

# Docker的安装使用

# jetPack 默认已经安装了docker

- 查看docker版本：
- `docker -v`
- 如果提示没有权限可以
- `sudo docker -v`

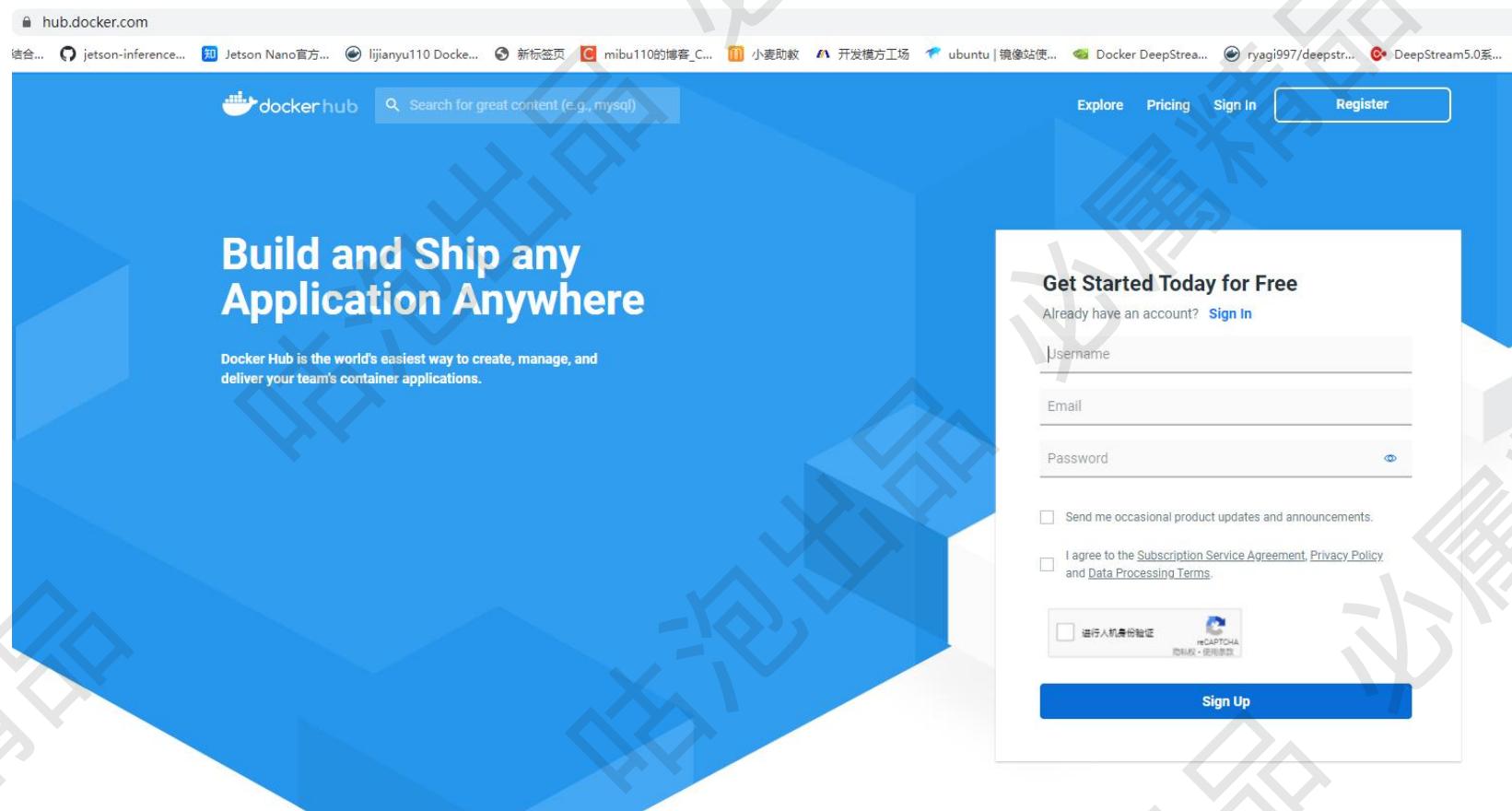
# 下载docker

docker pull dustynv/jetson-inference:r32.7.1

提示没有权限，所以我们要到 <https://hub.docker.com/> 注册

```
Docker version 20.10.1, build 20.10.1-ubuntu-18.04.3
zlx@nano128G:~$ docker pull dustynv/jetson-inference:r32.7.1
Got permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/create?fromImage=dustynv%2Fjetson-inference&tag=r32.7.1: dial unix /var/run/docker.sock: connect: permission denied
```

# https://hub.docker.com/ 注册



The image shows the Docker Hub website with a registration modal open. The background is a blue geometric pattern with the text "Build and Ship any Application Anywhere". The modal is titled "Get Started Today for Free" and contains a registration form.

hub.docker.com

Jetson Nano官方... iijianyu110 Docker... 新标签页 mibu110的博客\_C... 小鹿助教 开发魔方工场 ubuntu | 镜像站使... Docker DeepStrea... ryagi997/deepstr... DeepStream5.0系...

docker hub Search for great content (e.g., mysql)

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## Build and Ship any Application Anywhere

Docker Hub is the world's easiest way to create, manage, and deliver your team's container applications.

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☐ 进行人机身份验证

Sign Up

# 非root用户使用docker

- 当前用户增加到 docker组，这个组默认已经存在
- `sudo usermod -aG docker $USER`
- 注销并重新登录，以便重新评估您的组成员身份
- `newgrp docker`
- 给其他用户读写 `docker.sock` 的权限
- `sudo chmod a+rw /var/run/docker.sock`

# 命令控制台中登陆docker

- `docker login --username 账号名`

```
zlx@nano128G:~$ sudo usermod -aG docker $USER
zlx@nano128G:~$ newgrp docker
zlx@nano128G:~$ sudo chmod a+rw /var/run/docker.sock
zlx@nano128G:~$ docker login --username lijianyu110
Password:
WARNING! Your password will be stored unencrypted in /home/zlx/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
zlx@nano128G:~$
```

# 拉取docker镜像

- `docker pull dustynv/jetson-inference:r32.7.1`

# docker 基础命令

- 查看docker 镜像
- docker images
- 启动 docker 镜像
- docker run -it [镜像ID IMAGEID]
- 示例:
- docker run -it d63f752103bb
- 也可以用 镜像名称+版本
- docker run -it ubuntu:latest



# 查看 docker 运行时容器

- 查看运行时容器
  - docker ps
- 查看所有容器
  - docker ps -a

# 进入一个已经启动的 docker 容器

- `docker exec -it 【容器id】 【命令】`
- `docker exec -it a92ec1ba7c78 /bin/bash`

