Docker Hub

1. 注册账号

Docker Hub的注册页面：https://hub.docker.com/signup

Docker Hub是免费的, Docker需要填写用户名, 密码和电子邮件地址。

2. 新建仓库

在浏览器登陆账号：

在浏览器登陆Docker Hub，创建仓库：

1
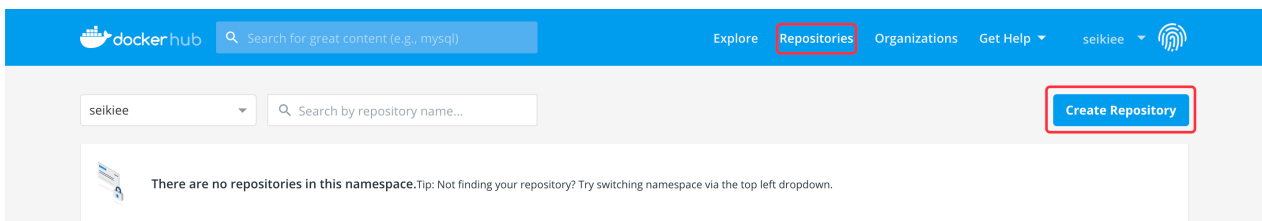
2

Repositories › Create

Using 0 of 1 private repositories. Get more

Create Repository

seikiee ▾   test

used for testing

Visibility

Using 0 of 1 private repositories. Get more

○ **Public** 🌐
Public repositories appear in Docker Hub search results

◉ **Private** 🔒
Only you can view private repositories

Build Settings *(optional)*

Autobuild triggers a new build with every **git push** to your source code repository. Learn More.

Please re-link a GitHub or Bitbucket account

We've updated how Docker Hub connects to GitHub and Bitbucket. You'll need to re-link a GitHub or Bitbucket account to create new automated builds. Learn More

Disconnected   Disconnected

Cancel   Create   Create & Build

Pro tip

You can push a new image to this repository using the CLI

```
docker tag local-image:tagname new-repo:tagname
docker push new-repo:tagname
```

Make sure to change *tagname* with your desired image repository tag.

docker

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创建完成：

Repositories › seikiee / test

Using 1 of 1 private repositories. Get more

General   Tags   Builds   Timeline   Collaborators   Webhooks   Settings

🔒 **seikiee / test**

used for testing ✏

🕐 Last pushed: never

Docker commands

To push a new tag to this repository,

```
docker push seikiee/test:tagname
```

Tags
This repository is empty. When it's not empty, you'll see a list of the most recent tags here.

Recent builds
Link a source provider and run a build to see build results here.

Readme ⓘ ✏

Repository description is empty. Click here to edit.

3. 发布镜像

在服务器输入如下命令登陆Docker Hub。

```
1  docker login --username=<Docker ID>
```

示例图：

登陆用户名为seikiee的账号：

```
[root@iZ01440y5k6ttwZ:/home/ying# docker login --username=seikiee
[Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
```

3.1 发布已存在的镜像

1. 查看已存在的镜像。

```
1  docker images
```

示例图：

```
[root@iZ01440y5k6ttwZ:/home/ying# docker images
REPOSITORY        TAG              IMAGE ID        CREATED          SIZE
gentle-vue        latest           5c64ef56c107    5 days ago       128MB
redis             latest           4cdbec704e47    13 days ago      98.2MB
node              latest           c31fbeb964cc    13 days ago      943MB
nginx             latest           ed21b7a8aee9    13 days ago      127MB
mysql             5.7              413be204e9c3    13 days ago      456MB
java              8                d23bdf5b1b1b    3 years ago      643MB
```

2. 标记镜像并推送镜像。

```
1  docker tag <IMAGE ID> <Docker ID>/<repo-name>[:<tag>]
2  docker push <Docker ID>/<repo-name>
```
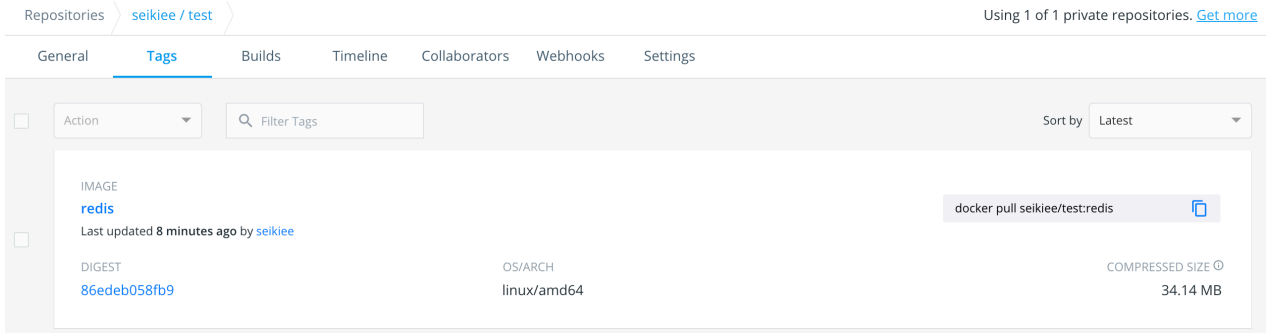
示例图：

