

Comparativa d'ERP entre Openbravo i Odoo

En aquesta pràctica examinarem diferents aspectes dels sistemes ERP (Enterprise Resource Planning) d'Openbravo i Odoo per a comparar-los.

Opcions per a allotjar el servidor

Openbravo ofereix els seus servidors al núvol d'Amazon i també opcions d'instal·lació a nivell local.

The screenshot shows the Openbravo wiki page for 'Installation/Appliance'. The page has a sidebar with a 'JOIN THE CONVERSATION' section, a 'Toolbox' with links like 'Main Page', 'Upload file', 'What links here', 'Recent changes', and 'Help', and a 'Participate' section with links like 'Communicate', 'Report a bug', 'Contribute', and 'Talk to us now!'. The main content area has a 'Contents' table of contents with links to 'Introduction', 'What's new in Appliance 20.04', 'Usage difference in Appliance 20.04 compared to 18.04', 'Usage difference in Appliance 20.04 compared to 18.04 (ISO only)', 'What's new in Appliance 18.04', 'Usage difference in Appliance 18.04 compared to 14.04', 'What's new in Appliance 14.04', 'Usage difference in Appliance 14.04 compared to 12.04', 'Provided platform', 'Amazon EC2 AMI', 'ISO', and 'VMware'. The 'Introduction' section states: 'The appliance is the recommended way to use Openbravo. The Openbravo appliance is a: Standard Ubuntu Server LTS (20.04 LTS since Q2 2023, 18.04 LTS since Openbravo PR18Q4, 14.04 LTS for earlier Openbravo releases) With a preinstallation of needed packages: Apache, Apache Tomcat, PostgreSQL, etc'. On the right, there is a diagram with a central box labeled 'Appliance' containing 'Appliance EC2 Amazon Cloud' and 'Appliance ISO For physical servers, VMware, Virtualbox'. Above this box is the word 'núvol' and below it is 'local'. To the left of the box is 'Installation' and to the right is 'Work with Openbravo / Configure appliance'.

La instal·lació local es coneix com Appliance ISO.

Appliance ISO

Intended for production servers.

Can be used in:

- Physical servers
- Virtualization options like VMWare Server, Virtualbox, etc.
- Any hosting provider that allows to use your own ISO
- In general, all the places in which Ubuntu Server is valid should be also fine for the Openbravo Appliance.

The installation is basically the same that an Ubuntu Server ISO.

El servei de núvol es diu Appliance EC2 i és un tipus d'IaaS (Infrastructure as a Service).

Introduction

Intended for production and testing.

Openbravo builds the Openbravo Appliance also as Amazon EC2 AMI (Amazon Machine Images), so that you can just start a new instance and have a server capable of running Openbravo up and running in a matter of minutes. This getting started instructions will guide you through the process of setting up and running an Openbravo Amazon EC2 instance. For the end of this guide you can expect the following achievements:

- Set up an Amazon EC2 account (if you don't have one).
- Run an Openbravo instance.
- Learn how to make full backups (snapshots) and how to restore them.

Sign up for EC2

To use Amazon EC2 you need an AWS (Amazon Web Services) account. If you don't already have one, you'll be prompted to create one when you sign up for Amazon EC2. To sign up for Amazon EC2:

- Go to <http://aws.amazon.com/ec2> and click **Sign Up for Amazon EC2**.
- Follow the on-screen instructions.

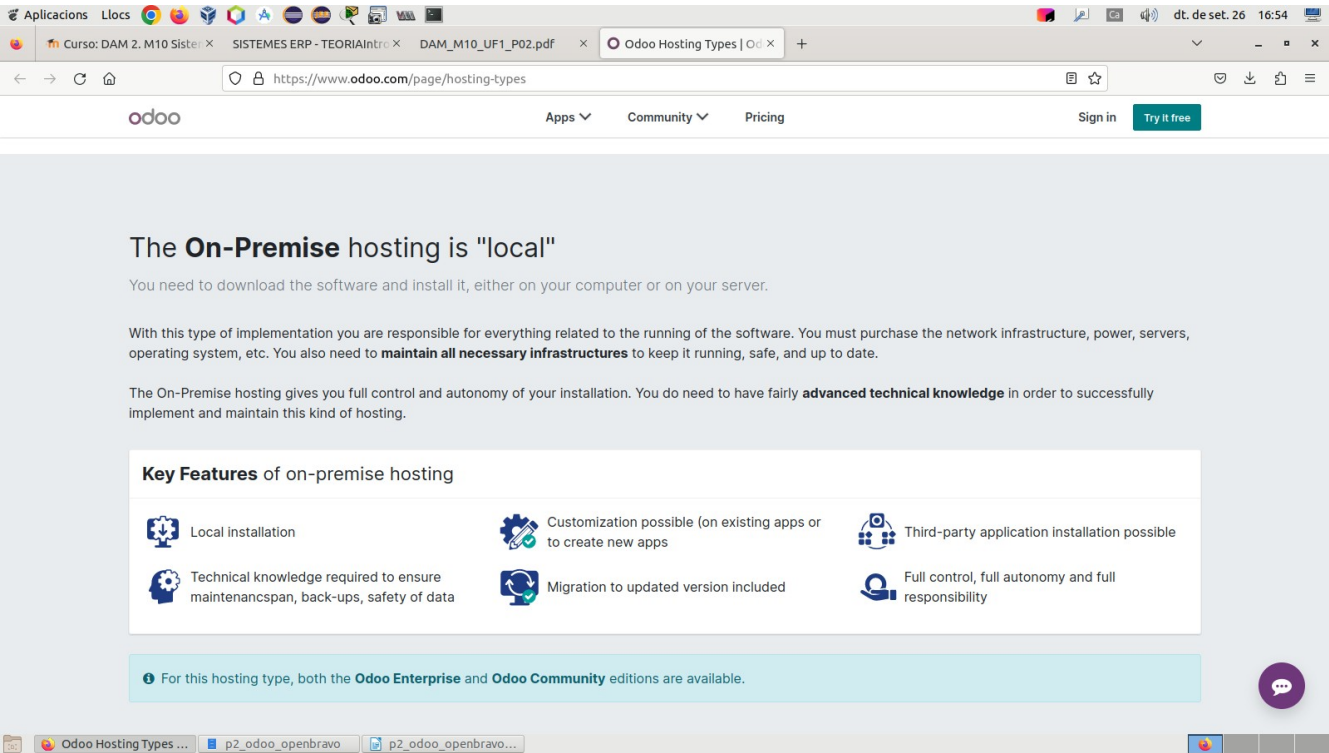
També ofereix serveis PaaS (Platform as a Service) adreçats a minoristes, com per exemple botigues.

