

← → ⌂ https://console.cloud.google.com/kubernetes/list/overview?project=cs571-384322

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Google Cloud CS571 Search (/) for resources, docs, products and more Q Search 2 ⓘ N LEARN Tutorial

CLOUD SHELL Terminal (cs571-384322) Open editor ⌂ ⓘ X

```

<-> >> transferring context: 2B
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount2027400876/Dockerfile: no such file or directory
nidhpate1@cloudshell: ~(cs571-384322)$ docker build -t city-weather1 .
[+] Building 36.2s (10/10) FINISHED
--> [internal] load .dockerignore
--> [internal] load build definition from Dockerfile
--> [internal] transfer Dockerfile
--> [internal] load metadata for docker.io/library/python:3.11
[1/1] FROM docker.io/library/python:3.11@sha256:f7382f4f9d8e51183c72d621b9c196c1365f713a1fe40c119d215c961fa22815
--> resolve docker.io/library/python:3.11@sha256:f7382f4f9d8e51183c72d621b9c196c1365f713a1fe40c119d215c961fa22815
--> sha256:9da6f420343d49052e59e9229be8a433aa47b32d4ab547748se796d756b198 2.14kB / 2.14kB
--> sha256:b0248c3e63c73de0496a7807d056ca41d5e968b61087e8ea2cf4b9b4d7b99 55.05MB / 55.05MB
--> sha256:03363605c9fc6379c70ba81086238e37057e34b14ce43b28d1fb050bd84ba 10.88MB / 10.88MB
--> sha256:4665a9951a379c70ba81086238e37057e34b14ce43b28d1fb050bd84ba 7.90kB / 7.90kB
--> sha256:127e9f94da784e08840a21165f0d4f25119c4a225349f581e63955b 5.17MB / 5.17MB
--> sha256:2237a417fbba3c2305c1f72d6cc287776f1a498717693936265 20.00MB / 20.00MB
--> sha256:58568d3aa00237aa417fbba3c2305c1f72d6cc287776f1a498717693936265 1.29MB / 1.29MB
--> sha256:8a22f29afe3e63cd399203a41351533fb117afa72400337d5a2b91cefb198ff8 3.08MB / 3.08MB
--> sha256:127e9f94da784e08840a21165f0d4f25119c4a225349f581e63955b 0.48kB / 0.48kB
--> sha256:03363605c9fc6379c70ba81086238e37057e34b14ce43b28d1fb050bd84ba 0.58kB / 0.58kB
--> extracting sha256:2d62772179761f8fdffad02ed2bd70789b103b133d18d79c9b49364830d56cf 10.39MB / 10.39MB
--> extracting sha256:273fcd609d894159ae396f62319c33f7b02266fbf6bd9c4950771f1a0a83 0.58kB / 0.58kB
--> extracting sha256:58568d3aa00237aa417fbba3c2305c1f72d6cc287776f1a498717693936265 1.19MB / 1.19MB
--> extracting sha256:56fc09f5b4fe0f597leaa4f8ccfafad8d7c7c136cd6ad242d44b18f7257b0ea400 0.08kB / 0.08kB
--> extracting sha256:8a22f29afe3e63cd399203a41351533fb117afa72400337d5a2b91cefb198ff8 0.48kB / 0.48kB
--> extracting sha256:127e9f94da784e08840a21165f0d4f25119c4a225349f581e63955b 0.18kB / 0.18kB
--> extracting sha256:c3dfa88b623d304c57aa260befc3549087e37c5ec1cdbe6016931b667e0a8406 0.08kB / 0.08kB
nidhpate1@cloudshell: ~(cs571-384322)$

```

Get started with GKE

Overview of GKE clusters Help document Choose the types of GKE clusters based on your desired level of control, availability type, mode of operation etc.

Quickstart Tutorial Create an Autopilot cluster, which automatically manages nodes, node pools, and other cluster infrastructure.

Use cases for GKE Help document Explore use cases, best practices, and industry solutions.

Cluster architecture Help document Understand the GKE cluster architecture, including cluster masters, nodes, and node-allocatable resources.

Architecture guides for application development Help document Discover best practices and reference architectures for application development.

