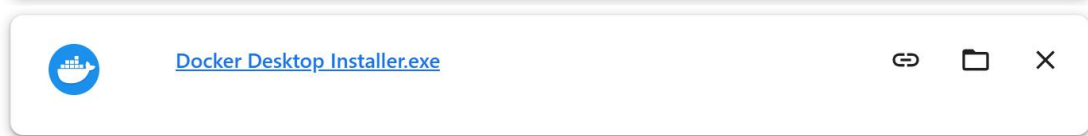
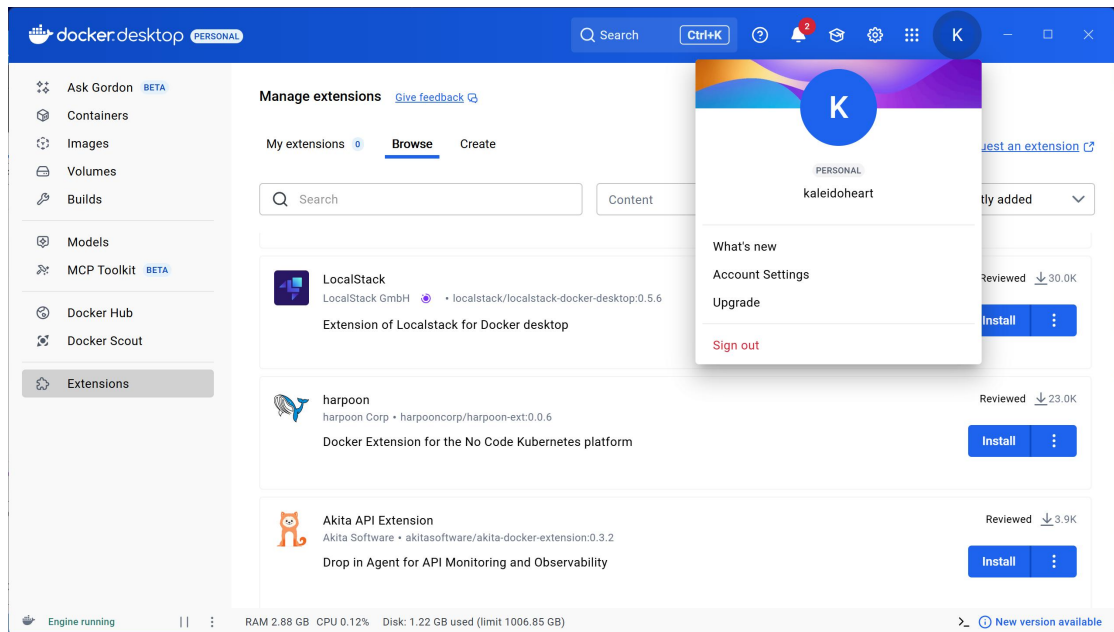


Lab4

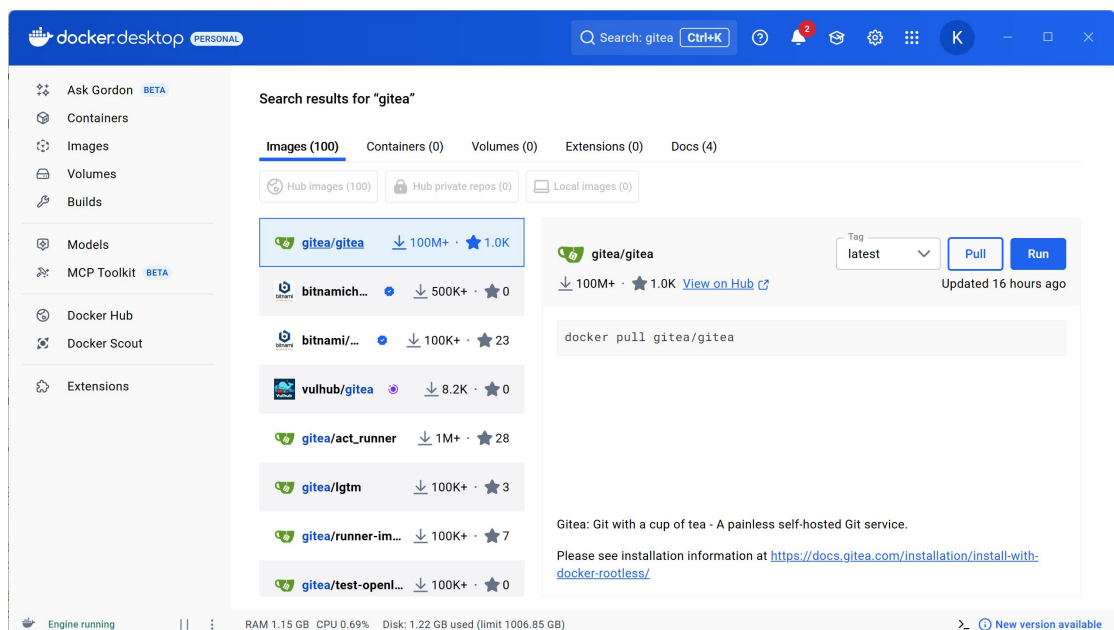
1. Install docker desktop.



