

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

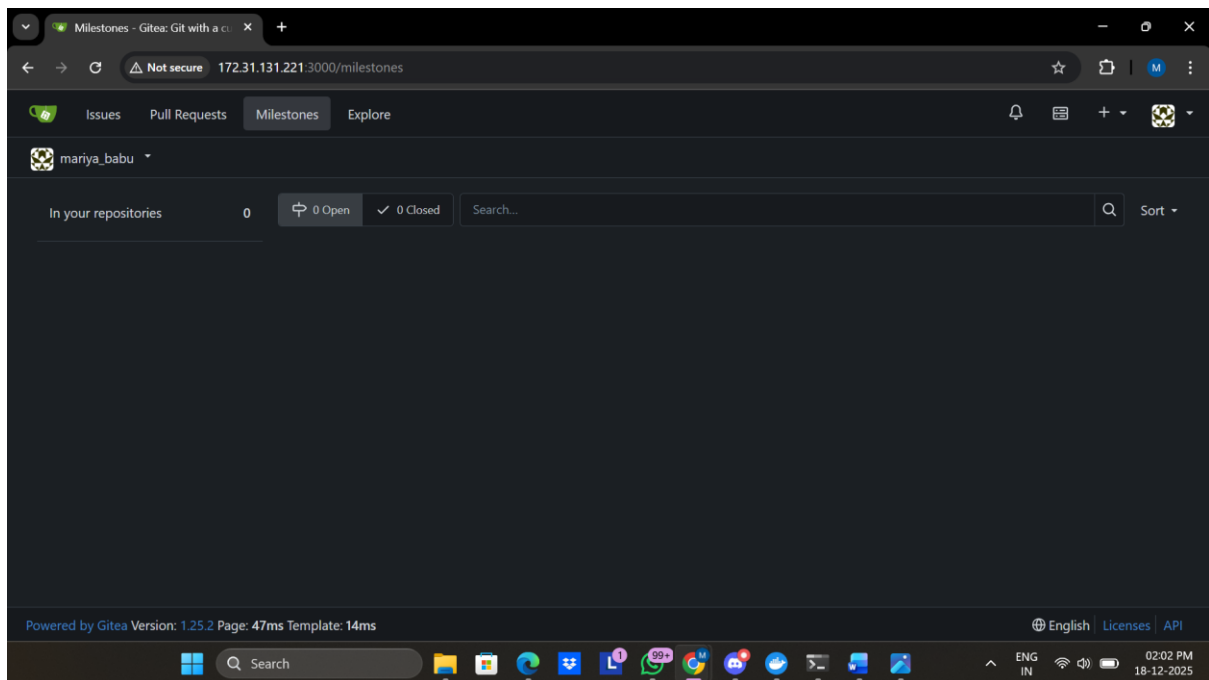
```
mariya@LAPTOP-80SJ2KSV:~$ docker service create \
--name gitea_service \
--network app_overlay \
--constraint 'node.role==manager' \
--env USER_UID=1000 \
--env USER_GID=1000 \
--env GITEA__database__DB_TYPE=postgres \
--env GITEA__database__HOST=gitea_db:5432 \
--env GITEA__database__NAME=gitea \
--env GITEA__database__USER=gitea \
--env GITEA__database__PASSWD=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
```

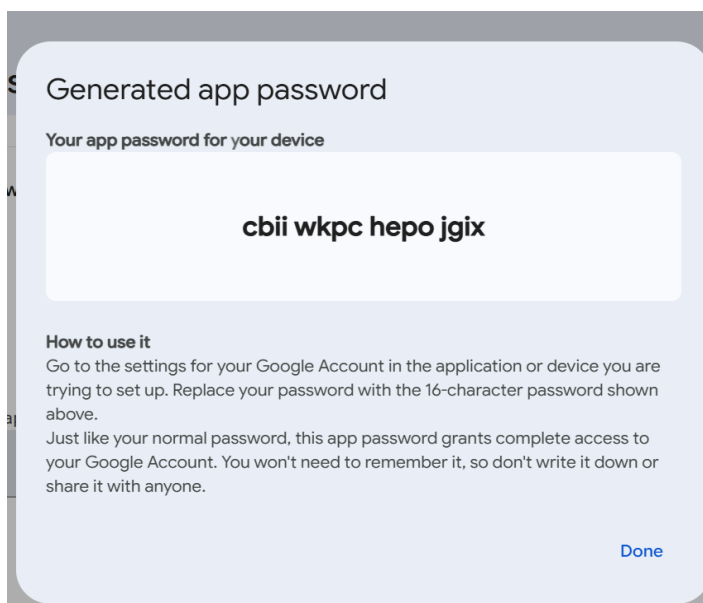
```
mariya@LAPTOP-80SJ2KSV:~$
mariya@LAPTOP-80SJ2KSV:~$ docker service ls
ID            NAME                MODE                REPLICAS    IMAGE                                  PORTS
z1waz3szyrjk  gitea_db            replicated          1/1          postgres:15
e8cx1xzoa465  gitea_service       replicated          1/1          gitea/gitea:latest
nqw8k6xivfga  my_postgres_service replicated          1/1          postgres:15      *:5432->5432/tcp
wfk19x7u0ywo  portainer_service   replicated          1/1          portainer/portainer-ce:latest      *:9000->9000/tcp,
k66zda20lhvb  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.

```
[[101] docker - Command not found
mariya@LAPTOP-80SJ2KSV:~$ docker service update \
--env-add GITEA__mailer__ENABLED=true \
--env-add GITEA__mailer__PROTOCOL=smtps \
--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=cbiikwcephjgix \
--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

Mailer Configuration	
Enabled	✓
Name	Gitea: Git with a cup of tea
Protocol	smtps
Enable HELO	✓
SMTP Addr	smtp.gmail.com
SMTP Port	465
User	mariyababu675@gmail.com
<div>Send Testing Email</div> <div><div>mariyababu675@gmail.com</div><div>Send</div></div>	

Error Occurred "535 5.7.8 Username and Password not accepted"

Issues Pull Requests Milestones Explore	
Admin Settings	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
Maintenance	
Identity & Access	
Code Assets	
Server Configuration	
Site Title	Gitea: Git with a cup of tea
Gitea Version	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_d2e1a72fcc58-7fe14764769sm2585275b3a.65 - gsmtip

Email Delivery

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

Step 5.4: Tested email delivery

Gitea Test Email!

Inbox x

☰ 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 *

Devops


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

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

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

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
```

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
```