The screenshot shows the Openbravo Cloud website. The header includes the Openbravo logo (Groupe DL Software) and navigation links: SOLUTIONS, SERVICES, RESOURCES, CUSTOMERS, COMPANY, CONTACT, and a GUIDED PRODUCT TOUR button. The main heading is 'What is Openbravo Cloud?'. Below it, a paragraph states: 'Openbravo Cloud is a single-tenant platform-as-a-service (PaaS) cloud option for retail. It offers retailers a highly secure infrastructure, which is provisioned, operated and maintained by Openbravo. On Amazon Web Services or Microsoft Azure, tailored to the needs of each retailer to maximize the success of their unified commerce strategy.' Below this, four key features are highlighted with icons and text: Agile (Fast deployments and highly scalable according to needs), Optimized (Single tenant, designed for each retailer's requirements), Managed (Deployed and monitored 24/7/365 by Openbravo cloud experts), and Secure (At every level of the infrastructure and with protection against cyberattacks).

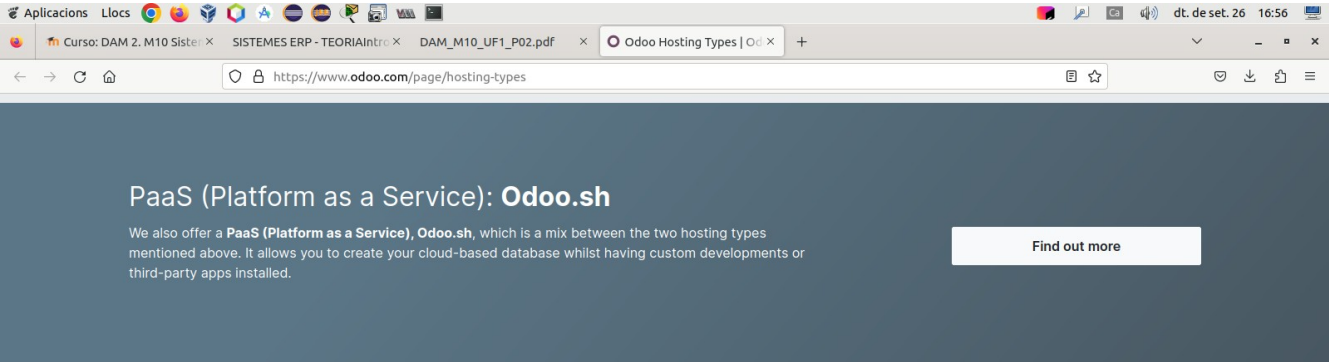
També té disponibles serveis SaaS (Software as a Service), també per a minoristes.

The screenshot shows the Openbravo Commerce Cloud website. The header includes the Openbravo logo (Groupe DL Software) and navigation links: SOLUTIONS, SERVICES, RESOURCES, CUSTOMERS, COMPANY, CONTACT, and a GUIDED PRODUCT TOUR button. The main heading is 'Openbravo Commerce Cloud' followed by 'Cloud-based retail SaaS platform for unified commerce'. Below it, a paragraph states: 'Discover the retail software that enables enhanced unified commerce experiences and greater agility to adapt and innovate.' Below this, six services are highlighted with icons and text: OPENBRAVO COMMERCE CENTRAL (Central commerce back office), OPENBRAVO STORE (Multi-store solution), OPENBRAVO OMS (Order management intelligence), OPENBRAVO WMS (Warehouse and inventory management), OPENBRAVO REPORTING (Reports and dashboards), and TECHNOLOGY PLATFORM (Cloud and mobile modular architecture). Each service has a 'LEARN MORE' button.

Per la seva banda, Odoo disposa d'una instal·lació local anomenada On-Premise.



Pel que fa al serveis remots, El servei PaaS d'Odoo s'anomena Odoo.sh.



In short

Version	Online ¹	On-Premise ²
Odoo Enterprise	✓	✓
Odoo Community	✗	✓

¹ Accessible from the cloud. No installation required.

² Odoo is installed on your computer or server. Local access by default.

El servei SaaS s'anomena simplement Online.

Aplicacions Llocs

Curso: DAM 2. M10 Siste... SISTEMES ERP - TEORIAIntro x DAM_M10_UF1_P02.pdf x Odoo Hosting Types | Odoo x

https://www.odoo.com/page/hosting-types

odoo Apps Community Pricing Sign in Try it free

The **Online** hosting is the SaaS (Software as a Service) type

It allows you to access your Odoo database from the cloud.

Through a web browser, you simply need to **connect to odoo.com with your credentials** and you can access your database. With this type of hosting, you have no responsibility to maintain your database as **everything is managed by Odoo**.

Key Features of online hosting

- Cloud-based
- No server maintenance required
- 100% hacking-safe
- Internet connection required
- Migration to updated version included
- Odoo standard (no customizations)
- No installation required
- Email server included
- Odoo apps only (no third-party apps)

For this hosting type, only the **Odoo Enterprise** edition is available.

Odoo Hosting Types ... p2_odoo_openbravo p2_odoo_openbravo...

La part IaaS no ve facilitada com a tal en el cas d'Odoo, de manera que caldria llogar un servidor i tota la infraestructura relacionada per a després instal·lar-lo, un procés més elaborat que amb Openbravo, però també més lliure. Openbravo ofereix aquestes solucions més simplificades perquè les té vinculades amb Amazon, facilitant el procés a canvi de la llibertat d'escollir.