Create a zonal cluster

Google Cloud CS571 Search (/) for resources, docs, products and more Q Search 2 ⓘ

CLOUD SHELL Editor

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS CITY-WEATHER.py Dockerfile

```

1 # Dockerfile for zip code to weather server
2 FROM python:3.11
3 WORKDIR /app
4 COPY .
5 RUN pip install Flask
6 RUN pip install requests
7 EXPOSE 5000
8 CMD ["python", "City-Weather.py"]

```

https://hub.docker.com/repository/docker/nidhipatel44/cityweather/general

The screenshot shows the Docker Hub repository page for 'nidhipatel44/cityweather'. At the top, there are tabs for General, Tags, Builds, Collaborators, Webhooks, and Settings. The General tab is selected. A callout box in the top-left corner says 'Add a short description for this repository' with an 'Update' button. Below this, the repository name 'nidhipatel44 / cityweather' is displayed, along with a 'Description' section stating 'This repository does not have a description' and a 'Last pushed: a minute ago' message. To the right, there's a 'Docker commands' section with a box containing 'docker push nidhipatel44/cityweather:tagname' and a 'Public View' button. In the bottom-left, there's a 'Tags' section showing one tag: 'cityweather' (Image type, pushed a minute ago). In the bottom-right, there's an 'Automated Builds' section with a 'See all' link and a 'Go to Advanced Image Management' link.

Google Cloud

The screenshot shows a Google Cloud Shell terminal window titled '(cs571-384322)'. The terminal output shows a failed Docker build attempt:

```

807e5e673844: Mounted from library/python
crd0811d364e: Mounted from library/python
b86f260e173a: Mounted from library/python
6a1eb99b8bc: Mounted from library/python
24b48387f467: Mounted from library/python
a55cc0c54050: Mounted from library/python
cityweather: digest: sha256:258009fe14223a90ffbe2ced35ed60ae583612acad21b9bdca08aaff4af7b4aa size: 3056
nidhipatel@cloudshell:~/(cs571-384322)$ docker build -t zip-weather .
[*] Building 0.0s (2/2) FINISHED
--> [internal] load build context: 0B
--> [internal] transfer context: 2B
--> [internal] load build definition from Dockerfile
--> [internal] transfer Dockerfile: 2B
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount3272751561/Dockerfile: no such file or directory
nidhipatel@cloudshell:~/(cs571-384322)$ docker build -t zip-weather .
[*] Building 0.0s (2/2) FINISHED
--> [internal] load build definition from Dockerfile
--> [internal] transfer Dockerfile: 2B
--> [internal] load .dockerrcignore
--> [internal] transfer context: 2B
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount1343552559/Dockerfile: no such file or directory
nidhipatel@cloudshell:~/(cs571-384322)$ cd zipweather
nidhipatel@cloudshell:~/zipweather (cs571-384322)$ ls
Dockerfile zipweather.py
nidhipatel@cloudshell:~/zipweather (cs571-384322)$ docker build -t zip-weather .
[*] Building 7.1s (10/10) FINISHED
--> [internal] load build definition from Dockerfile
--> [internal] transfer Dockerfile: 184B
--> [internal] load .dockerrcignore
--> [internal] transfer context: 2B
--> [internal] load metadata for docker.io/library/python:3.11
--> [auth] library/python:pull token for registry-1.docker.io
--> [1/4] FROM docker.io/library/python:3.11@sha256:f7382f4f9dbc51183c72d621b9c196c1565f713a1fe40c119d215c961fa22815
--> [internal] load build context
--> [internal] transfer context: 736B
--> [internal] WORKDIR /app
--> [3/4] COPY .
--> [4/4] RUN pip install Flask
--> exporting to image
--> exporting layers
--> writing image sha256:218dd1586524b9d2b7319f0345f674f315874b9f794609829d0542f31f416eed
--> naming to docker.io/library/zip-weather
nidhpzpatel@cloudshell:~/zipweather (cs571-384322)$

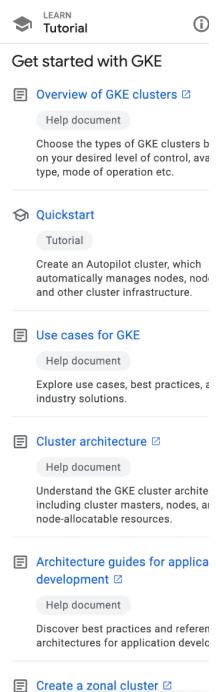
```

