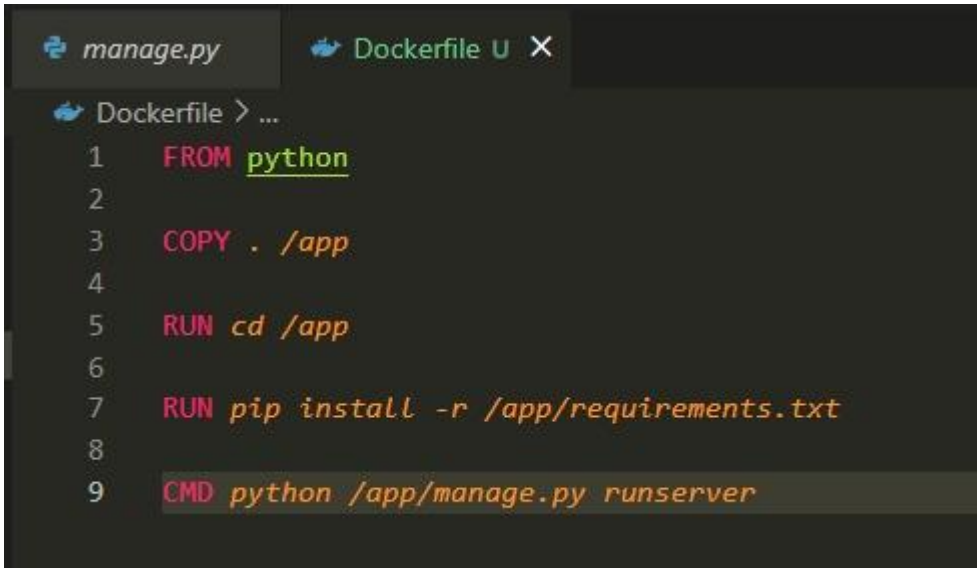
Docker File



Docker Build

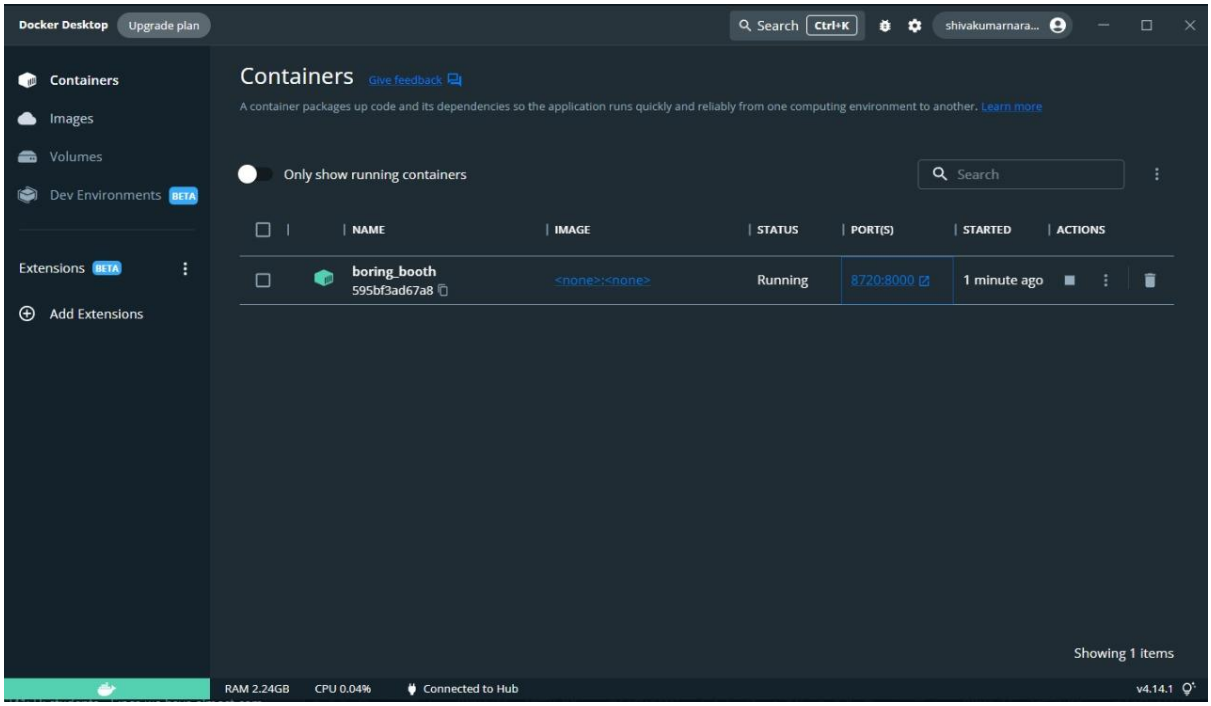
```
PS C:\Users\shiva\Documents\Clg\Projects\cloud\News_API-main\News_API-main\NewsAPI PROJECT\newsProject> docker build .
[+] Building 39.4s (9/9) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 176B
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load metadata for docker.io/library/python:latest
 => [internal] load build context
 => => transferring context: 17.51kB
 => CACHED [1/4] FROM docker.io/library/python@sha256:10fc14aa6ae69f69e4c953cffd9b0964843d8c163950491d2138af891377bc1d
 => [2/4] COPY . /app
 => [3/4] RUN cd /app
 => [4/4] RUN pip install -r /app/requirements.txt
 => exporting to image
 => => exporting layers
 => => writing image sha256:41db5dcf261d75701b32d5260ed9b7ad958a64c2087f46d6d8971bc61ee04078

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\shiva\Documents\Clg\Projects\cloud\News_API-main\News_API-main\NewsAPI PROJECT\newsProject>
```