Requeriments de SO i BD

Openbravo admet qualsevol sistema operatiu, sempre que tingui Java. Pel que fa a bases de dades, Oracle havia estat suportat fins una actualització recent; ara suporta principalment PostgreSQL.

Aplicacions Llocs

Curso: DAM 2. M10 Siste... DAM_M10_UF1_P02.pdf x System Requirements - C x

wiki.openbravo.com/wiki/System_Requirements

As every usage scenario is different and there's no standard the real bandwidth usage in practice may differ from those given above.

Server: Java based = multiplatform

Openbravo runs wherever the Java JDK works. This currently means:

- Operating systems: Windows, any Linux distribution, FreeBSD, Mac OS X, Solaris and more.
- Architectures: x86, x86_64, IA64, Sparc, PowerPC, AIX.

PostgreSQL should also be supported by your target system

Server: software stack

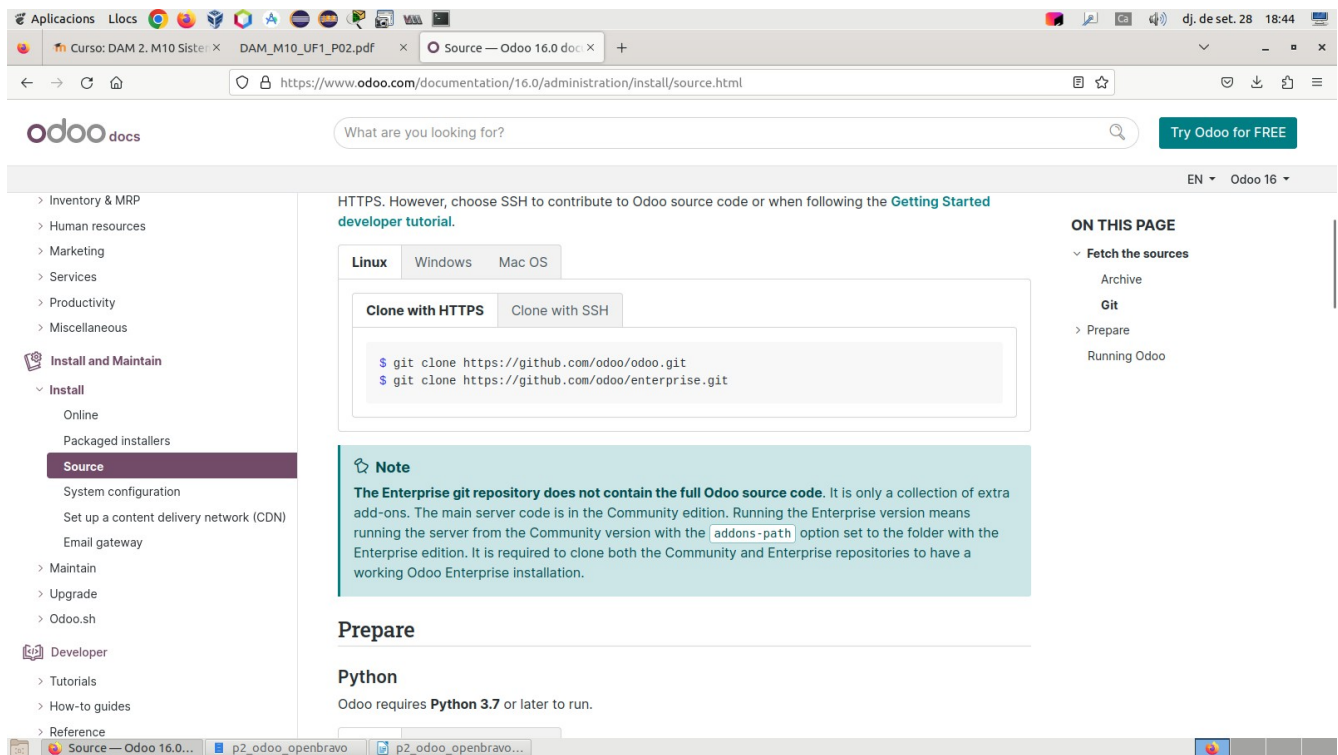
If a new major version is not listed here it means it is not yet tested and it's not officially supported.

Stack component	Supported versions	Recommended version	Notes
Java SE	11	Latest 11.x	OpenJDK and Oracle JDK supported • Java 11 supported starting with PR18Q2
PostgreSQL	10.x, 11.x, 12.x, 13.x, 14.x, Amazon RDS	Latest 10.x	With UUID support enabled (contrib) until PR18Q1 • PostgreSQL 10 supported starting with PR18Q1 • PostgreSQL 11 supported starting with PR18Q1 • PostgreSQL 12 supported starting with PR20Q1 • PostgreSQL 13 supported starting with PR20Q4 • PostgreSQL 14 supported starting with PR21Q3 • Amazon RDS supported starting with PR18Q1
Oracle	not supported anymore	-	Oracle database support was removed in 23Q4 release
Apache Tomcat	8.5.x (x >= 24)	Latest 8.5.x	• Tomcat 8.5 supported starting with PR18Q2 • At least 8.5.24 is required (with Java11) starting with PR18Q1
Apache Ant	1.9.2 or higher	Latest 1.10.x	Starting from 3.0PR18Q2, lower than 1.9.2 is no longer supported Since 19Q1 1.10.6 is required. See changes list below for details. With Java-8 at least 1.9.4 is required. See changes list below for details.
Apache HTTP Server	2.4.x	Latest 2.4.x	Optional but recommended
Apache mod_jk connector	1.2.x	Latest 1.2.x	Optional but recommended
Apache Tomcat Native	1.1.x, 1.2.x	Latest 1.2.x	Optional but recommended

Changes in Software stack support:

System Requiremen... p2_odoo_openbravo p2_odoo_openbravo...

Odoo, per la seva banda, suporta qualsevol sistema operatiu Linux, Windows o Mac.



