

# GITEA SETUP

## STEP 1: Create Volumes for Gitea

```
mariya@LAPTOP-80SJ2KSV:~$ docker volume create gitea_data
gitea_data
mariya@LAPTOP-80SJ2KSV:~$ docker volume create gitea_db_data
gitea_db_data
mariya@LAPTOP-80SJ2KSV:~$ docker volume ls
DRIVER      VOLUME NAME
local      docker-dns-demo_postgres_data
local      gitea_data
local      gitea_db_data
local      my_postgres_data
local      portainer_data
local      portainer_portainer_data
local      postgres-demo_pgdata
```

## STEP 2: Create Database for Gitea (PostgreSQL)

```
mariya@LAPTOP-80SJ2KSV:~$ docker service create \
  --name gitea_db \
  --network app_overlay \
  --env POSTGRES_USER=gitea \
  --env POSTGRES_PASSWORD=gitea123 \
  --env POSTGRES_DB=gitea \
  --mount type=volume,source=gitea_db_data,target=/var/lib/postgresql/data \
  postgres:15

z1waz3szyrjkequo806j6y7g7
overall progress: 1 out of 1 tasks
1/1: running   [=====]
verify: Service z1waz3szyrjkequo806j6y7g7 converged
mariya@LAPTOP-80SJ2KSV:~$
```

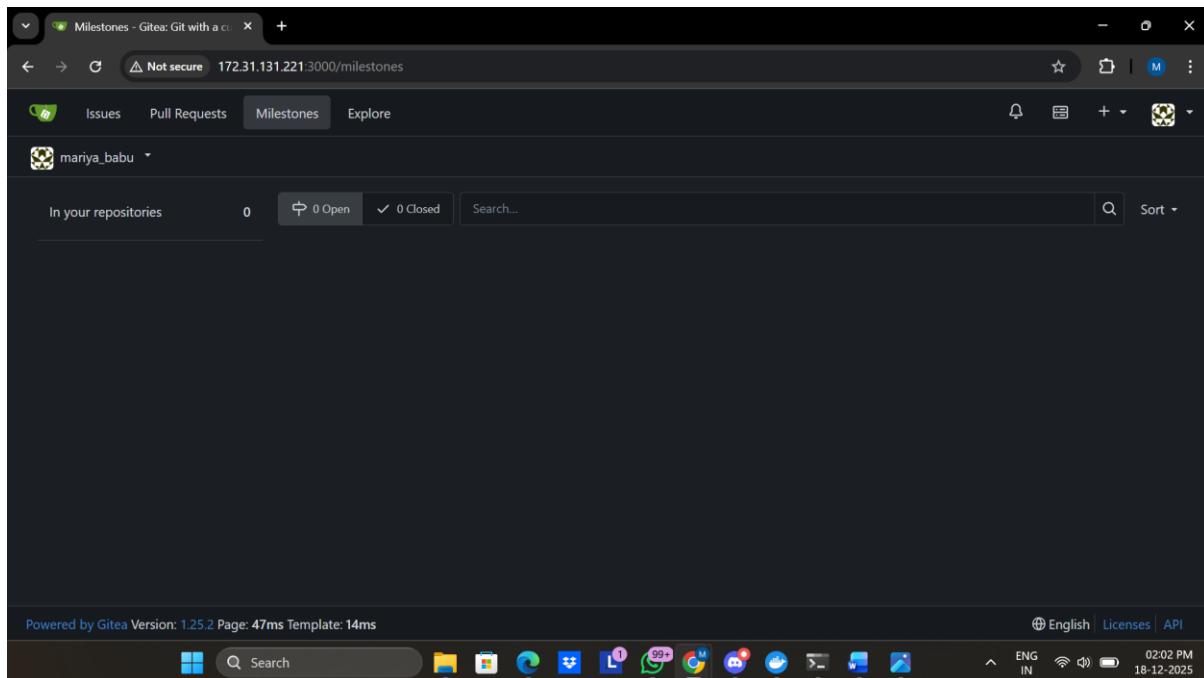
## STEP 3: Create Gitea Service

```
mariya@LAPTOP-80SJ2KSV:~$ docker service create \
  --name gitea_service \
  --network app_overlay \
  --constraint 'node.role==manager' \
  --env USER_UID=1000 \
  --env USER_GID=1000 \
  --env GITEA__database__DB_TYPE=postgres \
  --env GITEA__database__HOST=gitea_db:5432 \
  --env GITEA__database__NAME=gitea \
  --env GITEA__database__USER=gitea \
  --env GITEA__database__PASSWORD=gitea123 \
  --mount type=volume,source=gitea_data,target=/data \
  --publish mode=host,published=3000,target=3000 \
  --publish mode=host,published=222,target=22 \
  gitea/gitea:latest

e8cx1xzoa465ka21v1bwmjd0w
overall progress: 1 out of 1 tasks
1/1: running   [=====]
verify: Service e8cx1xzoa465ka21v1bwmjd0w converged
```