Docker Run

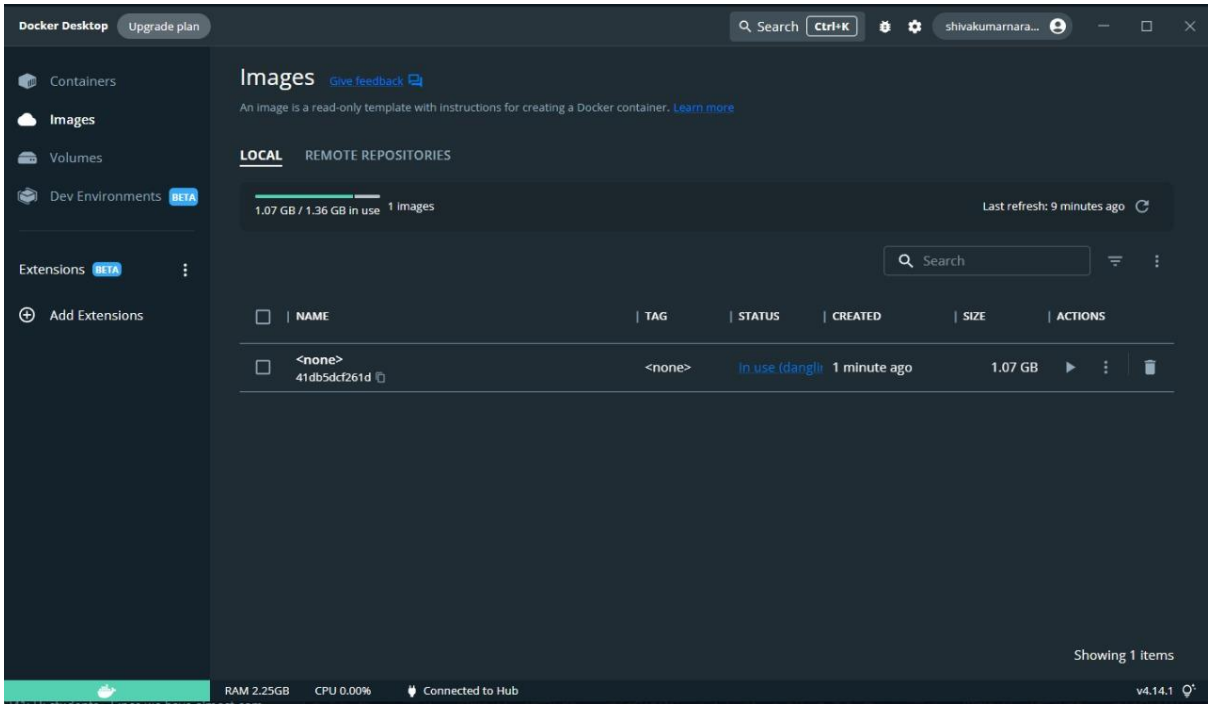
```
PS C:\Users\shiva\Documents\Clg\Projects\cloud\News_API-main\News_API-main\NewsAPI PROJECT\newsProject> docker run --rm -p 8720:8000 41
Watching for file changes with StatReloader
Performing system checks...

/app/newsapp/views.py:128: SyntaxWarning: "is not" with a literal. Did you mean "!="?
  if total_splits is not 7:
System check identified no issues (0 silenced).
November 25, 2022 - 08:43:43
Django version 4.0.5, using settings 'newsProject.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.
[25/Nov/2022 08:44:00] "GET / HTTP/1.1" 302 0
[25/Nov/2022 08:44:00] "GET /login HTTP/1.1" 200 2410
Not Found: /favicon.ico
[25/Nov/2022 08:44:00] "GET /favicon.ico HTTP/1.1" 404 3811
```