2. Sign in docker desktop.



3. Pull gitea image.



4. Create docker-compose.yml

名称	修改日期	类型
 docker-compose.yml	2025/9/17 8:41	YML 文件

- Start up docker compose in terminal.

```
PS C:\study\云计算导论\docker\gitea> docker-compose up -d
[+] Running 1/1
  ✓ server Pulled
[+] Running 2/2
  ✓ Network gitea_gitea Created
  ✓ Container gitea Started
PS C:\study\云计算导论\docker\gitea>
```

- Use ps to check.

```
PS C:\study\云计算导论\docker\gitea> docker-compose ps
NAME        IMAGE               COMMAND                  SERVICE    CREATED   STATUS    PORTS
gitea       docker.gitea.com/gitea:1.24.6  "/usr/bin/entrypoint..." server      2 minutes ago Up 2 minutes 0.0.0.0:3000
->3000/tcp, [::]:3000->3000/tcp, 0.0.0.0:222->22/tcp, [::]:222->22/tcp
```

- Get to port 3000 to configure gitea.

127.0.0.1:3000
☆

初始配置

如果您正在使用 Docker 容器运行 Gitea，请务必先仔细阅读 [官方文档](#) 后再对本页面进行填写。

数据库设置

Gitea 需要使用 MySQL、PostgreSQL、MSSQL、SQLite3 或 TiDB (MySQL协议) 等数据库

数据库类型 *

数据库文件路径 *

SQLite3 数据库的文件路径。
如果以服务的方式运行 Gitea，请输入绝对路径。

一般设置

站点名称 *

您可以在此处输入您公司的名称。

仓库根目录 *

所有远程 Git 仓库将保存到此目录。

LFS根目录

存储为Git LFS的文件将被存储在此目录。留空禁用LFS

以用户名运行 *

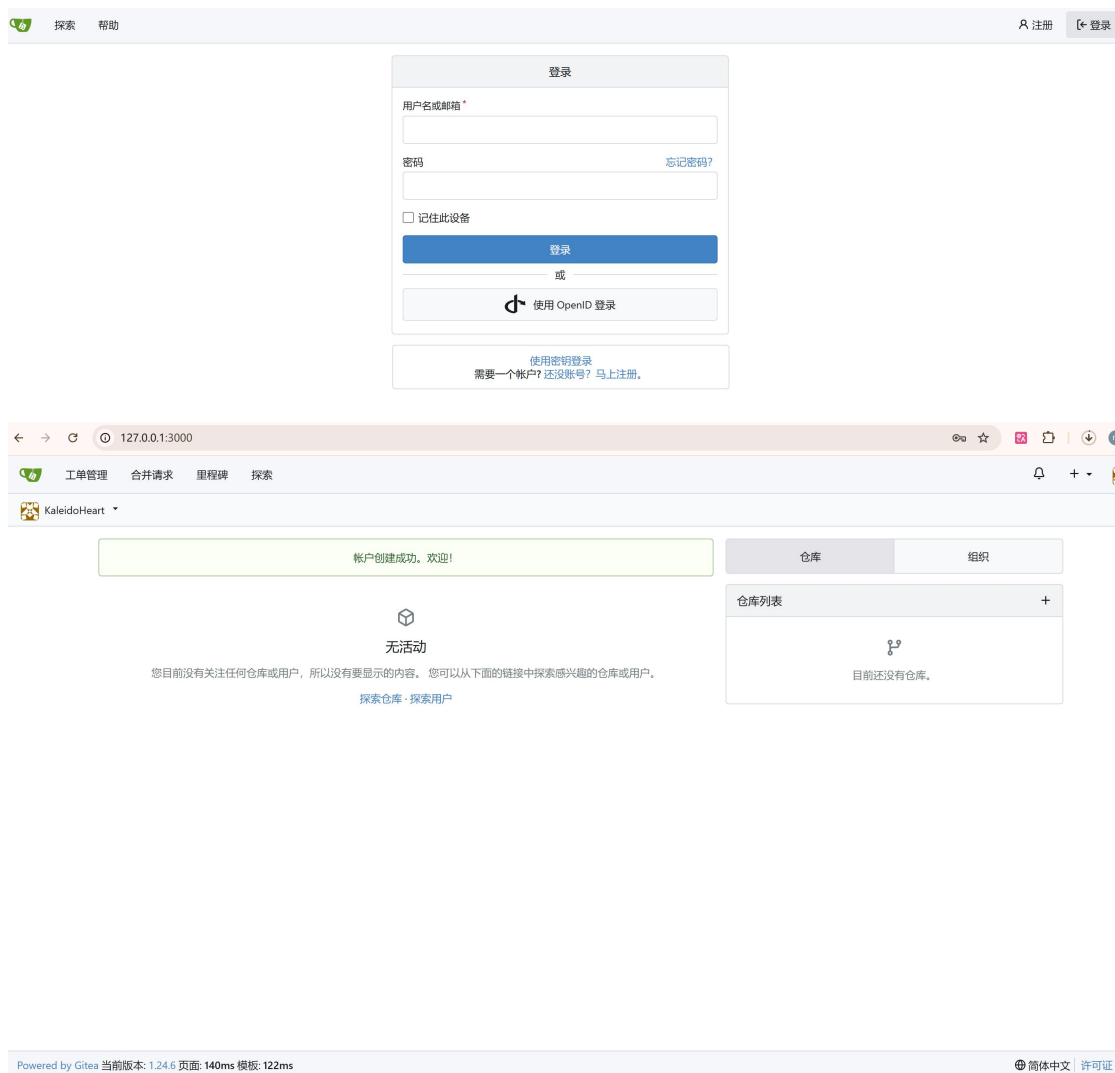
输入 Gitea 运行的操作系统用户名。请注意，此用户必须具有对仓库根路径的访问权限。