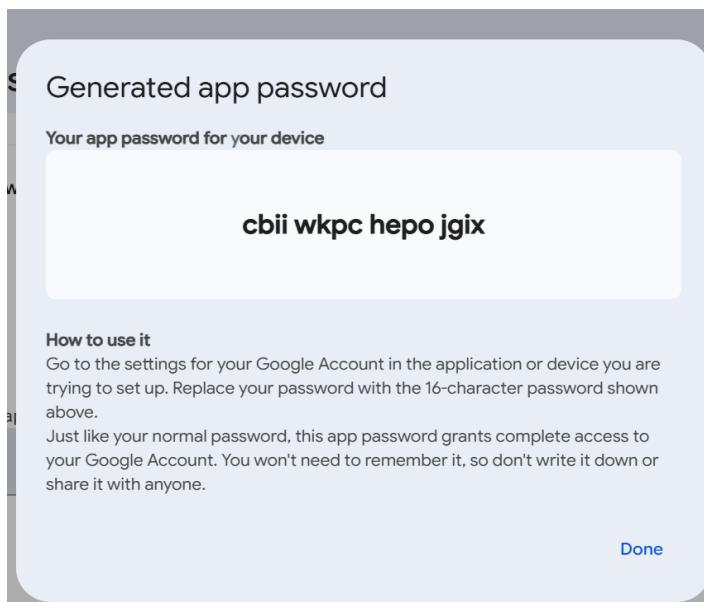
```
verify: Service e8cx1xzoa465ka21v1bwmjd0w converged
mariya@LAPTOP-80SJ2KSV:~$ docker service ls
ID          NAME      MODE      REPLICAS  IMAGE                  PORTS
z1waz3szyrjk  gitea_db    replicated  1/1      postgres:15
e8cx1xzoa465  gitea_service  replicated  1/1      gitea/gitea:latest
nqw8k6xivfga  my_postgres_service  replicated  1/1      postgres:15          *:5432->5432/tcp
wfkl9x7u0ywo  portainer_service  replicated  1/1      portainer/portainer-ce:latest  *:9000->9000/tcp, *
k66zda20lhb  postgres_db_service  replicated  1/1      postgres:15
mariya@LAPTOP-80SJ2KSV:~$ docker service logs gitea_service
```

## STEP 4: Open Gitea in Browser



## ENABLING EMAIL NOTIFICATION IN GITEA

Step 5.1: Gmail preparation : Enabled 2-Step Verification in Gmail,Generated a Gmail App Password,This password is required for applications like Gitea