Website

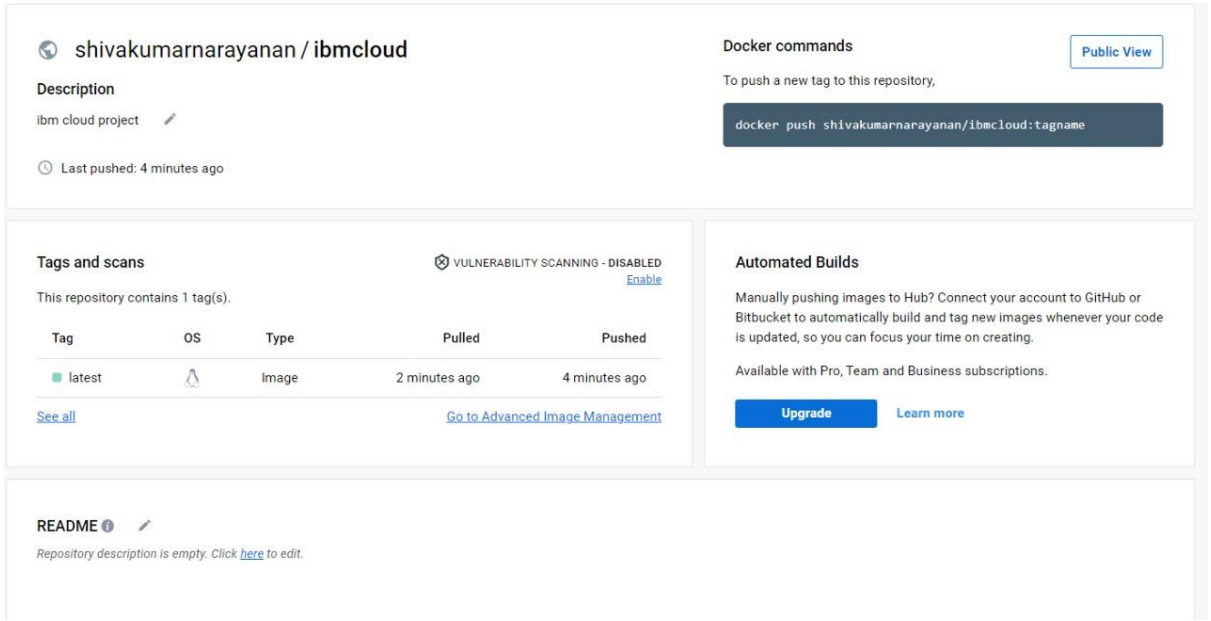
Container



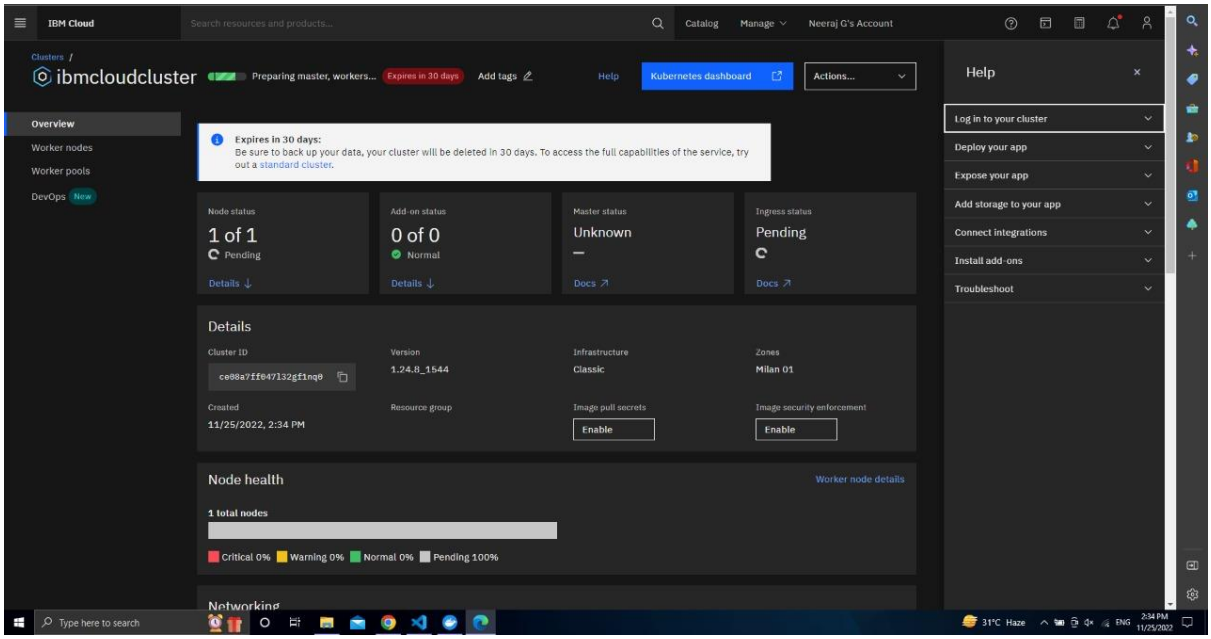
Image



Uploaded Image



Kubernetes Cluster



Running on Kubernetes