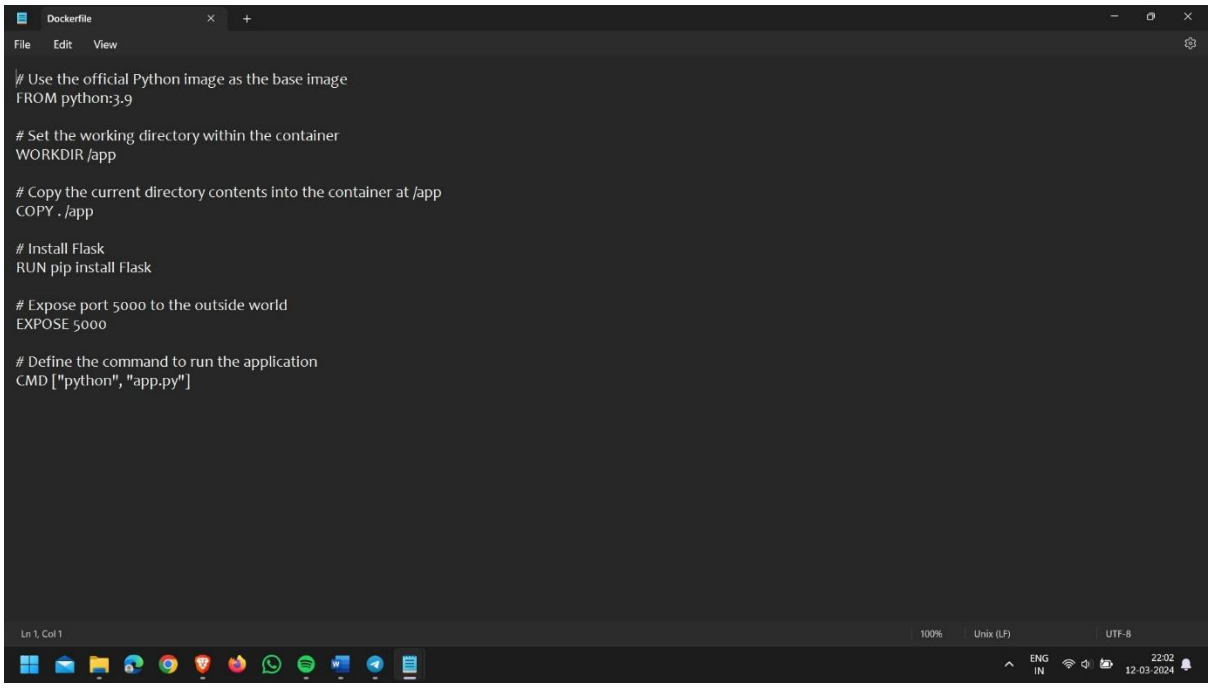
2100032449

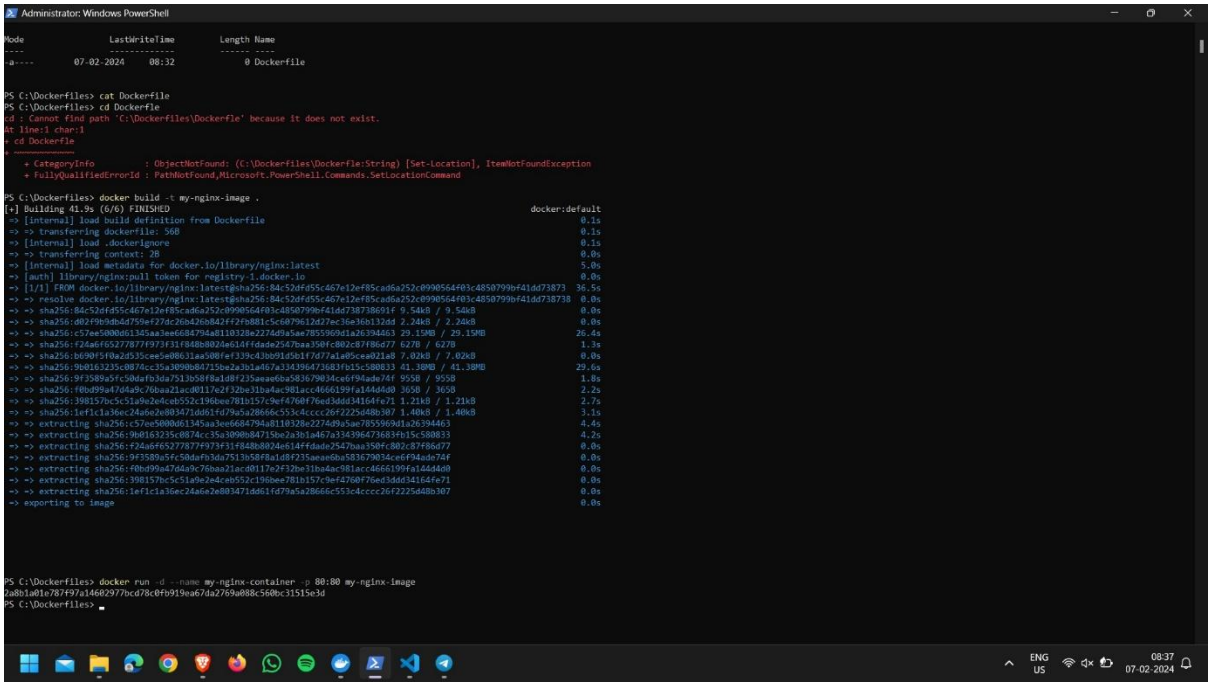
N. Bhanu Satya Venkatachalam

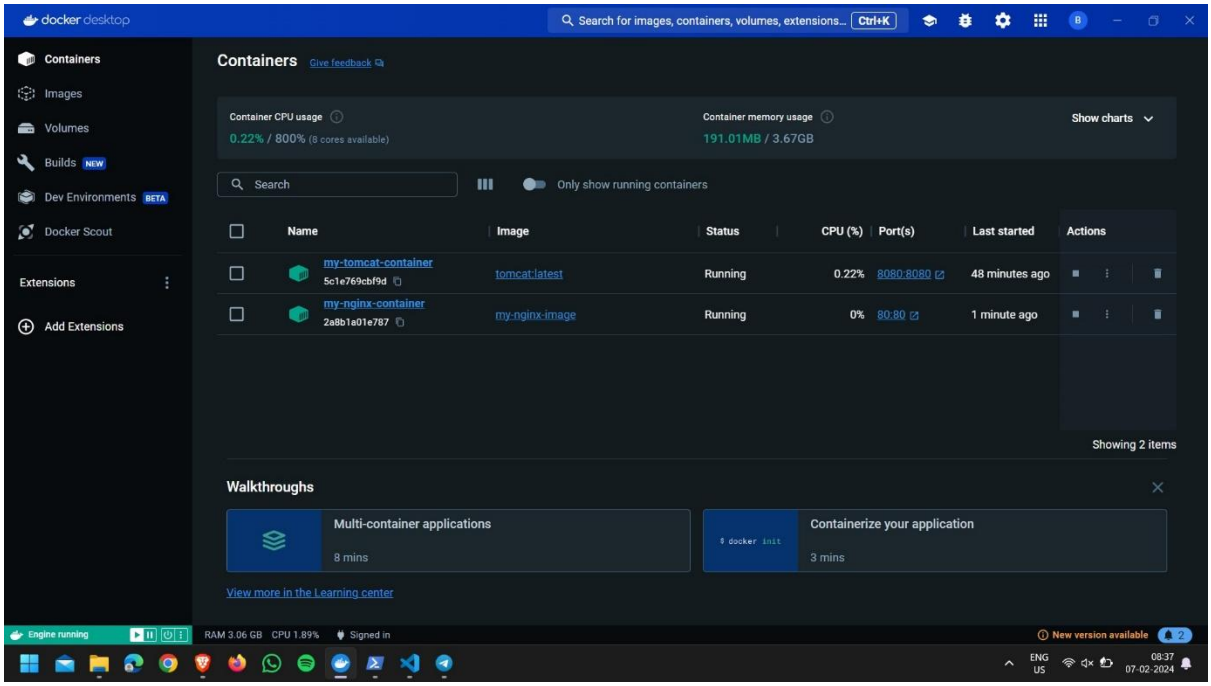
Lab – 5

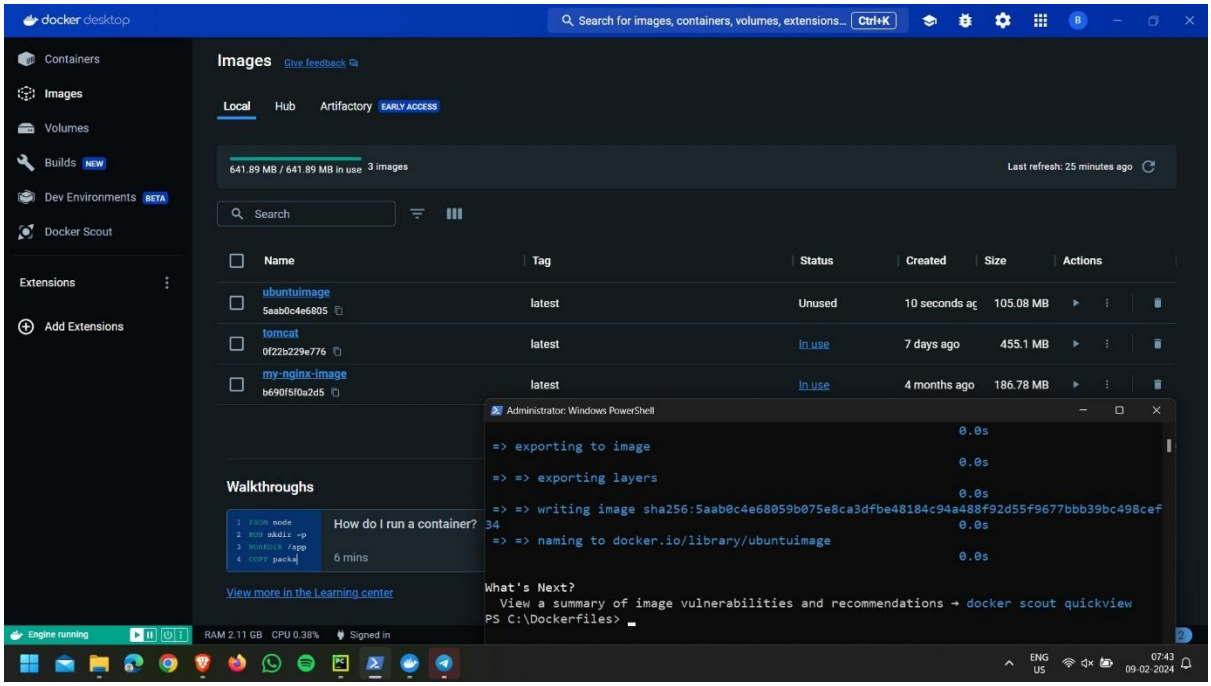
Push and Pull your own image with pre-installations to/from repository

Dockerfile




Administrator: Windows PowerShell
Mode LastWriteTime Length Name
-a---- 07-02-2024 08:32 0 Dockerfile
PS C:\Dockerfiles> cat Dockerfile
PS C:\Dockerfiles> cd Dockerfile
cd : Cannot find path 'C:\Dockerfiles\Dockerfile' because it does not exist.
At line:1 char:1
+ cd Dockerfile
+ ~~~~~~~~~~
+ CategoryInfo : ObjectNotFound: (C:\Dockerfiles\Dockerfile:String) [Set-Location], ItemNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.SetLocationCommand
PS C:\Dockerfiles> docker build -t my-nginx-image .
[+] Building 41.9s (6/6) FINISHED docker:default
=> [internal] load build definition from Dockerfile 0.1s
=> => transferring dockerfile: 56B 0.1s
=> [internal] load .dockerignore 0.1s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/nginx:latest 5.0s
=> [auth] library/nginx:pull token for registry-1.docker.io 0.0s
=> [1/1] FROM docker.io/library/nginx:latest@sha256:84c52dfd55c467e12ef85cad6a252c0990564f03c4850799bf41dd738738 36.5s
