

KNOWLEDGE BASE · PUBLIC DOCUMENT

Gitea on a VPS: your own Git server with Docker Compose

VPS & Servers

CODE

RLX-INT-KB-6060

VERSION

v2026.10.15

COUNTRY · LANGUAGE

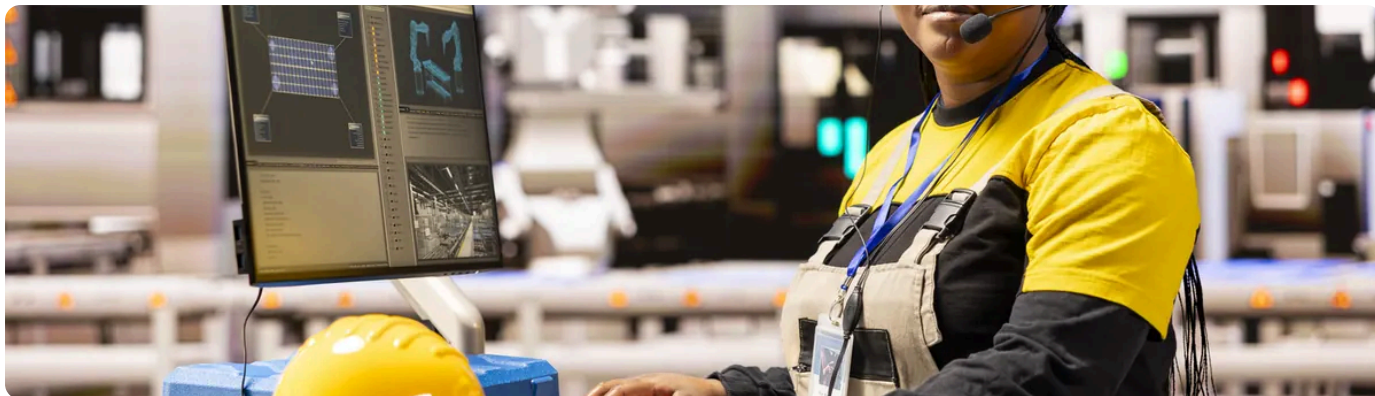
International · English

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The short answer: Gitea is a light, free Git server, with a web page like the well-known services': **repositories, pull requests and users**, on your VPS. It suits small teams that want the code in a place of their own. It runs in Docker, uses little memory and needs few updates.

What the site needs

What	What to do
What it gives	Private and public repositories, branches, pull requests, issues, and access over HTTPS and SSH.
What it needs	A VPS with Docker, a domain with HTTPS and, for SSH access, a port (the server's own SSH already uses 22).
Database	For a small team, the built-in SQLite is enough. For more people, a separate database.
Who can register	Switch off open registration after creating the accounts.
To publish the site	The repository can be tied to the hosting: Deploying from Git .

Getting started

1**Install Docker: [Installing Docker](#).**

2**Create a folder** and the compose.yaml file: `services:`

```
gitea:
  image: gitea/gitea:1
  restart: unless-stopped
  environment:
    - USER_UID=1000
    - USER_GID=1000
  ports:
    - "127.0.0.1:3000:3000"
    - "2222:22"
  volumes:
    - ./data:/data
```

3**Start it** (`docker compose up -d`) and make the domain's proxy and HTTPS point to port 3000: **Nginx in front of a container**.**4****Open the address** and fill in the install page: choose SQLite, put the site's public address and create the administrator account. Switch off new-user registration.**5****Add your SSH key** to the account and use the repository address with port 2222: **Creating an SSH key**.

Port 2222 is open to the world. As with the rest of the server, keep it up to date, with the right firewall and fail2ban: **Keeping your VPS secure**. And back up the data folder, which holds all the repositories: **Data folders**.

To only publish a site from a repository on another service, see **Git in cPanel**. To update Gitea without losing data: **Updating a Docker application**.

Want help setting up a Git server? Open a ticket with the VPS plan.

[Open a support ticket](#)

SEE ALSO

[Installing Docker and Docker Compose on a VPS](#)

[Nginx as a reverse proxy in front of a container](#)

[How to create an SSH key and log in to your VPS without a password](#)

[Git in cPanel: publishing your site from a repository](#)

[Updating a Docker application without losing data](#)



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