服务器域名 *

服务器的域名或主机地址。

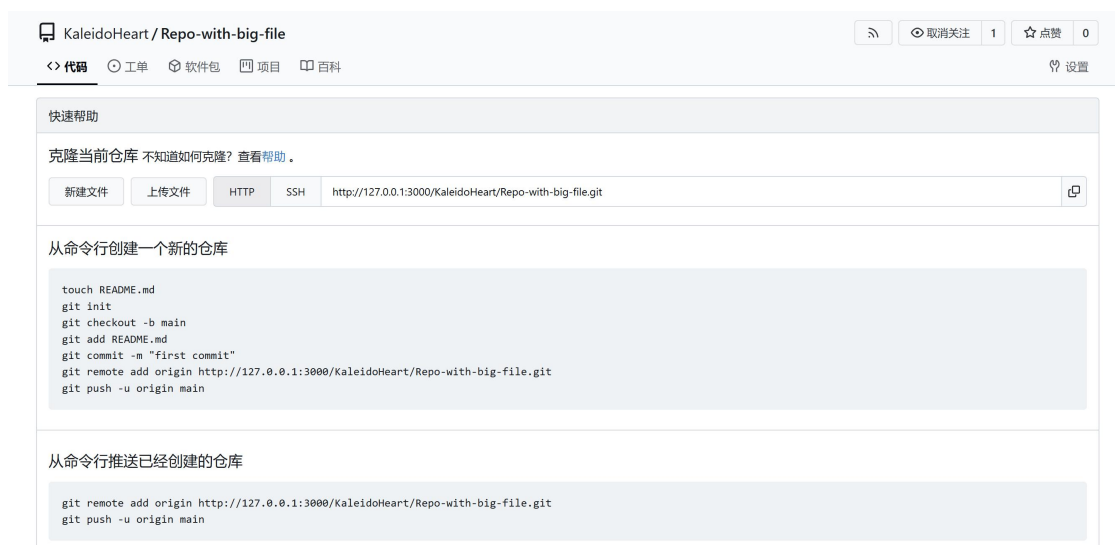
SSH 服务端点

- Sign in. Set up successfully.



A.B.

1. Create a repo



S

2. Prepare for a 1.5GB big file.

 1.5GB-test-file.zip	2025/9/17 9:09	ZIP 压缩文件	1,578,073 KB
---	----------------	----------	--------------

3. Use git to upload the file to repo.

```
PS C:\study\云计算导论\test files> git init
Initialized empty Git repository in C:/study/云计算导论/test files/.git/
PS C:\study\云计算导论\test files> git remote add origin http://127.0.0.1:3000/KaleidoHeart/Repo-with-big-file.git
PS C:\study\云计算导论\test files> git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'http://127.0.0.1:3000/KaleidoHeart/Repo-with-big-file.git'
PS C:\study\云计算导论\test files> git add .
PS C:\study\云计算导论\test files> git commit -m "add large file (1.5G) to repo "
[master (root-commit) c7398e8] add large file (1.5G) to repo
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 1.5GB-test-file.zip
PS C:\study\云计算导论\test files> git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'http://127.0.0.1:3000/KaleidoHeart/Repo-with-big-file.git'
PS C:\study\云计算导论\test files> git push -u origin master:main
warning: use of unencrypted HTTP remote URLs is not recommended; see https://aka.ms/gcm/unsafereotes for more informat
on.
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.50 GiB | 6.12 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: . Processing 1 references
remote: Processed 1 references in total
To http://127.0.0.1:3000/KaleidoHeart/Repo-with-big-file.git
 * [new branch]      master -> main
branch 'master' set up to track 'origin/main'.
```


C.