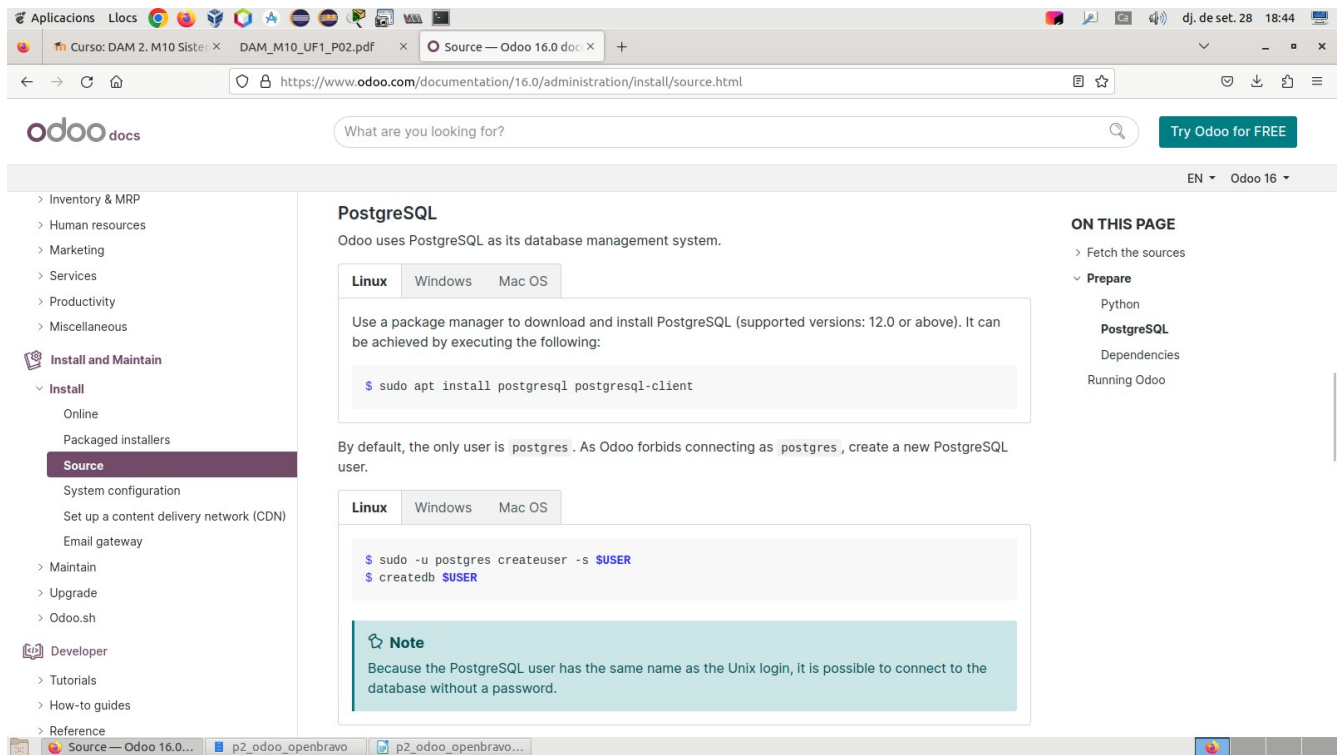
The screenshot shows the Odoo 16.0 documentation page for installing from source on Linux. The page is titled "Source — Odoo 16.0 docs" and is part of the "Install and Maintain" section. The left sidebar lists various topics, with "Source" highlighted under "Install". The main content area is titled "Linux" and "Clone with HTTPS". It provides the following commands to clone the repository:

```
$ git clone https://github.com/odoo/odoo.git
$ git clone https://github.com/odoo/enterprise.git
```

A note states: "The Enterprise git repository does not contain the full Odoo source code. It is only a collection of extra add-ons. The main server code is in the Community edition. Running the Enterprise version means running the server from the Community version with the `addons-path` option set to the folder with the Enterprise edition. It is required to clone both the Community and Enterprise repositories to have a working Odoo Enterprise installation."

The "Prepare" section is also visible, indicating that Odoo requires Python 3.7 or later to run.

Com a base de dades, igual que Openbravo, utilitza PostgreSQL.



The screenshot shows the Odoo 16.0 documentation page for installing PostgreSQL on Linux. The page is titled "PostgreSQL" and is part of the "Install and Maintain" section. The left sidebar lists various topics, with "PostgreSQL" highlighted under "Install". The main content area is titled "Linux" and "Use a package manager to download and install PostgreSQL (supported versions: 12.0 or above). It can be achieved by executing the following:

