

AI-02065 OpenProject In Ubuntu

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What is osTicket, what's the story of the application and founder? Is it really free or there's a catch? How osTicket get their revenue? Provide a Step by Step on the setup and installation for Ubuntu.

OpenProject is an open-source project management software that provides a wide range of features for managing projects, from traditional to agile and hybrid methodologies. Its features include Gantt charts, task lists, agile boards, time tracking, and bug tracking. It's designed to be a collaborative tool for teams and is known for its focus on data sovereignty, allowing users to self-host the application on their own infrastructure.

Origin and Founder

The story of OpenProject begins with its predecessor, **ChiliProject**, which was a fork of Redmine, another popular open-source project management tool. The developers and users of ChiliProject formed the OpenProject Foundation in 2012, with the goal of creating an actively developed and open community-driven project. The main company driving the development is **OpenProject GmbH**, based in Berlin, Germany. The founder and CEO of OpenProject is **Niels Lindenthal**. The company's vision is to empower project teams to achieve great things together by providing a solution that promotes open source, data sovereignty, and collaboration.

Is It Really Free?

Yes, OpenProject has a genuinely **free and open-source Community edition**. This version is available for download and self-hosting, giving you full control over your

data and code. The Community edition includes a comprehensive set of features, and there are no limits on the number of users or projects.

The "catch," if you can call it that, is that OpenProject offers paid **Enterprise** and **Cloud** editions. These versions include additional features (like advanced security and certain integrations) and services such as hosting, professional support, training, and custom plugin support. The free Community edition does not include these services or enterprise-specific add-ons.

How OpenProject Gets Revenue

OpenProject's revenue model is a classic open-core model. They generate revenue through:

- **Paid Editions:** Offering different tiers of their software, specifically the Enterprise on-premises and Cloud-hosted versions, which include additional features, security enhancements, and enterprise-level integrations.
- **Services:** Selling services like professional support, training, and consulting to companies that use the software, particularly those with complex needs.
- **Managed Hosting:** Providing a managed, cloud-hosted version of OpenProject, which is a convenient option for users who don't want to handle the installation and maintenance themselves.

The core product remains free and open source, while the company makes money by offering added value, support, and convenience for businesses.

Step-by-Step Installation on Ubuntu (with MySQL)

Note: The official and recommended installation method for OpenProject is to use PostgreSQL, not MySQL. While it is technically possible to use MySQL, the process is more complex and less straightforward than the packaged installation for PostgreSQL. The following steps outline the general process for a manual setup, but it's important to be aware that the official documentation heavily favors PostgreSQL.

Step 1: System and Database Preparation

1. **Update your system:** Bash

```
sudo apt update
sudo apt upgrade -y
```

2. Install MySQL Server: Bash

```
sudo apt install mysql-server -y
```

During installation, you'll be prompted to set a root password for MySQL. Make sure to remember this.

3. Secure MySQL installation: Bash

```
sudo mysql_secure_installation
```

Follow the prompts. You'll set the root password, remove anonymous users, disallow remote root login, and remove the test database.

4. Create a database and user for OpenProject: BashSQL

Access the MySQL shell:

```
sudo mysql -u root -p
```

Enter your root password. Then, execute the following commands to create a database and a dedicated user. Replace `openproject_user` and `your_password` with your desired credentials.

```
CREATE DATABASE openproject_db CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci;
CREATE USER 'openproject_user'@'localhost' IDENTIFIED BY 'your_password';
GRANT ALL PRIVILEGES ON openproject_db.* TO 'openproject_user'@'localhost';
FLUSH PRIVILEGES;
EXIT;
```

Step 2: Install OpenProject and Dependencies

1. Add OpenProject's package repository: BashBash

First, install the necessary packages for adding a repository over HTTPS.

```
sudo apt install apt-transport-https ca-certificates curl gnupg2 -y
```

Then, import the GPG key and add the repository.

```
wget -qO- https://dl.packager.io/srv/opf/openproject/key | sudo apt-key add -
echo "deb https://dl.packager.io/srv/opf/openproject/stable/13/installer/ubuntu/${lsb_release -rs} /" | sudo tee
/etc/apt/sources.list.d/openproject.list
```

2. Update the package index and install OpenProject: Bash

```
sudo apt update
sudo apt install openproject -y
```

Step 3: Configure OpenProject

1. Start the configuration wizard: Bash

After the installation is complete, run the configuration wizard.

```
sudo openproject configure
```

2. **Follow the wizard prompts:**

- **Installation type:** Select "Packaged installation".
- **Database:** The wizard will prompt you to choose a database. Select "MySQL" (or MariaDB if that's what you installed).
- **Database credentials:** Enter the database name (`openproject_db`), user (`openproject_user`), and password (`your_password`) that you created in Step 1.
- **Web Server:** You can choose to have the installer configure Apache2 for you or skip it if you want to use a different web server like Nginx. For a simple setup, letting the installer configure Apache2 is the easiest option.
- **Email Configuration:** Enter your SMTP details for sending email notifications.
- **Other options:** The wizard will also guide you through setting up other components like Git/SVN integration and Memcached.

Step 4: Access OpenProject

Once the configuration wizard is complete, OpenProject will be running and accessible through your web browser. Open your browser and navigate to your server's IP address or domain name.

You'll be greeted with the OpenProject login page. The default administrator account is `admin` with a password of `admin`. You should change this immediately after your first login for security reasons.

