Docker

- Ubuntu □□□□ Dockerfile
- OrbStack - docker ubuntu □□□ x86 architecture □□□□ □□ □□

Ubuntu □□□ Dockerfile

Dockerfile

```
# □□ Ubuntu □□□□ □□□□□.
FROM ubuntu:22.04

# □□□ □□□ □□□□□□ □□ □□ □□□□□ □□□□□.
RUN apt-get update && apt-get install -y \
    curl \
    wget \
    vim \
    iproute2 \
    net-tools \
    procps \
    lsb-release \
    && apt-get clean

# □□□□ □□ □ bash□ □□□□□.
CMD ["bash"]
```

```
docker build -t my-ubuntu-with-utils .
```

OrbStack - docker ubuntu □□□ x86 architecture □□□□ □□ □□

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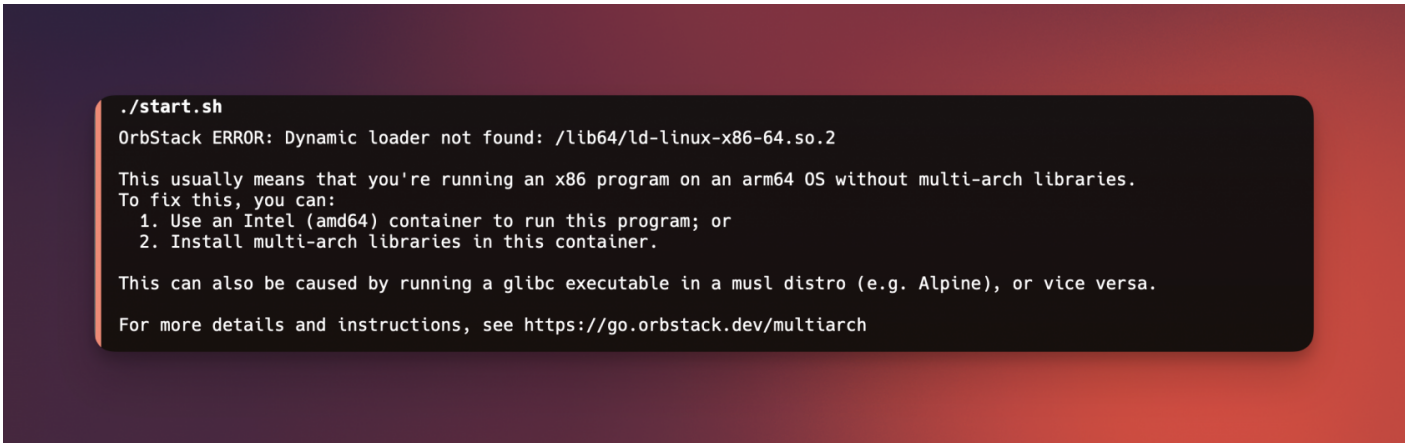

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https://docs.orbstack.dev/machines/#multi-architecture

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2. Install multi-arch libraries in this container.
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1. **Multi-arch □□ □ libc6:amd64 □□**
   - multi-arch□ `libc6:amd64` □□□□ □□□□ □□□ □□□□ □□□ □□ □□.
   - `/tmp/apt-dpkg-install-pQVhzt/5-libc6_2.37-0ubuntu2.2_amd64.deb` □□□ □□□ □□ □□.
2. **libgcc-s1 □ libcrypt1 □□□ □□**
   - `libc6:amd64` □ `libgcc-s1` □ `libcrypt1` □□□ □□□ □□ □□.
   - □□□ □□□ □□□□ □□□□□□ □□□□ □□ □ URL□ □□□□ □□.
3. □□□ □□□ □□ **apt □□**

- `sudo apt update` [`sudo apt install libgcc-s1:amd64 libcrypt1:amd64` □□□ □□.
- □□□ □□□ □□ □□□ □□ □□.

4. □□□ □□□ □□ □□
   - `sudo apt --fix-broken install` □□□ □□□□ □□ □□□□ □□.
   - □□ [`libc6:amd64` □□□□.
5. **libstdc++.so.6 □□□□□ □□**
   - `./start.sh` □[`libstdc++.so.6` □□□□□□ □□□□ □□ □□.
   - `sudo apt install libstdc++6` □□□□ □□□□□□ □□.

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- Multi-arch □□:

```
sudo dpkg --add-architecture amd64
sudo apt update
```

- □□ □□□ □□:

```
echo 'deb [arch=arm64] http://ports.ubuntu.com/ubuntu-ports lunar main restricted universe
multiverse
deb [arch=arm64] http://ports.ubuntu.com/ubuntu-ports lunar-updates main restricted universe
multiverse
deb [arch=arm64] http://ports.ubuntu.com/ubuntu-ports lunar-security main restricted universe
multiverse
deb [arch=amd64] http://archive.ubuntu.com/ubuntu lunar main restricted universe multiverse
deb [arch=amd64] http://archive.ubuntu.com/ubuntu lunar-updates main restricted universe
multiverse
deb [arch=amd64] http://archive.ubuntu.com/ubuntu lunar-security main restricted universe
multiverse' | sudo tee /etc/apt/sources.list
```

- □□□ □□:

```
sudo apt update
sudo apt install libc6:amd64
```

- □□□ □□ □□:

```
sudo apt --fix-broken install
sudo apt install libgcc-s1:amd64 libcrypt1:amd64
sudo dpkg -i libc6_2.37-0ubuntu2.2_amd64.deb
```

- `libstdc++.so.6` □□□□□ □□:

```
sudo apt install libstdc++6
sudo apt install libstdc++6:amd64
```