Docker

run

```
docker run -d --restart=always -p <host port>:<container port> -v
<volume> --name <container name> <image name>:<optional version>
# run => pull and start in one command
# -d => detach on run
# --restart => always restart the container. Defaults to 'no'
# -p => publish port
# -v => volume list
# --name => assign a name to the container
```

pull + run

```
docker pull <image name>
docker pull pengbai/docker-supermario
docker run -d -p 8765:8080 --name mario pengbai/docker-supermario
```

volumes

```
# data in container is reset on container stop

# anonymus volume
docker run -d --restart=always -p <host port>:<container port> -v
/app/data --name uptime-kuma louislam/uptime-kuma:1

# mount physical directory
docker run -d --restart=always -p <host port>:<container port> -v
/home/mount/data:/app/data --name uptime-kuma louislam/uptime-kuma:1

# create a volume and mount it (perferred choice)
docker volume create uptime-kuma
docker run -d --restart=always -p <host port>:<container port> -v
uptime-kuma:/app/data --name uptime-kuma louislam/uptime-kuma:1
```

basic commands

```
# access container shell
docker exec -it 6f7d8322947c bash

# stop container and delete it
docker stop <container id>
docker rm <container id>

# delete local image
```

```
docker rmi <image id>
```

Dockerfile example

```
FROM ubuntu
MAINTAINER Tomislav Plečko, tomislav@plecko.hr

RUN apt update
RUN apt -y install libicu-dev libssl-dev

RUN mkdir /app
COPY Vacation /app
RUN chmod +x /app/dotnet
RUN cd /app

# ENV DOTNET_SYSTEM_GLOBALIZATION_INVARIANT=1

WORKDIR /app

CMD ["/app/dotnet","/app/NoticeVacation.dll","--vacation"]

#ENTRYPOINT /app/dotnet /app/NoticeVacation.dll --zulip
```

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