Steps to Containerize your application

Requirement

* Docker install in work environment

Steps

1. Allow application to accept request from any host

Add bellow command to app.py

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host = '0.0.0.0',port=5000)

1. Copy Dockerfile to your application directory.  
    Working directory

|- app.py  
 |- requirment.txt

|- Dockerfile

|- Other files

1. Add any custom commands as per your requirement to Dockerfile(example can be found in Dockerfile
2. Build docker file. you have to run below command in working directory.

Eg: command format.

“Docker build -t <name fore docker>:<version Tag> .”

Sample command .

“docker build -t mc:v1 .”  
Note: “.” in this command at the end is required

1. Check newly build docker image-

“ docker images”

1. run docker image

Eg: command format

“docker run -it -p <application\_port>:<host\_port> <name fore docker>:<version Tag> “

Sample command

Docker run -it -p 5000:5000 mc:v1