

Deployment of the app in IBM Cloud

Containerise the application

The image shows a development environment with VS Code and Docker Desktop. The VS Code editor displays a `Dockerfile` for containerizing a Python application. The Dockerfile includes instructions to use the `python:buster` base image, set the working directory to `/app`, copy the application files, install dependencies, expose port 5000, and run the application using `python app.py`.

```
1 FROM python:buster
2
3 WORKDIR /app
4
5 COPY . .
6
7 RUN pip install flask setuptools ibm_db bcrypt requests sendgrid
8
9 EXPOSE 5000
10
11 CMD ["python", "app.py"]
```

The Docker Desktop interface shows the 'Images on disk' section with 52 images totaling 6.71 GB. A search for 'flask' shows two images: 'flask-server' and 'icr.io/ibm-proj/flask-server', both with the 'latest' tag and an image ID of '481fbccd5615'. The interface also includes a sidebar with navigation options like 'Containers / Apps', 'Images', 'Volumes', and 'Dev Environments', and a bottom section for connecting to remote content.

NAME	TAG	IMAGE ID	CREATED	SIZE
flask-server	latest	481fbccd5615	about 1 hour ago	1.1 GB
icr.io/ibm-proj/flask-server	latest	481fbccd5615	about 1 hour ago	1.1 GB