Building Docker Containers

Building a Docker container from a published image

```
$docker commit <id or name>
```

The **`commit`** command will:

- If the container is not stopped, it Pauses it first
- It saves the container *layer* as a read-only *image*
- Then the committed layer acts like a pulled image
- Containers get a new copy-on-write layer (and saving state)

To verify : `$docker images`

But Best Practice is to use

Dockerfile

Demo

#init6

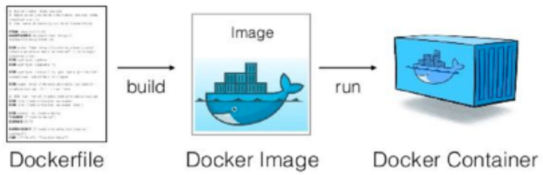
Building Docker Containers

Dockerfile Building a Docker container from a published image

```
$docker build -t <name> <context path>
```

The **`build`** command will:

- Provide a simple configuration management
- Produce a repeatable container image creation
- It is based off **Dockerfile**




```
FROM ubuntu:latest

RUN apt-get update -y && apt-get install
-y python-pip python-dev build-essential

COPY . /app

WORKDIR /app

RUN pip install --upgrade pip && pip
install flask

ENTRYPOINT [ "python" ]

CMD ["main.py"]
```

Webapp Container

Demo

#init6