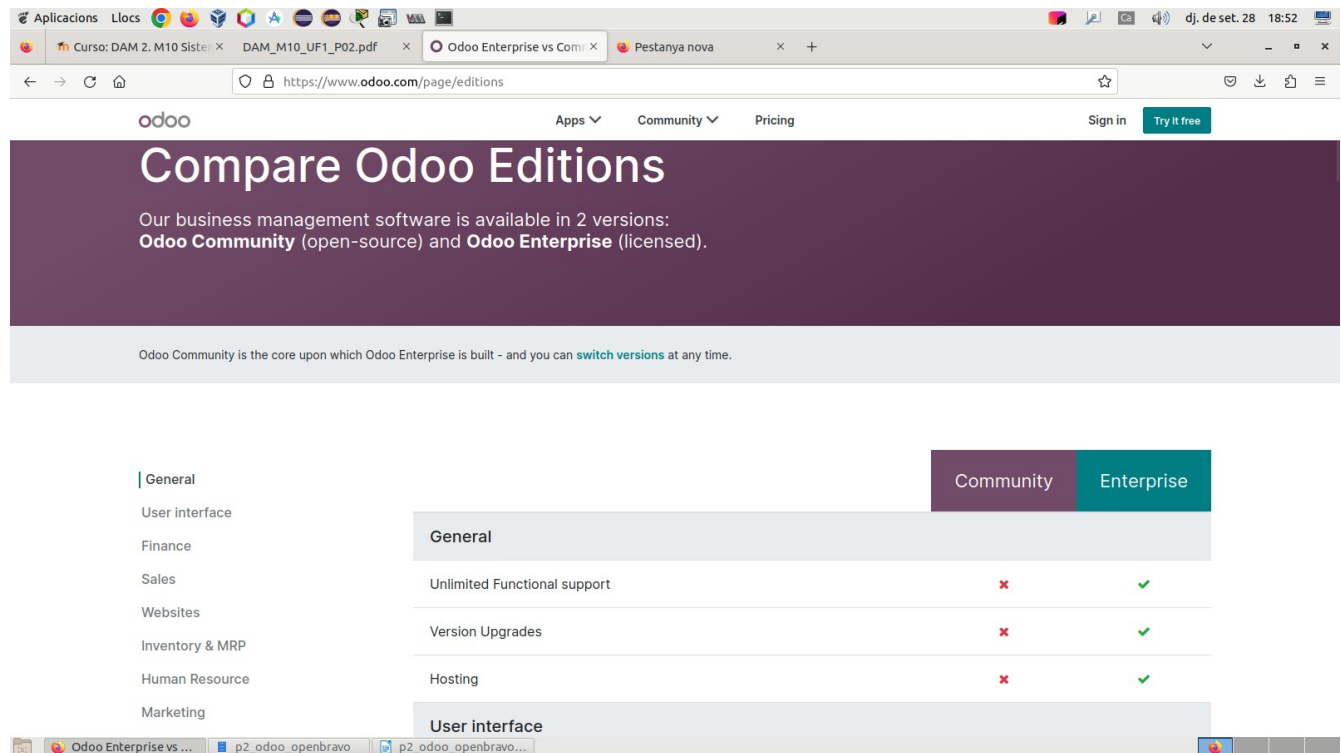
```
$ sudo apt install postgresql postgresql-client
```

By default, the only user is `postgres`. As Odoo forbids connecting as `postgres`, create a new PostgreSQL user.

The "Prepare" section is also visible, indicating that Odoo requires Python 3.7 or later to run.

Tipus de llicències

Odoo disposa de versió empresarial amb llicència propietària (Enterprise) i versió amb llicència lliure (Community) per a persones individuals o qualsevol entorn no empresarial.



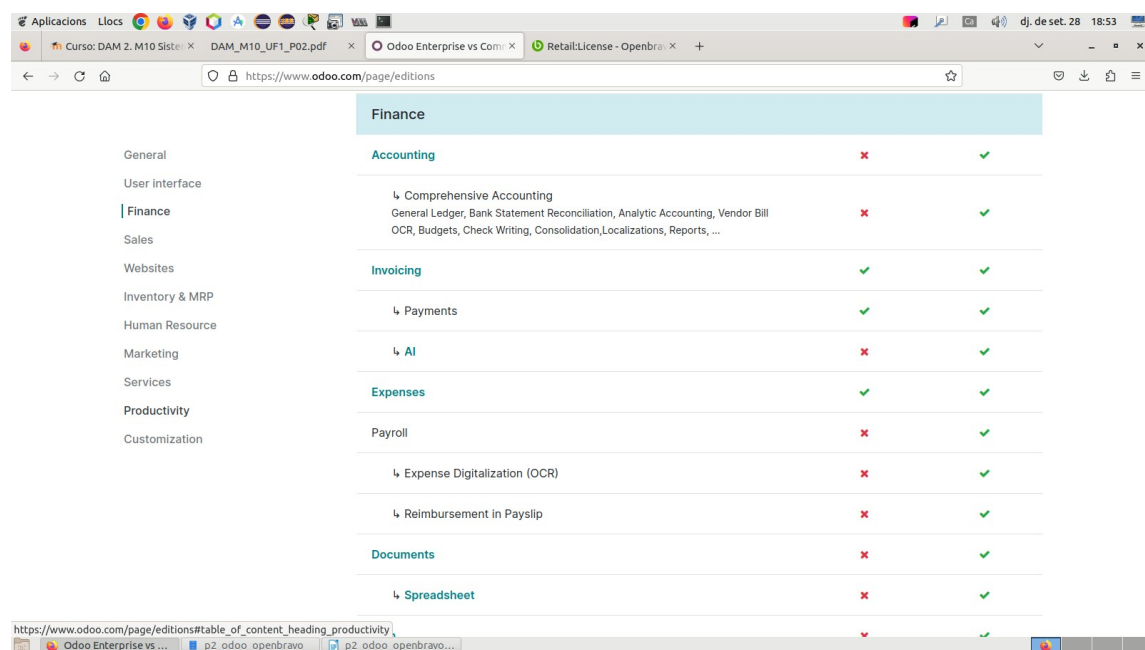
Compare Odoo Editions

Our business management software is available in 2 versions: **Odoo Community** (open-source) and **Odoo Enterprise** (licensed).

Odoo Community is the core upon which Odoo Enterprise is built - and you can [switch versions](#) at any time.

	Community	Enterprise
General		
Unlimited Functional support	✗	✓
Version Upgrades	✗	✓
Hosting	✗	✓
User interface		

És interessant recalcar que la versió Community no disposa del mòdul de comptabilitat.



Finance

	Community	Enterprise
Accounting	✗	✓
↳ Comprehensive Accounting General Ledger, Bank Statement Reconciliation, Analytic Accounting, Vendor Bill OCR, Budgets, Check Writing, Consolidation, Localizations, Reports, ...	✗	✓
Invoicing	✓	✓
↳ Payments	✓	✓
↳ AI	✗	✓
Expenses	✓	✓
Payroll	✗	✓
↳ Expense Digitalization (OCR)	✗	✓
↳ Reimbursement in Payslip	✗	✓
Documents	✗	✓
↳ Spreadsheet	✗	✓

Openbravo només té la versió Enterprise; la de Community va ser descontinuada el 2020.

Openbravo to End Community Edition Open Source Projects in 2020

Announcements

2 min read

Shortly after Openbravo officially launched its first product, Openbravo ERP, in 2006, the code was published in SourceForge.net and it swiftly became one of the most active and most followed open source projects of its kind.

