

Practical no: 6

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Batch-Roll no: C1-13

Subject: Introduction to Cloud Security Lab

Date of Execution: 23/03/2024

Aim: To deploy a static HTML website using Windows Docker.

1)Hello, world!

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\acer> cd Desktop
PS C:\Users\acer\Desktop> cd ICS
PS C:\Users\acer\Desktop\ICS> notepad index.html
PS C:\Users\acer\Desktop\ICS> New-Item Dockerfile

Directory: C:\Users\acer\Desktop\ICS

Mode                LastWriteTime         Length Name
----                -
-a-----         23-03-2024    11:09             0 Dockerfile

PS C:\Users\acer\Desktop\ICS> notepad Dockerfile
PS C:\Users\acer\Desktop\ICS> docker build -t my-apache2 .
[*] Building 313.1s (8/8) FINISHED

=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 88B
=> [internal] load metadata for docker.io/library/httpd:2.4
=> [auth] library/httpd:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 378B
=> [1/2] FROM docker.io/library/httpd:2.4@sha256:374766f5bc5977c9b72fdb8ae3ed05b7fc89060e7edc88fcbf142d6988e58eeb
=> => resolve docker.io/library/httpd:2.4@sha256:374766f5bc5977c9b72fdb8ae3ed05b7fc89060e7edc88fcbf142d6988e58eeb
=> => sha256:1a3d41a99f66b29d48caf1e57e9f5ed8d539ba12cafb9062488bee377f5c86ab 2.10kB / 2.10kB
=> => sha256:ac45b24b92cc0527c6af660679d0701f688a6d4214cf5cf9a147f20127d9685e 8.02kB / 8.02kB
=> => sha256:4f4fb709ef54461cfa02571ae0db9a0dc1e0c0b5577484a6d75e68dc38e8acc1 32B / 32B
=> => sha256:374766f5bc5977c9b72fdb8ae3ed05b7fc89060e7edc88fcbf142d6988e58eeb 9.74kB / 9.74kB
=> => sha256:8b0a7c8478f88543c0f8c785342abb736016bc8fc281049eaac1de7f897fc854 145B / 145B
=> => sha256:8a1e25ce7c4f75e372e9884f8f7b1bdcfe4b7a7d452eb4b8a1c7477c9a98a5 29.12MB / 29.12MB
=> => sha256:7f9fb0a042e92e8065725f2e4aedfc1c0e8e5e37d8e0704898daca73ed0499978 4.20MB / 4.20MB
=> => sha256:914b2f2b52ca9f6367a64b86e999a528c0cfac377d6377e2f96bbd4fa26 31.20MB / 31.20MB
=> => sha256:c78cd9f9617d1f5d6de9d728691c4d9d87ef7e0d1ae651034d76879a53e862 293B / 293B
=> => extracting sha256:8a1e25ce7c4f75e372e9884f8f7b1bdcfe4b7a7d452eb4b8a1c7477c9a98a5 0.9s
```

```
Windows PowerShell

PS C:\Users\acer\Desktop\ICS> notepad Dockerfile
PS C:\Users\acer\Desktop\ICS> docker build -t my-apache2 .
[*] Building 313.1s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 88B
=> [internal] load metadata for docker.io/library/httpd:2.4
=> [auth] library/httpd:pull token for registry-1.docker.io
=> [internal] load .dockerignore
=> => transferring context: 28
=> [internal] load build context
=> => transferring context: 378B
=> [1/2] FROM docker.io/library/httpd:2.4@sha256:374766f5bc5977c9b72fdb8ae3ed05b7fc89060e7edc88fcbf142d6988e58eeb
=> => resolve docker.io/library/httpd:2.4@sha256:374766f5bc5977c9b72fdb8ae3ed05b7fc89060e7edc88fcbf142d6988e58eeb
=> => sha256:1a3d41a99f66b29d48caf1e57e9f5ed8d539ba12cafb9062488bee377f5c86ab 2.10kB / 2.10kB
=> => sha256:ac45b24b92cc0527c6af660679d0701f680a6d4214cf5cf9a147f20127d9685e 8.02kB / 8.02kB
=> => sha256:4f4fb700ef54461cfaf02571ae0db9a0dc1e0cdb5577484a6d75e68dc38e8acc1 32B / 32B
=> => sha256:374766f5bc5977c9b72fdb8ae3ed05b7fc89060e7edc88fcbf142d6988e58eeb 9.74kB / 9.74kB
=> => sha256:8b0a7c8478f88543c0f8c785342abb736016bc8fc281049eaac1de7f897fc854 145B / 145B
=> => sha256:8a1e25ce7c4f75e372e9884f8f7b1bedcf64a7a7d452eb4b9a1c7477c9a90345 29.12MB / 29.12MB
=> => sha256:7f9fb0a042e02e8065725f2e4aedfc1c0e8c5e37d5e070408ddaca73ed049997b 4.20MB / 4.20MB
=> => sha256:91e4b2f2b52acaf9f63647ae64b86e999a528cbcfec377d6377e2f96bbdf5a26 31.20MB / 31.20MB
=> => sha256:c78cdbf9617d1f5d6de94d728691c4d9d87efd7e0d1ae651034d76879a53e862 293B / 293B
=> => extracting sha256:8a1e25ce7c4f75e372e9884f8f7b1bedcf64a7a7d452eb4b9a1c7477c9a90345
=> => extracting sha256:8b0a7c8478f88543c0f8c785342abb736016bc8fc281049eaac1de7f897fc854
=> => extracting sha256:4f4fb700ef54461cfaf02571ae0db9a0dc1e0cdb5577484a6d75e68dc38e8acc1
=> => extracting sha256:7f9fb0a042e02e8065725f2e4aedfc1c0e8c5e37d5e070408ddaca73ed049997b
=> => extracting sha256:91e4b2f2b52acaf9f63647ae64b86e999a528cbcfec377d6377e2f96bbdf5a26
=> => extracting sha256:c78cdbf9617d1f5d6de94d728691c4d9d87efd7e0d1ae651034d76879e53e862
=> [2/2] COPY . /usr/local/apache2/htdocs/
=> => exporting to image
=> => exporting layers
=> => writing image sha256:bc1d8216aaafa374e7667ac9234d4ad41f3e2a7eab747153eb8f1b3511d4cf81
=> => naming to docker.io/library/my-apache2

What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview
PS C:\Users\acer\Desktop\ICS> docker run -dit --name my-running-app -p 8080:80 my-apache2
cae1dd8ef6f41f78ea85ea90ebfd9be9cc86eb7751b50a3fe9f66c42d487838
PS C:\Users\acer\Desktop\ICS> |
```