=> => resolve docker.io/library/nginx:latest@sha256:84c52dfd55c467e12ef85cad6a252c0990564f03c4850799bf41dd738738 0.0s
=> => sha256:84c52dfd55c467e12ef85cad6a252c0990564f03c4850799bf41dd738738691f 9.54kB / 9.54kB 0.0s
=> => sha256:d02f9b9db4d759ef27dc26b426b842ff2fb881c5c6079612d27ec36e36b132dd 2.24kB / 2.24kB 0.0s
=> => sha256:c57ee5000d61345aa3ee6684794a8110328e2274d9a5ae7855969d1a26394463 29.15MB / 29.15MB 26.4s
=> => sha256:f24a6f65277877f973f31f848b8024e614ffdade2547baa350fc802c87f86d77 627B / 627B 1.3s
=> => sha256:b69015f0a2d535cee5e0861aa500fef319c43bb91d5b1f7d77a1a05ce4021a8 7.02kB / 7.02kB 0.0s
=> => sha256:9b0163235c0874cc35a3090b84715be2a3b1a467a334396473683fb15c580833 41.38MB / 41.38MB 29.6s
=> => sha256:9f3589a5fc50dafb3da7513b58f8a1d8f235aeae6ba58367903 4ce6f94ade74f 955B / 955B 1.8s
=> => sha256:f0bd99a47d4a9c76baa21acd0117e2f32be31ba4ac981acc4666199fa144d4d0 365B / 365B 2.2s
=> => sha256:398157bc5c51a9e2e4ceb552c196bee781b157c9ef4760f76ed3ddd34164fe71 1.21kB / 1.21kB 2.7s
=> => sha256:1ef1c1a36ec24a6e2e803471dd61fd79a5a2866c553c4cccc26f2225d48b307 1.40kB / 1.40kB 3.1s
=> => extracting sha256:c57ee5000d61345aa3ee6684794a8110328e2274d9a5ae7855969d1a26394463 4.4s
=> => extracting sha256:9b0163235c0874cc35a3090b84715be2a3b1a467a334396473683fb15c580833 4.2s