希望将镜像redis推送到Docker Hub，首先标记该镜像：

```
[root@iZ01440y5k6ttwZ:/home/ying# docker tag 4cdbec704e47 seikiee/test:redis
```

推送镜像redis：

```
[root@iZ01440y5k6ttwZ:/home/ying# docker push seikiee/test
```

推送成功后可以在Docker Hub上查看：

General   **Tags**   Builds   Timeline   Collaborators   Webhooks   Settings

☐   Action   ▼   🔍 Filter Tags   Sort by   Latest   ▼

☐
IMAGE
redis
Last updated **8 minutes ago** by **seikiee**

docker pull seikiee/test:redis   📋

DIGEST   OS/ARCH   COMPRESSED SIZE ⓘ
86edeb058fb9   linux/amd64   34.14 MB

3.2 发布正在运行的容器

1. 查看运行容器。

```
1  docker ps
```

示例图：

```
root@iZ01440y5k6ttwZ:/home/ying# docker ps
CONTAINER ID      IMAGE           COMMAND               CREATED         STATUS          PORTS                           NAMES
93cc118e2f69      mysql:5.7       "docker-entrypoint.s…" 4 seconds ago   Up 2 seconds    33060/tcp, 0.0.0.0:3303->3306/tcp   mysql
```

2. 将容器制作成镜像并推送镜像。

```
1  docker commit <CONTAINER ID> <Docker ID>/<repo-name>[:<tag>]
2  docker push <Docker ID>/<repo-name>
```
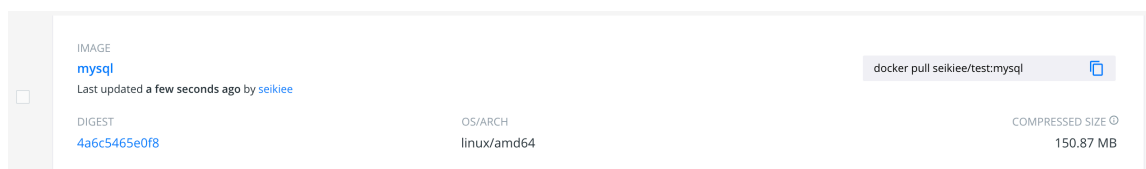
示例图：

将运行的mysql容器制作成镜像：

```
root@iZ01440y5k6ttwZ:/home/ying# docker commit 93cc118e2f69 seikiee/test:mysql
sha256:18f01996f1aa6b8cbfdd2b769715b97c57c6d1b3b6efd7de3909da7995e83533
```

推送该镜像：

```
root@iZ01440y5k6ttwZ:/home/ying# docker push seikiee/test:mysql
The push refers to repository [docker.io/seikiee/test]
58015047aec2: Pushed
a5342564276e: Mounted from library/mysql
4d6b6a89f514: Mounted from library/mysql
a470322a69ae: Mounted from library/mysql
d0934054d7c9: Mounted from library/mysql
1a945d224d74: Mounted from library/mysql
a1452fb52f96: Mounted from library/mysql
b63d6049d8d7: Mounted from library/mysql
c08e063406bc: Mounted from library/mysql
f36486186489: Mounted from library/mysql
3aa6919958ae: Mounted from library/mysql
c3a984abe8a8: Layer already exists
mysql: digest: sha256:4a6c5465e0f8c54a3961cc2b62c4f0a473e04ec21bf2fc8a3cd79f94f1e5af22 size: 2828
```

推送成功后可以在Docker Hub上查看：

☐
IMAGE
mysql
Last updated **a few seconds ago** by **seikiee**

docker pull seikiee/test:mysql   📋

DIGEST   OS/ARCH   COMPRESSED SIZE ⓘ
4a6c5465e0f8   linux/amd64   150.87 MB

4. 使用仓库镜像

```
1  docker run <CONTAINER ID> <Docker ID>/<repo-name>[:<tag>]
```

5. 其他

删除镜像：

```
1  docker rmi <REPOSITORY>:<TAG>
```