Step 5.2:Tried configuring email from Gitea UI,Went to Site Administration →

Configuration Found that email fields were read-only.Hence Configured email via Docker Swarm.

```
mariya@LAPTOP-80SJ2KSV:~$ docker service update \
--env-add GITEA_mailer_ENABLED=true \
--env-add GITEA_mailer_PROTOCOL=smt� \
--env-add GITEA_mailer_SMTP_ADDR=smtp.gmail.com \
--env-add GITEA_mailer_SMTP_PORT=465 \
--env-add GITEA_mailer_USER=mariyababu675@gmail.com \
--env-add GITEA_mailer_PASSWD=cbiiwkcepohjgix \
--env-add GITEA_mailer_FROM=mariyababu675@gmail.com \
--env-add GITEA_mailer_TLS=true \
gitea_service
gitea_service
overall progress: 1 out of 1 tasks
1/1: running  [=====>]
verify: Service gitea_service converged
```

Step 5.3: Restarted Gitea safely,Tested email delivery

The screenshot shows the 'Mailer Configuration' section of the Gitea admin interface. It lists the following settings:

Setting	Value
Enabled	✓
Name	Gitea: Git with a cup of tea
Protocol	smt�
Enable HELO	✓
SMTP Addr	smtp.gmail.com
SMTP Port	465
User	mariyababu675@gmail.com

At the bottom, there is a 'Send Testing Email' button with a recipient field containing 'mariyababu675@gmail.com' and a blue 'Send' button.

Error Occurred "535 5.7.8 Username and Password not accepted"

The screenshot shows the 'Admin Settings' page in Gitea. In the 'Server Configuration' section, there is an error message box stating: "Failed to send a testing email to 'mariyababu675@gmail.com': failed to authenticate SMTP: 535 5.7.8 Username and Password not accepted. For more information, go to 5.7.8 https://support.google.com/mail/?p=BadCredentials d9443c01a7336-2a2d1612698sm20598415ad.47 - gsmtp". Below the message, the 'Site Title' is listed as 'Gitea: Git with a cup of tea' and the 'Gitea Version' is '1.25.2 built with GNU Make 4.4.1, go1.25.4 : bindata, timetzdata, sqlite, sqlite\_unlock\_notify'.

Error Occurred THE EMAIL ADDRESS YOU ARE TESTING IS WRONG

Failed to send a testing email to "mariyababu1404@gmail.com": failed to authenticate SMTP: 535 5.7.8 Username and Password not accepted. For more information, go to 5.7.8 <https://support.google.com/mail/?p=BadCredentials> d2e1a72fcca58-7fe14764769sm2585275b3a.65 - gsmtp

## Email Delivery

A testing email has been sent to "mariyababu675@gmail.com".

### Step 5.4: Tested email delivery

#### Gitea Test Email! Inbox ×

↗ Summarise this email



**mariyababu675@gmail.com**

to me ▾

Gitea Test Email!

# CREATE NEW REPOSITORY

## New Repository

A repository contains all project files, including revision history. Already hosting one elsewhere? [Migrate repository](#).

Owner \*  mariya\_babu ▼  
Some organizations may not show up in the dropdown due to a maximum repository count limit.

Repository Name \*   
Good repository names use short, memorable and unique keywords. A repository named ".profile" or ".profile-private" could be used to add a README.md for the user/organization profile.

Visibility  Make repository private  
Only the owner or the organization members if they have rights, will be able to see it.

Description

 mariya\_babu / Devops Edit

[Code](#) [Issues](#) [Packages](#) [Projects](#) [Wiki](#)

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**Quick Guide**

**Clone this repository** Need help cloning? Visit [Help](#).

[New File](#) [Upload File](#) [HTTP](#) [SSH](#) [http://172.31.131.221:3000/mariya\\_babu/Devops.git](http://172.31.131.221:3000/mariya_babu/Devops.git)

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**Creating a new repository on the command line**

```
touch README.md
git init
git checkout -b main
git add README.md
git commit -m "first commit"
git remote add origin http://172.31.131.221:3000/mariya_babu/Devops.git
git push -u origin main
```

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**Pushing an existing repository from the command line**

```
git remote add origin http://172.31.131.221:3000/mariya_babu/Devops.git
git push -u origin main
```

