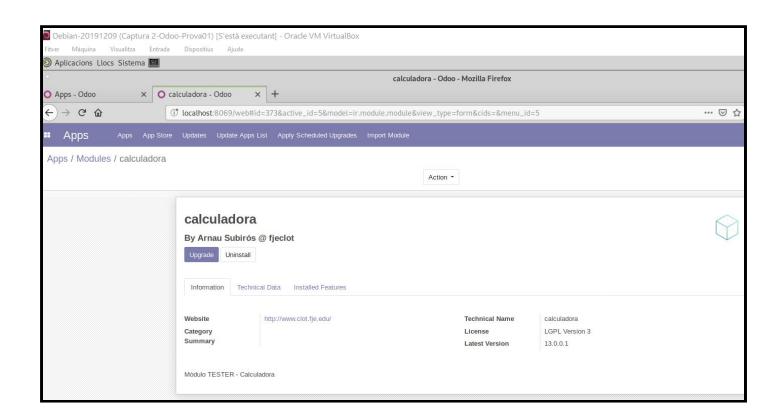














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3.-BIBLIOGRAFIA

- https://stackoverflow.com/questions/22259551/openerp-custom-module-not-showing-after-modules-list-update/22355880
- https://docs.bitnami.com/installer/apps/odoo/configuration/install-plugins
- https://doc.odoo.com/6.0/developer/2_4_module_development/module_descriptor/
- https://erpcrmpymes.wordpress.com/2018/02/17/linea-de-comandos-e-instalacion-de-nuevos-modulos-temas/
- https://docs.bitnami.com/google/apps/odoo/configuration/install-plugins/
- https://hub.packtpub.com/step-by-step-guide-to-creating-odoo-addon-modules/
- https://computingforgeeks.com/how-to-install-odoo-on-debian-10-linux/