=> => extracting sha256:f24a6f65277877f973f31f848b8024e614ffdade2547baa350fc802c87f86d77 0.0s
=> => extracting sha256:9f3589a5fc50dafb3da7513b58f8a1d8f235aeae6ba58367903 4ce6f94ade74f 0.0s
=> => extracting sha256:f0bd99a47d4a9c76baa21acd0117e2f32be31ba4ac981acc4666199fa144d4d0 0.0s
=> => extracting sha256:398157bc5c51a9e2e4ceb552c196bee781b157c9ef4760f76ed3ddd34164fe71 0.0s
=> => extracting sha256:1ef1c1a36ec24a6e2e803471dd61fd79a5a2866c553c4cccc26f2225d48b307 0.0s
=> exporting to image 0.0s
PS C:\Dockerfiles> docker run -d --name my-nginx-container -p 80:80 my-nginx-image
2a8b1a01e787f97a14602977bcd78c0fb919ea67da2769a088c560bc31515e3d
PS C:\Dockerfiles>
ENG US
08:37 07-02-2024


docker desktop
Search for images, containers, volumes, extensions... Ctrl+K
Containers
Images
Volumes
Builds NEW
Dev Environments BETA
Docker Scout
Extensions
Add Extensions
Containers Give feedback
Container CPU usage
0.22% / 800% (8 cores available)
Container memory usage
191.01MB / 3.67GB
Show charts
Search
Only show running containers
Name Image Status CPU (%) Port(s) Last started Actions
my-tomcat-container 5c1e769cbf9d tomcat:latest Running 0.22% 8080:8080 48 minutes ago
my-nginx-container 2a8b1a01e787 my-nginx-image Running 0% 80:80 1 minute ago
