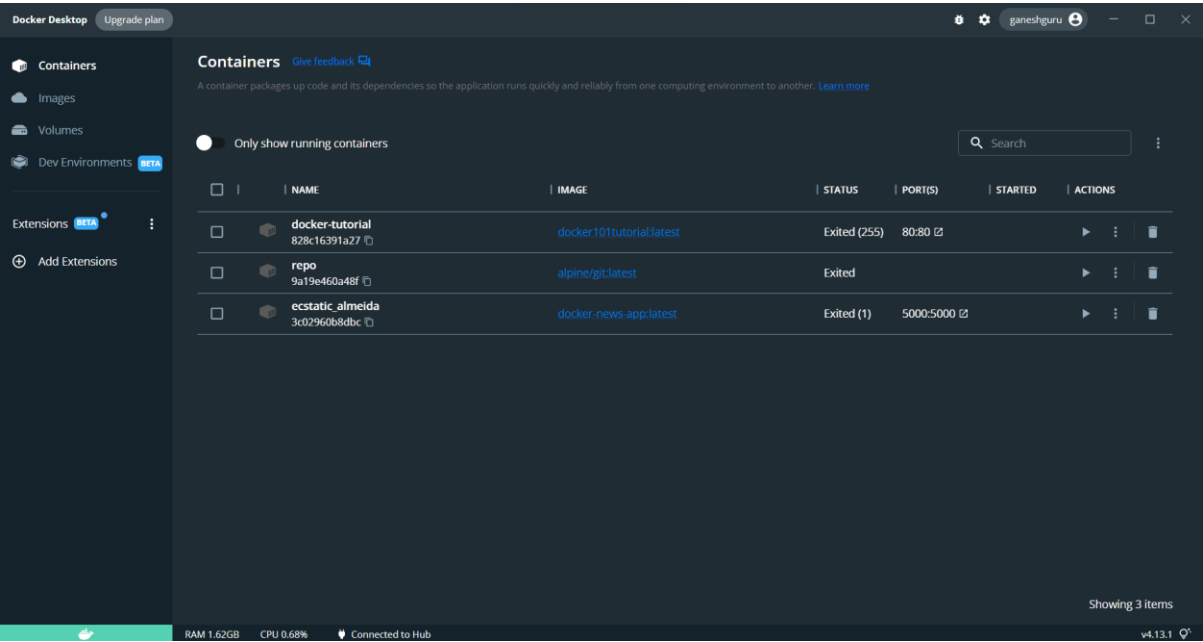


## Containerize application in docker:



## Containerize process:

```
C:\Windows\System32\cmd.exe

C:\Users\GANESHGURU A\OneDrive\Documents\IBM\Demo apps\NewsApp-Flask>docker image build -t docker-news-app .
[*] Building 76.5s (11/11) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 208B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/python:3.10.4-alpine
=> [auth] library/python:pull token for registry-1.docker.io
=> [1/5] FROM docker.io/library/python:3.10.4-alpine@sha256:f04a62c5f08dffec45b3d33a41c611 42.0s
=> => resolve docker.io/library/python:3.10.4-alpine@sha256:f04a62c5f08dffec45b3d33a41c611 0.6s
=> => sha256:f04a62c5f08dffec45b3d33a41c6112394669f17aca2b2dc260f7a993fa37 1.65kB / 1.65kB 0.0s
=> => sha256:54293681b8873556d38a4e6b04f52f4ac5c1d305ecf893a369892550d81b7c 1.37kB / 1.37kB 0.0s
=> => sha256:b22c7fb3bfa6952df2845519b474cbfbc37891c35af85d906930abed5daa 7.03kB / 7.03kB 0.0s
=> => sha256:2f22aa6a21a61558542d3c0696535f97d0368789f51a16ee04499d7f35 666.78kB / 666.78kB 4.6s
=> => sha256:91d09804da340b2e7e45812c485bd4476f9c41b090d830313b86b75cdfd 12.18MB / 12.18MB 28.6s
=> => sha256:2408cc74d12b6cd092bb8b516ba7d5e290f485d3eb9672efc0f058373017 2.80MB / 2.80MB 15.7s
=> => sha256:fc1baa69d0f9e425bbdba1f3b3268d31f54b69bc6478c8a3d4f7c5af59ea49bd 231B / 231B 7.3s
=> => sha256:d02b8c0080f2d9b012b521c710952d0f514152998d8b8306420f62f3ef049 2.87MB / 2.87MB 19.0s
=> => extracting sha256:2408cc74d12b6cd092bb8b516ba7d5e290f485d3eb9672efc0f0583730179e8 0.5s
=> => extracting sha256:2f22aa6a21a61558542d3c0696535f97d0368789f51a16ee04499d7f3560eb8c 0.4s
=> => extracting sha256:91d09804da340b2e7e45812c485bd4476f9c41b090d830313b86b75cdfd43723 1.2s
=> => extracting sha256:fc1baa69d0f9e425bbdba1f3b3268d31f54b69bc6478c8a3d4f7c5af59ea49bd 0.0s
=> => extracting sha256:d02b8c0080f2d9b012b521c710952d0f514152998d8b8306420f62f3ef04988b 0.7s
=> [internal] load build context
=> => transferring context: 99.46kB
=> [2/5] RUN pip install --upgrade pip 11.0s
=> [3/5] WORKDIR /docker-news-app 1.0s
=> [4/5] ADD . /docker-news-app 0.5s
=> [5/5] RUN pip install -r requirements.txt 9.4s
=> exporting to image 1.2s
=> => exporting layers 1.0s