In January 2010, we had reached an accumulated 1.5 million product downloads. Market recognition was also demonstrated by various open source community awards, such as the BOSSIE (several years in a row) and Red Herring (2007).

In October 2007, Openbravo acquired Librepos, formerly Tina POS, the leading open source POS solution, the seed of our modern mobile and cloud-based POS solution.

Moving forward from those early years to today, the company has successfully completed its transformation from being a horizontal ERP solution vendor for small to midsize companies into a leading cloud-based omnichannel platform vendor for midsize to large retail and restaurant chains.

While our commitment to open source continues, since it lies at the heart of our technology, we are announcing today that the Openbravo Community Edition will be discontinued.

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Versions i repositoris

Openbravo té una secció a la seva wiki on llista totes les versions que ha tingut el seu software. En aquest cas, l'última és la 23Q3.

Introduction

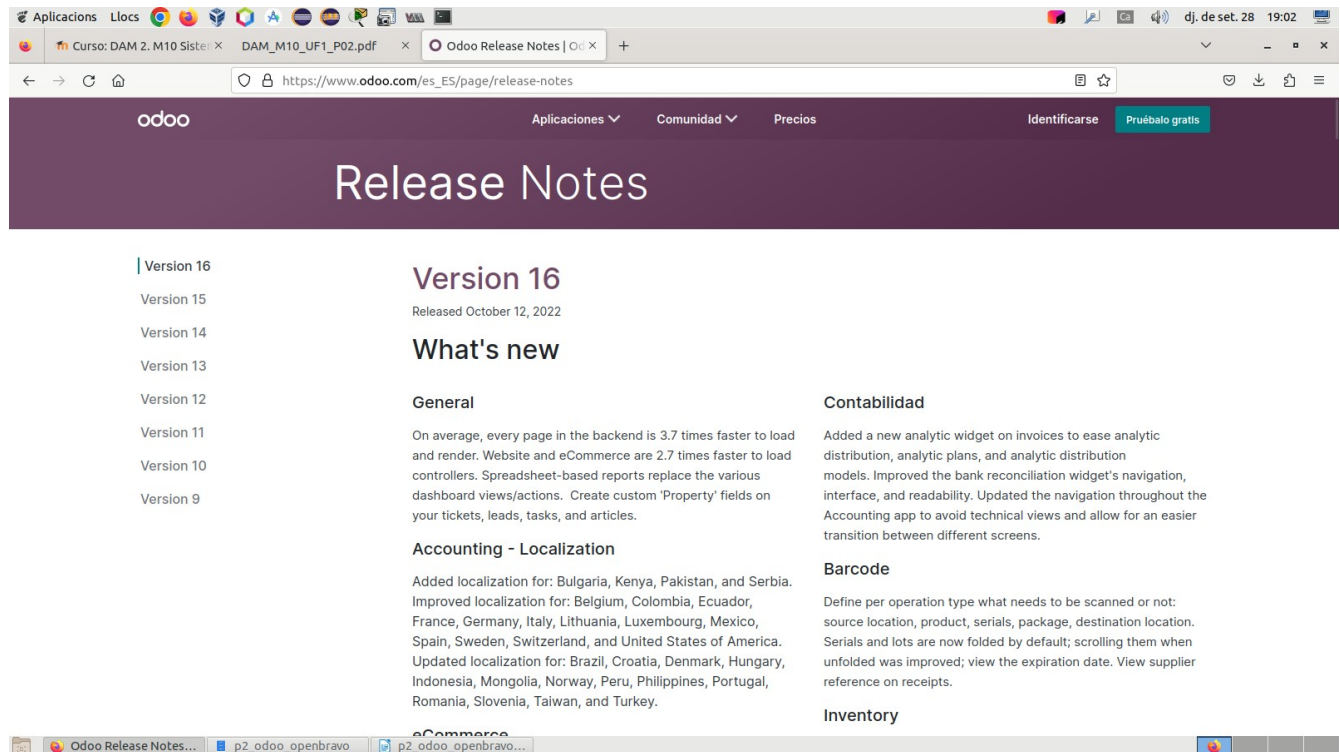
This page documents the official Openbravo quarterly Releases, including the release notes and maturity status. Additional Release status and schedules information are available following [this link](#).

Since 22Q3 Release Notes are published centrally here and no longer split by ERP / Retail

