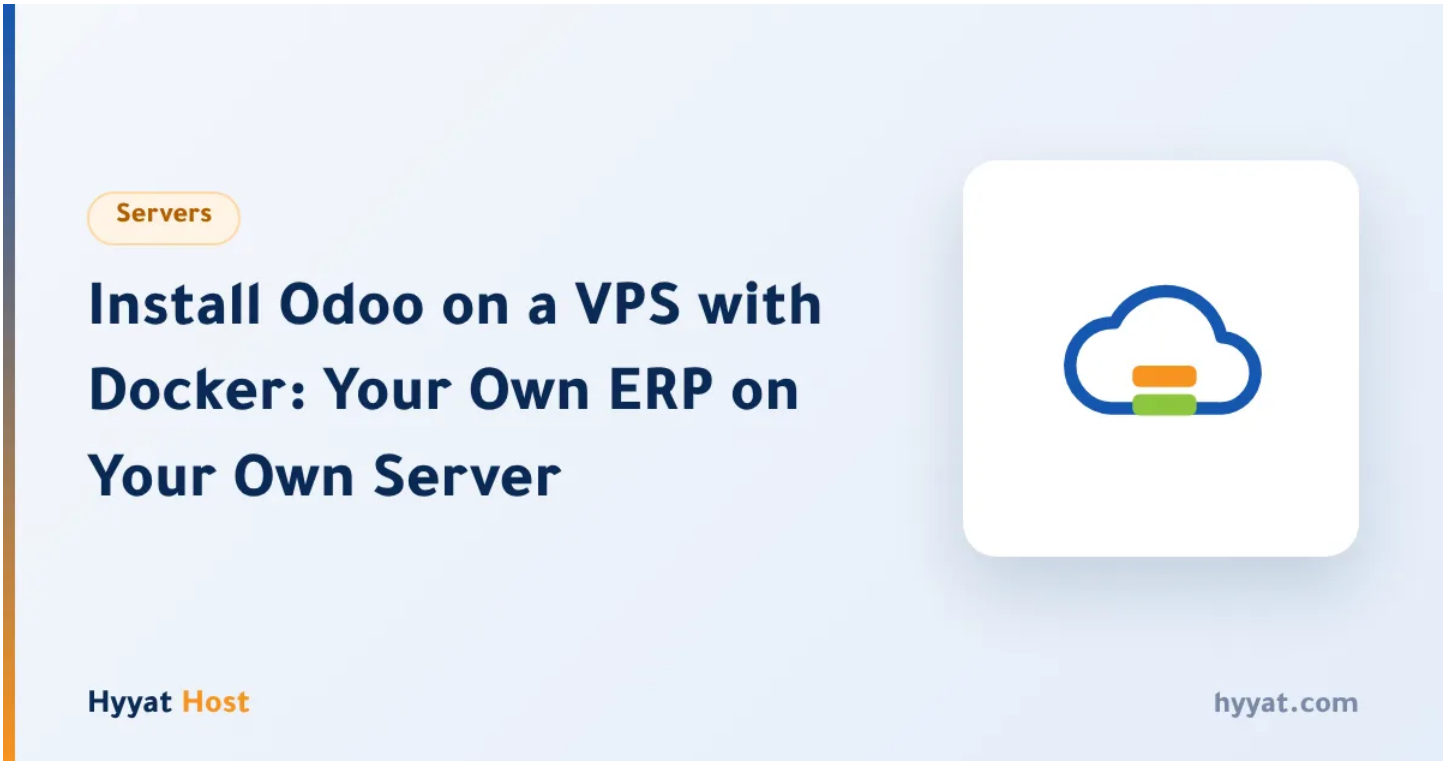
Install Odoo on a VPS with Docker: Your Own ERP on Your Own Server

Servers Without a Control Panel · https://www.hyyat.com/en/knowledgebase/install-odoo-on-vps/

In short Odoo is an open-source ERP for sales, inventory, accounting and HR. On a VPS you run **Odoo** and **PostgreSQL** with Docker behind **Caddy** for HTTPS. Start with a **4GB** plan for a small team and **8GB** as users grow.



Running Odoo on your own server gives you full control of your data, modules and customisations, without per-user fees for the hosted edition. In return you handle updates and regular backups, which this guide covers.

Choosing resources

Use	Suitable plan	Why

Testing or a startup	VPS 4GB	Odoo and PostgreSQL together need at least 2 to 3 GB
A mid-size team with several modules	VPS 8GB	Inventory, accounting and reports use memory
A company with many users	VPS 16GB	Room for more concurrent work and a bigger database

Before you start

- An Ubuntu 24.04 or Debian 12 server with root access.
- A subdomain such as `erp.example.com` pointed to the server IP with an A record.
- In the firewall, open only ports 22, 80 and 443 and keep the rest closed.

1. Install Docker

```
curl -fsSL https://get.docker.com | sh
systemctl enable --now docker
docker compose version
```

2. The docker-compose file

```
mkdir -p /opt/odoo && cd /opt/odoo
```

Create `docker-compose.yml` and choose a strong database password:

```
services:
  db:
    image: postgres:16
    restart: unless-stopped
    environment:
      - POSTGRES_USER=odoo
      - POSTGRES_PASSWORD=choose-a-strong-password
      - POSTGRES_DB=postgres
    volumes:
      - db_data:/var/lib/postgresql/data
```

```
  odoo:
    image: odoo:18
    restart: unless-stopped
    depends_on:
      - db
    environment:
      - HOST=db
      - USER=odoo
      - PASSWORD=choose-a-strong-password
    volumes:
      - odoo_data:/var/lib/odoo
  caddy:
    image: caddy:2
    restart: unless-stopped
    ports:
      - "80:80"
      - "443:443"
    volumes:
      - ./Caddyfile:/etc/caddy/Caddyfile
      - caddy_data:/data
volumes:
  db_data:
  odoo_data:
  caddy_data:
```

And the `Caddyfile`:

```
erp.example.com {
    reverse_proxy odoo:8069
}
```

3. Start Odoo and create the database

```
docker compose up -d
docker compose logs -f odoo
```

Open `https://erp.example.com` and the database creation page appears. Choose a strong **master password** and keep it safe, because it allows creating, deleting and copying databases, then pick your language and country.

Backups

- From Odoo's own database manager (`/web/database/manager`) you can download a full backup with data and attachments.
- Take a **snapshot** from the VPS control panel before any update or new module.
- Keep a copy off the server; a snapshot does not replace a backup stored elsewhere.

A mistake to avoid: Leaving the database manager open with a weak password. Anyone who gets in can delete or download your database. Use a strong master password, or disable the manager once the database exists.

At Hyyat Host: NVMe VPS servers suited to Odoo and PostgreSQL: VPS plans, with our own control panel for power, console and snapshots, and Arabic and English support.

Frequently asked questions

Which Odoo version should I use?

Use the latest stable version available on Docker, as it gets updates for longer. Do not jump between major versions before testing the upgrade on a separate copy.

Does Odoo support Arabic and e-invoicing?

The interface supports Arabic, and there are local accounting modules for several countries. Confirm your country's requirements with the module provider before relying on it.

How many users can the server handle?

It depends more on modules and data size than on user count. Start with 4GB, watch usage in the control panel and upgrade when needed.

Related guides

- Docker Compose Generator for WordPress and Apps
- New VPS Setup Commands, Step by Step
- Firewall: Control the Open Ports on Your VPS
- When Should You Move from Shared Hosting to a VPS? 7 Clear Signs

All guides for servers without a panel →

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Server Management