

SPRINT 4

OUTPUT SCREENSHOTS

The first screenshot shows the output of the command `docker build -t docker_ibm_cloud_image .` in a PowerShell terminal. The output displays the progress of building the Docker image, including the resolution of the Dockerfile, the transfer of the Dockerfile, the loading of build context, and the extraction of layers. The final output is `sha256:11ffed70d9597baaa99e2a3e5ba758b189d00b5c86b3e6c20aed64118863caf4`.

```
PS C:\Users\Seshathilak\Desktop\IBMCLouDFINAL> docker build -t docker_ibm_cloud_image .
[*] Building 262.9s (11/11) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 231B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/python:3.6
=> [internal] load build context
=> => transferring context: 1.27MB
=> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afa88c25f04d22354d547d892501067aad026a7fa9a6819df9f300af6fc
=> => resolve docker.io/library/python:3.6@sha256:f8652afa88c25f04d22354d547d892501067aad026a7fa9a6819df9f300af6fc
=> sha256:f8652afa88c25f04d22354d547d892501067aad026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB
=> sha256:d097a4907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b60d 2.22kB / 2.22kB
=> sha256:54260638d07c5e3ad24c6e21fc889abbc8486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB
=> sha256:0e29546d541cbbd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB
=> sha256:9b829c73b52b2b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB
=> sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB
=> sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB
=> sha256:619f74896d4a93f0172f594fab05e084e08410fe9d0112cfc7e4d3c78f7 196.51MB / 196.51MB
=> sha256:0e29546d541cbbd309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 5.65
=> sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62ada823124dc743 6.29MB / 6.29MB
=> sha256:9fddfd56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB
=> sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B
=> sha256:c4f42be2be53b900ebffc040c1df13de53843ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB
=> extracting sha256:9b829c73b52b2b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd
=> => extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56
=> => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793
=> => extracting sha256:619f74896d4a93f0172f594fab05e084e08410fe9d0112cfc7e4d3c78f7
=> => extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62ada823124dc743
=> => extracting sha256:9fddfd56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752
=> => extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7
=> => extracting sha256:c4f42be2be53b900ebffc040c1df13de53843ccc5f5d954a56848a6169a3a3f
=> [2/6] WORKDIR /app
=> [3/6] ADD . /app
=> [4/6] COPY requirements.txt /app
=> [5/6] RUN python3 -m pip install -r requirements.txt
=> [6/6] RUN python3 -m pip install ibm_db
=> exporting to image
=> => exporting layers
=> => writing image sha256:11ffed70d9597baaa99e2a3e5ba758b189d00b5c86b3e6c20aed64118863caf4
=> => naming to docker.io/library/docker_ibm_cloud_image
```

The second screenshot shows the output of the command `docker run -d -p 80:5000 docker_ibm_cloud_image` in a PowerShell terminal. The output displays the progress of running the Docker image, including the resolution of the Dockerfile, the transfer of the Dockerfile, the loading of build context, and the extraction of layers. The final output is `sha256:11ffed70d9597baaa99e2a3e5ba758b189d00b5c86b3e6c20aed64118863caf4`.

```
PS C:\Users\Seshathilak\Desktop\IBMCLouDFINAL> docker run -d -p 80:5000 docker_ibm_cloud_image
2a3a1da5905ef09dc8ca710be7132a1aba819090084f99094ea67323ef5a8e1
PS C:\Users\Seshathilak\Desktop\IBMCLouDFINAL>
```

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An image is a read-only template with instructions for creating a Docker container.

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REMOTE REPOSITORIES

1.07 GB / 1.12 GB in use

1 images

Last refresh: 4 minutes ago

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NAME	TAG	STATUS	CREATED	SIZE	ACTIONS
<div><div>docker_ibm_cloud_image</div><div>11ffe70d959</div></div>	latest	In use	6 minutes ago	1.08 GB	<div></div> <div></div> <div></div>

Showing 1 items

RAM 3.77GB

CPU 0.00%

Not connected to Hub

v4.14.1

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29°C Cloudy

12:44 PM

11/25/2022

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A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Only show running containers

Search

	NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>	<div>vibrant_lederberg</div> <div>9f3a87e0b026</div>	docker_IBM_cloud_image:latest	Running	80:5000	4 minutes ago	<div><div></div><div></div><div></div></div>

Showing 1 items

RAM 3.99GB

CPU 0.11%

Not connected to Hub

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30°C Cloudy

12:57 PM

11/25/2022

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vibrant_lederberg

docker_IBM_cloud_image

RUNNING

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Terminal

Stats

2022-11-25 12:52:57 * Serving Flask app 'app' (lazy loading)

2022-11-25 12:52:57 * Environment: production

2022-11-25 12:52:57 WARNING: This is a development server. Do not use it in a production deployment.

2022-11-25 12:52:57 Use a production WSGI server instead.

2022-11-25 12:52:57 * Debug mode: off

2022-11-25 12:52:57 * Running on all addresses.

2022-11-25 12:52:57 WARNING: This is a development server. Do not use it in a production deployment.

2022-11-25 12:52:57 * Running on http://172.17.0.3:50075/ (Press CTRL+C to quit)

Search

RAM 3.99GB

CPU 0.11%

Not connected to Hub

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Stationary traffic on S...

12:53 PM

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