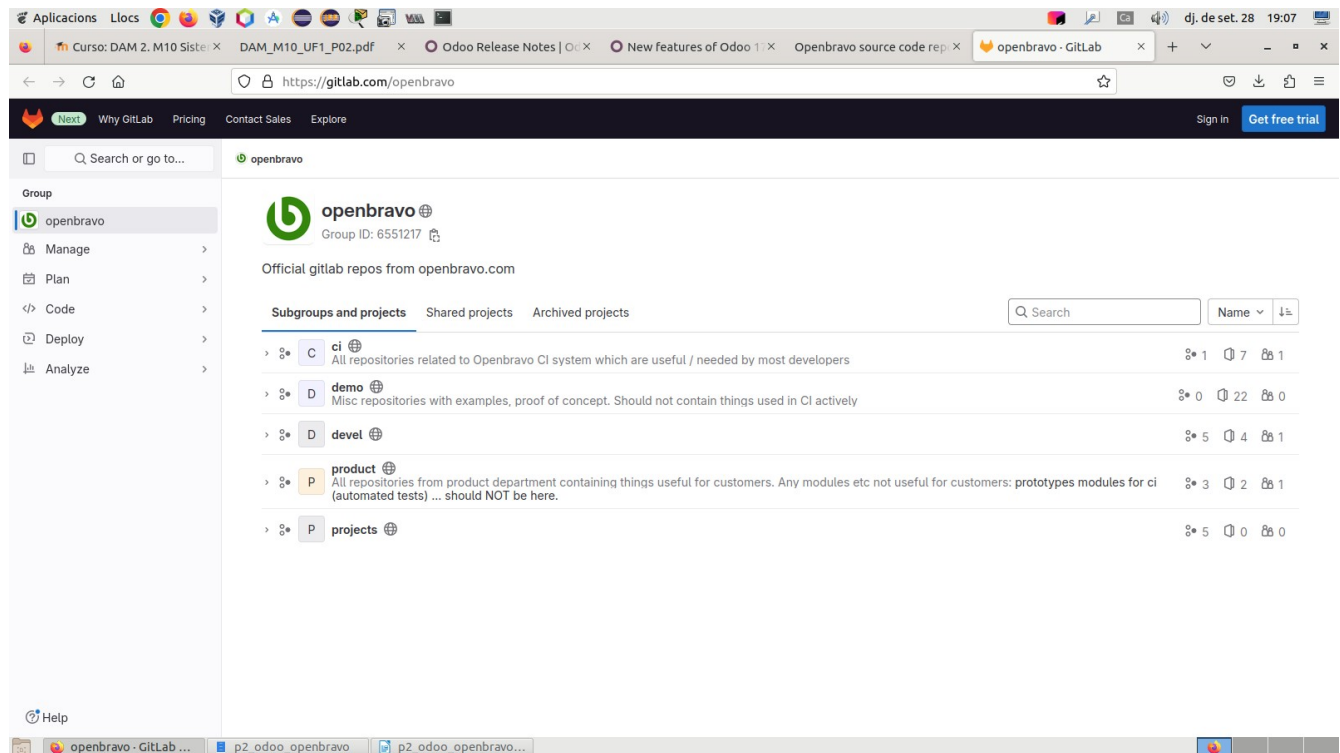
Openbravo Commerce Cloud releases

Release Notes	Date	Version	Maturity Status (*)
23Q3	10/08/2023	3.0.232002	QAA
23Q2.2	13/07/2023	3.0.232201	CS
23Q2.1	13/06/2023	3.0.232102	C
23Q2	11/05/2023	3.0.232003	C
23Q1.4	26/07/2023	3.0.231302	CS
23Q1.3	13/06/2023	3.0.231302	C
23Q1.2	08/05/2023	3.0.231201	C
23Q1.1	31/03/2023	3.0.231101	C
23Q1	01/03/2023	3.0.231003	C
22Q4.2	24/02/2023	3.0.224201	CS
22Q4.1	19/12/2022	3.0.224101	C
22Q4	11/11/2022	3.0.224002	C
22Q3.2	08/11/2022	3.0.223201	CS
22Q3.1	30/09/2022	3.0.223101	C
22Q3	18/08/2022	3.0.223002	C
22Q2.3	30/09/2022	3.0.222301	CS
22Q2.2	18/08/2022	3.0.222201	C
22Q2.1	01/08/2022	3.0.222101	C
3.0PB22Q2	02/05/2022	3.0.222002	C
22Q1.3	01/08/2022	3.0.221301	CS
3.0PB22Q1.2	28/04/2022	3.0.221201	C
3.0PB22Q1.1	21/03/2022	3.0.221101	C
3.0PB22Q1	25/01/2022	3.0.221004	C
3.0PB21Q4.4	18/03/2022	3.0.214401	CS
3.0PB21Q4.3	04/01/2022	3.0.214301	C
3.0PB21Q4.2	16/12/2021	3.0.214202	C
3.0PB21Q4.1	16/11/2021	3.0.214101	C
3.0PB21Q4	28/10/2021	3.0.214003	C

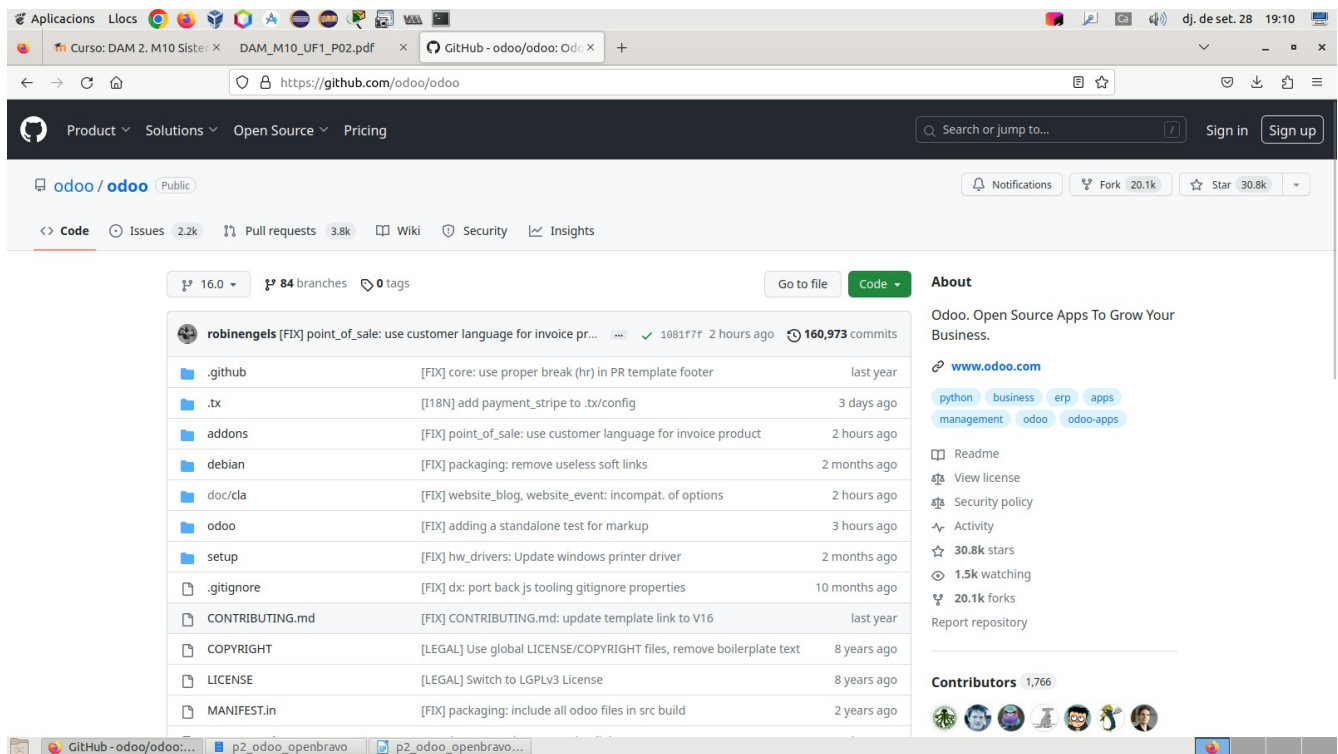
Odoo també una secció similar a la seva web, on es veu que l'última versió és la 16.