Showing 2 items
Walkthroughs
Multi-container applications
8 mins
$ docker init
Containerize your application
3 mins
View more in the Learning center
Engine running
RAM 3.06 GB CPU 1.89%
Signed in
New version available
ENG US
08:37 07-02-2024


docker desktop
Search for images, containers, volumes, extensions... Ctrl+K
Containers
Images
Volumes
Builds NEW
Dev Environments BETA
Docker Scout
Extensions
Add Extensions
Images
Give feedback
Local
Hub
Artifactory EARLY ACCESS
641.89 MB / 641.89 MB in use 3 images
Last refresh: 25 minutes ago
Search
Name
Tag
Status
Created
Size
Actions
ubuntuimage
5aab0c4e6805
latest
Unused
10 seconds ag
105.08 MB
tomcat
0f22b229e776
latest
In use
7 days ago
455.1 MB
my-nginx-image
b690f5f0a2d5
latest
In use
4 months ago
186.78 MB
Walkthroughs
How do I run a container?
6 mins
View more in the Learning center
Administrator: Windows PowerShell
0.0s
=> exporting to image
0.0s
=> => exporting layers
0.0s
=> => writing image sha256:5aab0c4e68059b075e8ca3dfbe48184c94a488f92d55f9677bbb39bc498cef34
0.0s
=> => naming to docker.io/library/ubuntuimage
0.0s
What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview
PS C:\Dockerfiles>
Engine running
RAM 2.11 GB CPU 0.38%
Signed in
ENG
US
07:43
09-02-2024