

# AI-02056 Odoo Setup Ubuntu

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Tags	Project
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**What is Odoo and use case? Tell me more. Create a Step by Step instructions for Odoo installation in Ubuntu Server from start to finish.**

Odoo is an **open-source ERP (Enterprise Resource Planning)** and **business management software** that offers a suite of integrated applications to help companies manage various aspects of their operations. It's highly modular, meaning you can install only the apps you need, such as:

## **Common Use Cases of Odoo:**

- **Sales & CRM:** Manage leads, opportunities, and customer relationships.
- **Inventory & Warehouse Management:** Track stock levels, shipments, and logistics.
- **Accounting & Finance:** Handle invoicing, payments, and financial reports.
- **Human Resources:** Manage employee records, payroll, and recruitment.
- **Project Management:** Plan, track, and collaborate on projects.
- **E-commerce & Website Builder:** Create and manage online stores and websites.
- **Manufacturing:** Manage production, bills of materials, and work orders.

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## **Step-by-Step Guide to Install Odoo on Ubuntu Server**

Here's a complete guide to install **Odoo 16** (latest stable version as of mid-2025) on **Ubuntu 22.04 LTS**:

## ✓ Prerequisites:

- Ubuntu Server 22.04 LTS
- Root or sudo access
- Internet connection

## ◆ Step 1: Update Your Server

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

## ◆ Step 2: Create a System User for Odoo

```
sudo adduser --system --home=/opt/odoo --group odoo
```

## ◆ Step 3: Install PostgreSQL

```
sudo apt install postgresql -y
```

Create a PostgreSQL user for Odoo:

```
sudo su - postgres  
createuser --createdb --username postgres --no-createrole --no-superuser -  
-pwprompt odoo  
exit
```

## ◆ Step 4: Install Dependencies

```
sudo apt install git python3-pip build-essential wget python3-dev python3-ve  
nv \  
libxslt-dev libzip-dev libldap2-dev libsasl2-dev python3-setuptools \  
node-less libjpeg-dev libpq-dev libxml2-dev libffi-dev libtiff5-dev \  
libopenjp2-7-dev liblcms2-dev libwebp-dev libharfbuzz-dev libfribidi-dev \  
\
```

```
libxcb1-dev libx11-dev libxext-dev libxrender-dev xfonts-75dpi xfonts-base -  
y
```

### ◆ Step 5: Install Wkhtmltopdf (for PDF reports)

```
wget https://github.com/wkhtmltopdf/wkhtmltopdf/releases/download/0.12.6-  
1/wkhtmltox_0.12.6-1.jammy_amd64.deb  
sudo apt install ./wkhtmltox_0.12.6-1.jammy_amd64.deb
```

### ◆ Step 6: Install and Configure Odoo

```
sudo su - odoo  
git clone https://www.github.com/odoo/odoo --depth 1 --branch 16.0 --single-  
branch .  
python3 -m venv odoo-venv  
source odoo-venv/bin/activate  
pip install wheel  
pip install -r requirements.txt  
deactivate  
exit
```

### ◆ Step 7: Create Configuration File

```
sudo nano /etc/odoo.conf
```

Paste the following:

```
[options]  
; This is the password that allows database operations:  
admin_passwd = admin  
db_host = False  
db_port = False  
db_user = odoo
```

```
db_password = False
addons_path = /opt/odoo/addons
logfile = /var/log/odoo/odoo.log
```

## ◆ Step 8: Create a Systemd Service

```
sudo nano /etc/systemd/system/odoo.service
```

Paste:

```
[Unit]
Description=Odoo
Requires=postgresql.service
After=network.target postgresql.service

[Service]
Type=simple
SyslogIdentifier=odoo
PermissionsStartOnly=true
User=odoo
Group=odoo
ExecStart=/opt/odoo/odoo-venv/bin/python3 /opt/odoo/odoo-bin -c /etc/odoo.conf
StandardOutput=journal+console

[Install]
WantedBy=multi-user.target
```

Reload and start the service:

```
sudo systemctl daemon-reexec
sudo systemctl daemon-reload
sudo systemctl enable --now odoo
```

## ◆ Step 9: Access Odoo

Open your browser and go to:

```
http://<your-server-ip>:8069
```

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Would you like help setting up Odoo with Nginx and SSL for production use? Or maybe installing custom modules or configuring multi-company support?