

Containerize The App

Date	19/11/2022
Team ID	PNT2022TMID41025
Project Name	Inventory Management System for Retailers

Docker image creation:

☐ Docker image creation

```
C:\Windows\System32\cmd.exe
C:\Users\ADMIN\Desktop\ibmprom>docker build -t ibmprom
"docker build" requires exactly 1 argument.
See 'docker build --help'.

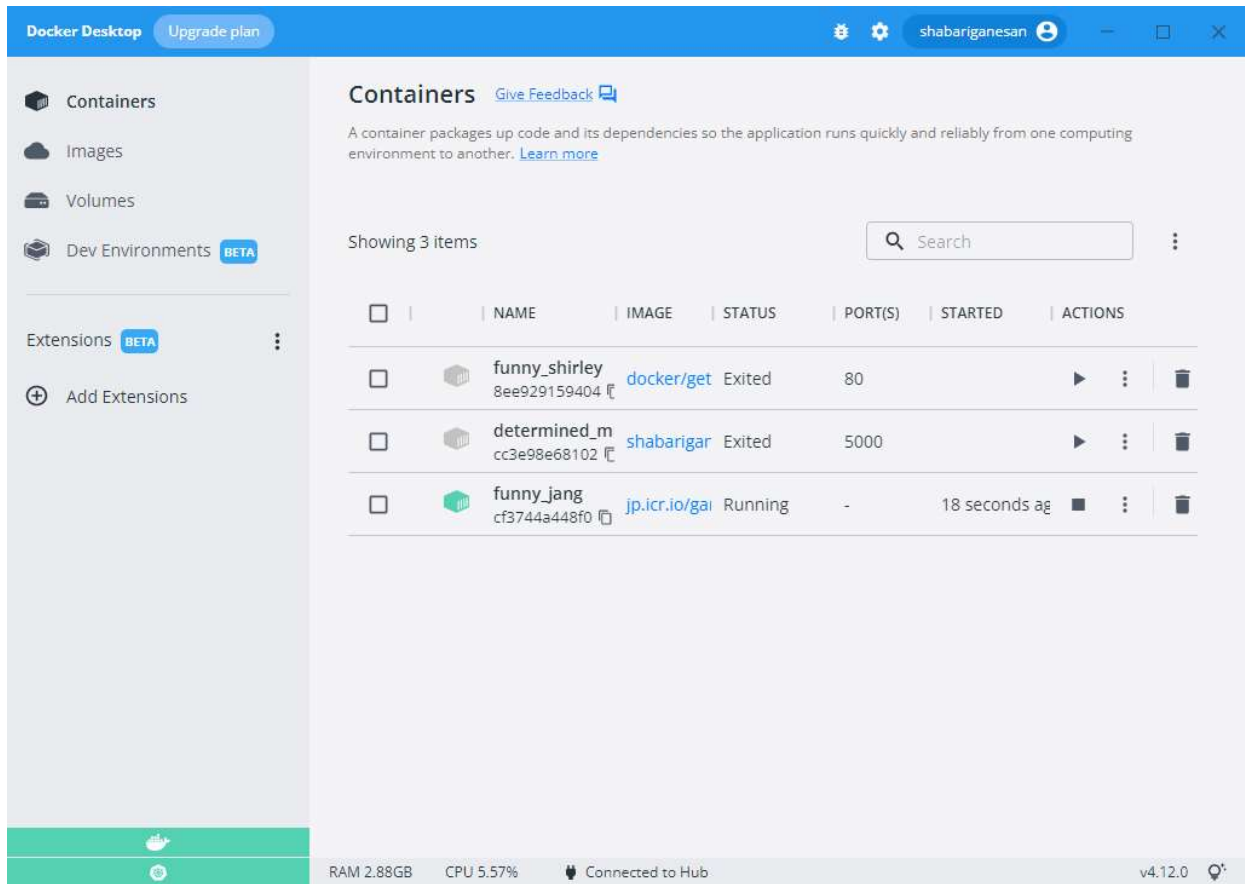
Usage:  docker build [OPTIONS] PATH | URL | -

[+] Building 11.0s (11/11) FINISHED
=> [internal] load .dockerignore                                0.2s
=> => transferring context: 2B                                  0.0s
=> [internal] load build definition from Dockerfile             0.2s
=> => transferring dockerfile: 32B                               0.0s
=> [internal] load metadata for docker.io/library/python:3.10.4 2.9s
=> [auth] library/python:pull token for registry-1.docker.io    0.0s
=> [1/5] FROM docker.io/library/python:3.10.4@sha256:cddebe04ec7846e28870cf8624b46313a22e6407b51ced3776588784caa 0.0s
=> [internal] load build context                                1.4s
=> => transferring context: 168.51kB                             1.2s
=> CACHED [2/5] WORKDIR /app                                    0.0s
=> CACHED [3/5] COPY requirements.txt ./                         0.0s
=> CACHED [4/5] RUN pip install -r requirements.txt             0.0s
=> [5/5] COPY . .                                              5.4s
=> exporting to image                                           0.8s
=> => exporting layers                                           0.6s
=> => writing image sha256:b3aa6047741975893ed869588d72acf994bec6aa5f8266c92cba9aab4e5ef6a2 0.0s
=> => naming to docker.io/library/ibmprom                       0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

[+] Building 3.9s (11/11) FINISHED
=> [internal] load build definition from Dockerfile             0.2s
=> => transferring dockerfile: 32B                               0.0s
```

Creating docker image for flask app:



The screenshot shows the Docker Desktop application window. The title bar includes 'Docker Desktop', an 'Upgrade plan' button, and a user profile 'shabariganesan'. The left sidebar contains navigation options: 'Containers', 'Images', 'Volumes', 'Dev Environments' (marked BETA), and 'Extensions' (marked BETA) with an 'Add Extensions' button. The main area is titled 'Containers' and includes a 'Give Feedback' link. A descriptive text states: 'A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)'. Below this, it says 'Showing 3 items' next to a search bar. A table lists three containers:

		NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>		funny_shirley 8ee929159404	docker/get	Exited	80		
<input type="checkbox"/>		determined_m cc3e98e68102	shabarigar	Exited	5000		
<input type="checkbox"/>		funny_jang cf3744a448f0	jp.lcr.io/gai	Running	-	18 seconds ag	

The bottom status bar shows system metrics: RAM 2.88GB, CPU 5.57%, and 'Connected to Hub'. The version 'v4.12.0' is displayed on the right.