

# Docker

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## Commands

### Build

```
docker build -t doxygen .
```

### Push

Before you could push, you have to add a tag.

```
docker tag doxygen:latest bricsi/doxygen
```

```
docker push bricsi/doxygen
```

### Run

```
docker run -it --rm google_test
```

`-it`: Run in foreground. `--rm`: Delete after exit.

Run with attached folder: 

```
docker run -it --rm -v E:\programming\c++\mosze\console-RPG1\tests:/tests google_test
```

### See images

```
docker images
```

### See running containers

```
docker ps -a
```

### Delete image

```
docker rmi google_test
```

### Delete running container

```
docker rm 7738b9fbd830
```

## Examples

```
FROM ubuntu:20.04
```

```
RUN apt update \  
&& DEBIAN_FRONTEND=noninteractive apt install -y \  
  make \  
  cmake \  
  cppcheck \  
  
```

```
g++ \  
doxygen \  
graphviz \  
git \  
&& rm -rf /var/lib/apt/lists/*
```

Define the operating system:

```
FROM ubuntu:20.04
```

Update everything to later be able to install apps:

```
RUN apt update
```

Install app without asking and automatically say yes:

```
DEBIAN_FRONTEND=noninteractive apt install -y
```

Remove cache:

```
rm -rf /var/lib/apt/lists/*
```

To type a new line, you need to put this character at the end of the line: \