Tell me more about OpenProject Application in Ubuntu Server. Can I run it in Azure? Create a Step by Step instructions for OpenProject installation in Ubuntu Server from start to finish.

 **What is OpenProject?**

OpenProject is a powerful open-source project management tool designed for team collaboration, task tracking, and agile workflows. It supports features like Gantt charts, time tracking, budgeting, and more. It's available in three editions:

- **Community Edition** (free and self-hosted)
- **Enterprise Edition** (self-hosted with premium features)
- **Cloud Edition** (hosted by OpenProject)

Can You Host OpenProject on Microsoft Azure?

Yes, **OpenProject can be hosted on Microsoft Azure**. You can:

- Deploy it on a **Linux VM (e.g., Ubuntu Server)**.
- Use **Azure Active Directory (Microsoft Entra ID)** for **SSO integration** with OpenProject Enterprise [1].
- Find pre-configured OpenProject images on the **Azure Marketplace**, such as those provided by Hossted [2].

Step-by-Step Installation Guide for OpenProject on Ubuntu Server

Here's a complete guide to install OpenProject on **Ubuntu 22.04 or 20.04**:

Step 1: Prepare Your Ubuntu Server

Ensure your server is updated and has necessary tools:

```
sudo apt-get update
sudo apt-get install apt-transport-https ca-certificates wget gnupg2 -y
```

Step 2: Add OpenProject Repository

Import the OpenProject GPG key:

```
sudo wget -O /etc/apt/trusted.gpg.d/openproject.asc https://dl.packager.io/sr
```

```
v/opf/openproject/key
```

Add the OpenProject repository:

```
sudo wget -O /etc/apt/sources.list.d/openproject.list https://dl.packager.io/sr  
v/opf/openproject/stable/16/installer/ubuntu/22.04.repo
```

Update package list:

```
sudo apt-get update
```

Step 3: Install OpenProject

```
sudo apt-get install openproject -y
```

Step 4: Run the Configuration Wizard

```
sudo openproject configure
```

This wizard will guide you through:

- Selecting edition (default or BIM)
- Setting up PostgreSQL (local or external)
- Configuring Apache web server
- Enabling SSL (optional)
- Setting up Git/Subversion repositories (optional)
- Email settings (SMTP)
- Authentication options

You can re-run the wizard anytime using:

```
sudo openproject reconfigure
```

Step 5: Verify Services

Check Apache:

```
systemctl status apache2
```

Check OpenProject:

```
systemctl status openproject-web-1.service
```

Step 6: Access OpenProject

Open your browser and go to:

```
http://your-server-domain-or-ip
```

Log in with the default admin credentials (set during configuration).

Optional: Integrate with Azure Active Directory (Microsoft Entra ID)

If you're using the **Enterprise Edition**, you can enable **SSO with Azure AD**:

1. Register an app in Azure AD.
2. Set redirect URI: `https://yourdomain.com/auth/oidc-microsoft-entra/callback`
3. Save Client ID and Secret.
4. In OpenProject:
 - Go to **Administration** → **Authentication** → **OpenID Providers**
 - Add a new provider: **Microsoft Entra**
 - Enter Client ID, Secret, and Tenant ID [\[1\]](#).

Would you like help setting this up on Azure (e.g., VM creation, DNS, SSL)?

References

[1] [OpenID providers \(Enterprise add-on\) - OpenProject](#)

[2] Microsoft Azure Marketplace

ERROR: The current distribution is not supported by this wizard. Please install PostgreSQL manually and retry. Give me step by step on how to create an openproject db manually

That error indicates the automated installer can't find a supported PostgreSQL version, so you'll have to install and configure it manually before re-running the OpenProject wizard.

Here are the steps to create the PostgreSQL database and user for OpenProject.

Step 1: Install PostgreSQL

First, install the PostgreSQL server and its dependencies from the Ubuntu repositories.

Bash

```
sudo apt-get update  
sudo apt-get install postgresql postgresql-contrib -y
```

This command will install the PostgreSQL database server and a collection of additional utilities. The installation automatically creates a `postgres` user with superuser privileges and an initial database also named `postgres`.

Step 2: Create a PostgreSQL User for OpenProject

Now, you need to create a dedicated user for OpenProject. It's a best practice to create a user and database with the same name as the application. This simplifies configuration.

1. Switch to the `postgres` system user. This is the superuser account for PostgreSQL. Bash

```
sudo -i -u postgres
```

2. Create a new user with an interactive prompt. The `P` flag prompts you to set a password immediately. Bash

```
createuser -P openproject
```

You will be prompted to enter and confirm a password for the new `openproject` user. Choose a strong password.

3. Exit the `postgres` user shell to return to your regular user. Bash

```
exit
```

Step 3: Create the OpenProject Database

With the user created, you can now create the database. The database must be owned by the user you just created.

1. Create the database, specifying the owner. Bash

```
sudo -u postgres createdb -O openproject openproject
```

- `O openproject` sets the owner of the new database to the `openproject` user.
 - The second `openproject` is the name of the new database.
-

Step 4: Re-run the OpenProject Configuration

Now that you have a PostgreSQL database and user set up, you can re-run the OpenProject configuration wizard.

Bash

```
sudo openproject configure
```

This time, when the installer asks about the database, select the option **"Use an existing PostgreSQL database"**. You will then provide the details for the user and database you just created: `openproject` for the username and database name, and the password you set in Step 2.

hostname-localhost

port-5432

user-openproject

password-Ra