1. Create a repo called Lab4 on Gitea.

创建仓库

代码仓库包含了所有的项目文件，包括版本历史记录。已经在其他地方托管了？ [迁移仓库](#)。

拥有者 *

 KaleidoHeart

由于最大仓库数量限制，一些组织可能不会显示在下拉列表中。

仓库名称 *

Lab4

理想的仓库名称应由简短、有意义和独特的关键词组成。".profile"和 ".profile-private" 可用于为用户/组织添加 README.md。

可见性

☐ 将仓库设为私有

只有组织所有人或拥有权利的组织成员才能看到。

仓库描述

All works of lab4.

模板

选择模板

工单标签

选择一个工单标签集

2. Add all files in the folder to repo.

```

PS C:\study\云计算导论\Labs\Lab4> git init
Reinitialized existing Git repository in C:/study/云计算导论/Labs/Lab4/.git/
PS C:\study\云计算导论\Labs\Lab4> git add .
PS C:\study\云计算导论\Labs\Lab4> git commit -m "add all works of lab4 to repo"
[master (root-commit) 1fa7581] add all works of lab4 to repo
4 files changed, 27 insertions(+)
create mode 100644 Lab4.txt
create mode 100644 Lab4.docx
create mode 160000 test files
create mode 100644 ~$Lab4.docx
PS C:\study\云计算导论\Labs\Lab4> git remote add origin http://127.0.0.1:3000/KaleidoHeart/Lab4.git
PS C:\study\云计算导论\Labs\Lab4> git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'http://127.0.0.1:3000/KaleidoHeart/Lab4.git'
PS C:\study\云计算导论\Labs\Lab4> git push -u origin master
remote: Failed to authenticate user
fatal: Authentication failed for 'http://127.0.0.1:3000/KaleidoHeart/Lab4.git/'

```

D.

1. Find the local file path of gitea from docker-compose.yml.

C:\study\云计算导论\docker\gitea\docker-compose.yml - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

```

1
2 networks:
3   gitea:
4     external: false
5
6 services:
7   server:
8     image: docker.gitea.com/gitea:1.24.6
9     container_name: gitea
10    environment:
11      - USER_UID=1000
12      - USER_GID=1000
13    restart: always
14    networks:
15      - gitea
16    volumes:
17      - ./gitea:/data
18      - /etc/timezone:/etc/timezone:ro
19      - /etc/localtime:/etc/localtime:ro
20    ports:
21      - "3000:3000"
22      - "222:22"

```

gitea	2025/9/17 8:41	文件夹
docker-compose.yml	2025/9/21 17:29	YML 文件

gitea

详细信息

类型 文件夹

文件位置 C:\study\云计算导论\docker\git...

修改日期 2025/9/17 8:41

属性

- Compress the folder into a zip backup file.

gitea	2025/9/17 8:41	文件夹
docker-compose.yml	2025/9/21 17:29	YML 文件
gitea-backup.zip	2025/9/21 17:36	ZIP 压缩文件

- Transfer it to another computer(wsl):
- Install ssh

```

undefined@Undefined:~$ sudo apt update
sudo apt install -y openssh-server
sudo service ssh start
[sudo] password for undefined:
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [129 kB]
Hit:2 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [128 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [127 kB]
Fetched 384 kB in 6s (63.3 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
120 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:8.9p1-3ubuntu0.13).
0 upgraded, 0 newly installed, 0 to remove and 120 not upgraded.

```

- Use scp to move file

```

PS C:\Windows\system32> scp "C:\study\云计算导论\docker\gitea\gitea-backup.zip" undefined@172.20.10.8:/home/undefined/
The authenticity of host '172.20.10.8 (172.20.10.8)' can't be established.
ED25519 key fingerprint is SHA256:DxfluubC+11DJTra972NJ5pAmttGmKipouPlwiur3z0.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Please type 'yes', 'no', or the fingerprint:
Please type 'yes', 'no', or the fingerprint:
Warning: Permanently added '172.20.10.8' (ED25519) to the list of known hosts.
undefined@172.20.10.8's password:
gitea-backup.zip
100% 1541MB 32.5MB/s 00:47

```

- Success

```

undefined@Undefined:~$ ls
Project  get_helm.sh  gitea-backup.zip

```