=> => writing image sha256:a5b0898e593d2e74fda64ab37c7d1993a34e78367602db0eea808d6b3e097169 0.0s
=> => naming to docker.io/library/docker-news-app 0.0s

C:\Users\GANESHGURU A\OneDrive\Documents\IBM\Demo apps\NewsApp-Flask>docker image ls
REPOSITORY TAG IMAGE ID CREATED SIZE
docker-news-app latest a5b0898e593d 45 seconds ago 72.3MB
docker101tutorial latest 6a58a53571eb 10 days ago 28.9MB
alpine/git latest 42a1cda0ba24 3 weeks ago 43.6MB
```

## Upload images in ibm container registry

Cloud Object Storage

Storage instances

Cloud Object Storage-xi

**Buckets**

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)

Prefix filter

Upload

<input type="checkbox"/>	Object name	Archived ⓘ	Size	Last modified	
<input type="checkbox"/>	im...jpg		5.2 KB	2022-11-01 7:18 PM	⋮
<input type="checkbox"/>	im...jpg		3.7 KB	2022-11-01 7:18 PM	⋮
<input type="checkbox"/>	im...jpg		6.7 KB	2022-11-01 7:18 PM	⋮
<input type="checkbox"/>	im...jpg		4.2 KB	2022-11-01 7:18 PM	⋮
<input type="checkbox"/>	im...jpg		5.4 KB	2022-11-01 7:18 PM	⋮
<input type="checkbox"/>	st...css		2.5 KB	2022-11-01 7:18 PM	⋮

Drag and drop files (objects) here or click to upload

# Deploy in kubernates cluster

Clusters /

mycluster-free

Preparing master, workers...

Expires in 30 days

Add tags

Help

Kubernetes dashboard

Actions...

Overview

Worker nodes

Worker pools

DevOps New

Expires in 30 days:

Be sure to back up your data, your cluster will be deleted in 30 days. To access the full capabilities of the service, try out a [standard cluster](#).

Node status

1 of 1

Normal

Details

Add-on status

0 of 0

Normal

Details

Master status

Normal

Docs

Ingress status

Pending

Docs

Details

Cluster ID

cdo1d0af05e4g1amd370

Version

1.24.7\_1542

Infrastructure

Classic

Zones

Milan 01

Resource list

Create resource

Name	Group	Location	Product	Status	Tags
Filter by name or IP address... Filter by group or org... Filter... Filter... Filter... Filter...					
Compute (0)					
Containers (1)					
mycluster-free	Default	Frankfurt	Kubernetes Service	Normal	
Networking (0)					
Storage (1+)					
AI / Machine Learning (0)					
Analytics (0)					
Blockchain (0)					
Databases (2+)					
Developer tools (0)					