

Website server requirements

Server Min Requirements

- **CPU:** 4 cores
- **RAM:** 8 GB
- **Storage:** 30 GB SSD
- **Operating System:** Linux (e.g., Ubuntu 20.04 or later recommended)

Step-by-Step Deployment Process

1. Prepare Your Local Project Files

2. Upload Source Code to VPS

1. Connect to VPS, for example via WinSCP.
2. Upload Files to server.

3. Connect to VPS via SSH

1. Open a terminal on your local machine.
2. Connect to your VPS using SSH: `ssh username@your-vps-ip`
3. Navigate to the project directory: `cd /path/to/your/app`

4. Install Docker on the VPS

1. Install latest version of docker:

<https://docs.docker.com/engine/install/ubuntu/#install-using-the-repository>

5. Build and Run the Docker Container

1. Build the Docker image: “docker build -t almas-online-app .” make sure to include point at the end of command.

2. Run the Docker container: docker run -p 8080:8080 almas-online-app

3. Verify the container is running: docker ps

4. You should see almas-online-app listed with a status of Up.

6. Configure Firewall (if needed)

- If your VPS has a firewall (e.g., UFW), allow traffic on port 8080:

sudo ufw allow 8080

sudo ufw status

7. Verify the Site is Running

1. Open a web browser on your local machine.

2. Enter the following URL:

3. <http://your-vps-ip:8080>

4. Replace your-vps-ip with your VPS's public IP address.

5. You should see your almas-app application loaded.

Additional Notes

- **Stopping the Container:** `docker stop almas-online-app`
- **Removing the Container:** `docker rm almas-online-app`
- **Updating the App:** After making changes to your code, re-upload the files via WinSCP, rebuild the Docker image, and restart the container:

`docker stop almas-online-app`

`docker rm almas-online-app`

`docker build -t almas-online-app .`

`docker run -p 8080:8080 almas-online-app`

Odoo requirements

- **System requirements:**

| Scenario | Recommended Setup |
|-----------------------------------|--------------------------------------|
| Light API usage (20 RPS) | 2 vCPU, 4 GB RAM, 3 workers |
| Medium API usage (50 RPS) | 4 vCPU, 8 GB RAM, 9 workers |
| Heavy API usage (100+ RPS) | 8 vCPU, 16 GB RAM, 17 workers |

- **Installation Guide:**

- **Using docker:**

- <https://github.com/odoo/docker>

- **Manual installation:**

- https://www.odoo.com/documentation/17.0/administration/on_premise/source.html

- After Odoo got installed our module should be placed in addons path of Odoo
- Our module will be passed as ZIP file: extract and place it in addons folder