

## Dockerizing a Flask Blog Application

Prerequisites:

Docker installed on your machine.

Flask blog application source code.

A requirements.txt file listing all Python dependencies.

Steps:

Create a Dockerfile:

In the root directory of your Flask blog application, create a Dockerfile with the following content:

Dockerfile

```
FROM python:3.8-slim
```

```
WORKDIR /app
```

```
COPY requirements.txt requirements.txt
```

```
RUN pip install -r requirements.txt
```

```
COPY . .
```

```
CMD ["python", "app.py"]
```

Build the Docker Image:

Navigate to the directory containing the Dockerfile and execute:

```
docker build -t flask_blog:latest .
```

Push the Image to Docker Hub:

Log in to Docker Hub:

```
docker login
```

Tag the image for Docker Hub:

```
docker tag flask_blog:latest yourusername/flask_blog:latest
```

Push the image:

```
docker push yourusername/flask_blog:latest
```

Following are the snap shots:



