

第一次作业

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1. 使用 2048 源代码构建 2048 镜像
2. 通过 Docker 运行单机版 2048
3. 在 2048 镜像中，使用 RUN 命令安装 iputils-ping (apt update && apt install -y iputils-ping)
4. 使用 docker exec 命令，进入到容器中，执行 ping 命令

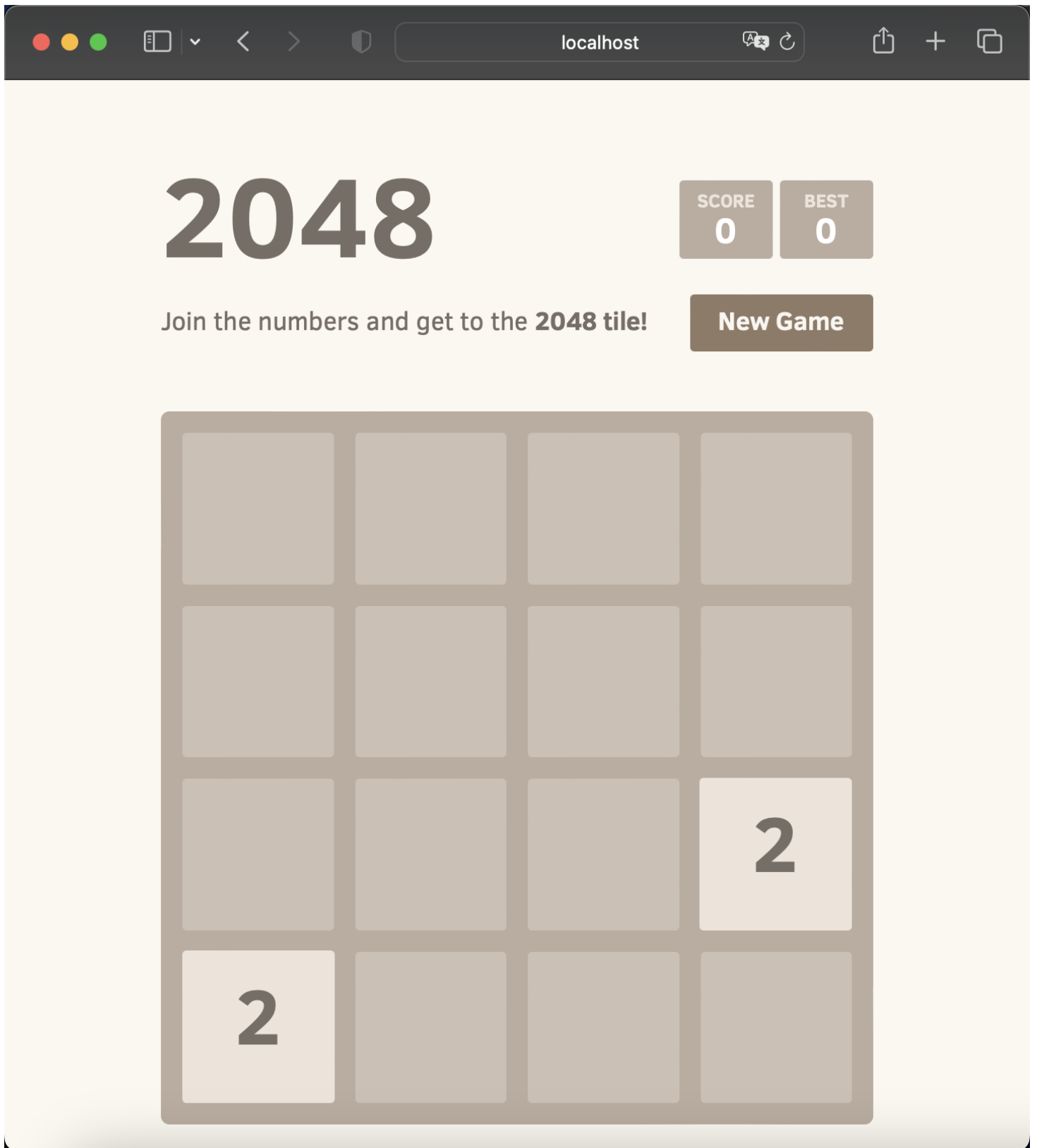
1. 使用2048源代码构建2048镜像

```
# 构建2048镜像
docker build -t 2048-game .
# 运行2048镜像
docker run -d -p 8080:80 2048-game
```

```
[ethylene@wangyixideMacBook-Pro 2048 % docker build -t 2048-game .
[+] Building 0.0s (7/7) FINISHED
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 402B
=> [internal] load metadata for docker.io/library/nginx:latest
=> [internal] load build context
=> => transferring context: 4.08kB
=> [1/2] FROM docker.io/library/nginx:latest
=> CACHED [2/2] COPY 2048-master /usr/share/nginx/html
=> exporting to image
=> => exporting layers
=> => writing image sha256:44b9236b376871f7fc60ddac863b6cee6af17bd7232434917cb729a3ec6309f2
=> => naming to docker.io/library/2048-game
[ethylene@wangyixideMacBook-Pro 2048 % docker run -d -p 8080:80 2048-game
f7e99d222c0ff536477fe25570b7736c6e78ccd2d64325a43cfc98d9601dd552
```

2. 通过 Docker 运行单机版 2048

访问<http://localhost:8080>



3. 在 2048 镜像中，使用 RUN 命令安装 iputils-ping

```
# 进入Dockerfile
vim Dockerfile
# 添加以下内容
RUN apt update && apt install -y iputils-ping
```

```
# Pull base image.
FROM nginx:latest

COPY 2048-master /usr/share/nginx/html
RUN apt update && apt install -y iputils-ping

~
~
~
~
```

4. 使用 docker exec 命令，进入到容器中，执行 ping 命令

```
# 获取container ID
docker ps
# 进入容器
docker exec -it f7e99d222c0f bash
# 执行ping命令
ping google.com
```

```
ethylene@wangyixideMacBook-Pro 2048 % docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                  NAMES
f7e99d222c0f   2048-game "/docker-entrypoint..." 30 minutes ago Up 30 minutes   0.0.0.0:8080->80/tcp   hopeful_rubin
ethylene@wangyixideMacBook-Pro 2048 % docker exec -it f7e99d222c0f bash
[root@f7e99d222c0f:/# ping baidu.com
PING baidu.com (39.156.66.10): 56 data bytes
64 bytes from 39.156.66.10: icmp_seq=0 ttl=62 time=37.097 ms
64 bytes from 39.156.66.10: icmp_seq=1 ttl=62 time=30.894 ms
64 bytes from 39.156.66.10: icmp_seq=2 ttl=62 time=37.124 ms
64 bytes from 39.156.66.10: icmp_seq=3 ttl=62 time=37.067 ms
64 bytes from 39.156.66.10: icmp_seq=4 ttl=62 time=38.388 ms
64 bytes from 39.156.66.10: icmp_seq=5 ttl=62 time=27.579 ms
^Z
[1]+  Stopped                  ping baidu.com
```