Pel que fa als repositoris, el d'Openbravo es troben actualment a GitLab.



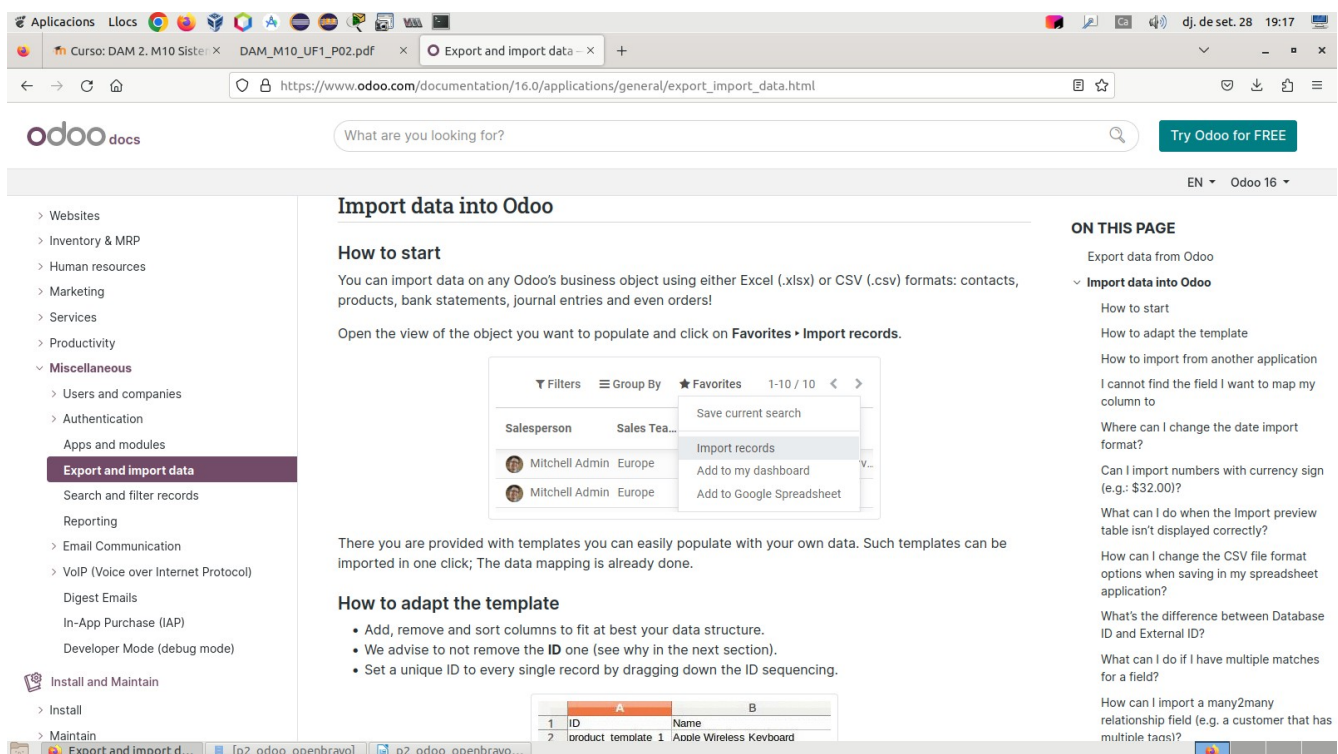
Odoo, per la seva banda, té els seus repositoris a GitHub.



En ambdós casos podem esperar que totes les versions anteriors d'aquests softwares es puguin trobar dins els seus respectius repositoris.

Formats per a importar dades

Odoo admet fitxers en format xls (Excel) i csv.



Openbravo, per la seva banda, només admet fitxers en format csv.

Aplicacions

Llocs

Curso: DAM 2. M10 Siste... DAM_M10_UF1_P02.pdf ERP 2.50:User Manual/im... +

← → ↻ 🏠

🔍 wiki.openbravo.com/wiki/ERP_2.50:User_Manual/Import_Data

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ERP 2.50:User Manual/Import Data

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[6 Import Account](#)
[7 Import Orders](#)
[8 Import Budget](#)
[9 Import Taxes](#)

Introduction

The following items can be imported into Openbravo ERP:

- Business Partners
- Products
- Accounts
- Orders
- Budgets
- Taxes

Importing data is performed in three steps.

Step 1: Define the CSV format

The imported data needs to be in a comma separated file (.csv). The format of the CSV file needs to be defined first. This is done by naming the columns of the CSV file. Openbravo has several, predefined formats you can use.

Make sure you have administrative rights (ClientAdmin).

Select Master Data Management > Import Data > Import Loader Format. Select one of the predefined import formats or create a new one. In case a new format is created, a table needs to be selected to which the data is written. This table (l_xxx) is a temporary table, see step 2. After supplying a name for the new import format, the columns can be specified.

Some of the column names refer to an ID, e.g. C_BPpartner_ID. This is the internal number used by Openbravo to refer to a business partner. The only way of determining this ID is to look into the database directly, e.g. using pgAdmin in case of a PostgreSQL database.

Select the tab Field Format. Each column in the CSV file needs to be defined. The column is represented by a row in the field format. Notice that the column names are of no importance, only the sequence.

Each import requires mandatory values:

- For Business Partners: Search key (Value) and Name

ERP 2.50:User Manu... [p2_odoo_openbravo] [p2_odoo_openbravo...]