To the right of the terminal, there's a sidebar titled 'Get started with GKE' containing links for Overview of GKE cluster, Quickstart, Use cases for GKE, Cluster architecture, and Architecture guides for development. There's also a 'Create a zonal cluster' button.

```
Google Cloud CS571 Search (/) for resources, docs, products and more 2 ? N

CLOUD SHELL Terminal (cs571-384322) x + Open editor

>> [internal] load build definition from Dockerfile
>> => transferring dockerfile: 2B
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount3272751561/Dockerfile: no such file or directory
nichzpatel@cloudshell:~ (cs571-384322)$ docker build -t zip-weather .
[*] Building 0.0s (2/2) FINISHED
[*]  [internal] load build definition from Dockerfile
[*]  => transferring dockerfile: 2B
[*]  [internal] load dockerignore
[*]  => transferring context: 2B
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount1343552559/Dockerfile: no such file or directory
nichzpatel@cloudshell:~ (cs571-384322)$ cd zipweather
nichzpatel@cloudshell:~/zipweather (cs571-384322) ls
Dockerfile zipweather.py
nichzpatel@cloudshell:~/zipweather (cs571-384322)$ docker build -t zip-weather .
[*] Building 7.1s (10/10) FINISHED
[*]  [internal] load build definition from Dockerfile
[*]  => transferring dockerfile: 184B
[*]  [internal] load .dockerignore
[*]  => transferring context: 2B
[*]  [internal] load metadata for docker.io/library/python:3.11
[*]  [auth] library/python:3.11 sha256:f7382f4f9dbc51183c72d621b9c196c1565f713alfe40c119d215c961fa22815
[*]  [internal] load build context
[*]  => transferring context: 736B
[*]  CACHED (2/4) WORKDIR /app
[*]  [3/4] COPY .
[*]  => [4/4] RUN pip install Flask
[*]  exporting to image
[*]  => exporting layers
[*]  => writing image sha256:2189d1586524b9d2b7319f0345f674f315874b9f794609829d0542f31f41eed
[*]  => naming to docker.io/library/zip-weather
nichzpatel@cloudshell:~/zipweather (cs571-384322)$ docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
nichzpatel@cloudshell:~/zipweather (cs571-384322)$ docker run --name zip-weather-container -p 5001:5001 zip-weather
* Serving Flask app 'zip-weather'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5001
* Running on http://172.18.0.2:5001
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 264-774-438
```



The screenshot shows the Cloud Shell Editor interface. On the left, the Explorer sidebar displays project files: NIDHZPATEL, cityweather (containing City-Weather.py, Dockerfile, README-cloudshell.txt, and weather.html), and zipweather (containing Dockerfile and zipweather.py). The main workspace shows the code for City-Weather.py:

```
City-Weather.py
import requests
from flask import Flask, request
app = Flask(__name__)
# Hardcodes city to zip code mapping
zip_code_data = {
    "New York": "10001",
    "Los Angeles": "90001",
    "Chicago": "60601",
    "Milpitas": "95035"
}
```

Below the code editor, the terminal window shows the build and run process for the Flask application:

```
--> extracting sha256:56fc9fb54f6e0f9971ead4f8cfafad8d7c136cd6ad24d244b18f7257b0ea400
--> extracting sha256:8a22293afee363cd399203a41351533fb117afa72400337da52b91ce5fb198ff8
--> [internal] load build context
--> transferring context: 2.66kB
--> [2/5] WORKDIR /app
--> [3/5] COPY .
--> [4/5] RUN pip install Flask
--> [5/5] RUN pip install requests
--> exporting to image
--> exporting layers
--> writing image sha256:34f94299e95fc0bea83eceec1b4dc84aca0a274b0ab69a8351a5df91803e6edf
--> naming to docker.io/library/city-weather
nidhzpatel@cloudshell:~/cityweather (cs571-384322)$ docker run --name city-weather-container -p 5000:5000 city-weather
 * Serving Flask app 'City-Weather'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.18.0.2:5000
Press CTRL+C to quit
  Restarting with stat
  Debugger is active!
  Debugger PIN: 962-934-716
^Chidhspatel@cloudshell:~/cityweather (cs571-384322)$
```

The screenshot shows the Cloud Shell Editor interface. On the left is the Explorer sidebar with a tree view of files and folders. The main area contains a code editor with Python and Dockerfile snippets, and a terminal window showing the execution of a Docker command. The status bar at the bottom provides build information and system details.

File Edit Selection View Go Run Terminal Help

EXPLORER

> OPEN EDITORS

NIDHZPATEL

cityweather

- City-Weather.py
- Dockerfile
- README-cloudshell.txt
- weather.html

zipweather

- Dockerfile
- zipweather.py

City-Weather.py x zipweather.py Dockerfile .../zipweather weather.html Dockerfile .../cityweather

```
cityweather > City-Weather.py > ...
1 import requests
2 from flask import Flask, request
3
4 app = Flask(__name__)
5
6 # Hardcoded city to zip code mapping
7 zip_code_data = {
8     "New York": "10001",
9     "Los Angeles": "90001",
10    "Chicago": "60601",
11    "Milpitas": "95035"
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Cloud Shell Editor

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS

NIDHZPATEL cityweather

- City-Weather.py
- Dockerfile
- README-cloudshell.txt
- weather.html

zipweather

- Dockerfile
- zipweather.py

City-Weather.py x zipweather.py Dockerfile .../zipweather weather.html Dockerfile .../cityweather

```

1 import requests
2 from flask import Flask, request
3
4 app = Flask(__name__)
5
6 # Hardcoded city to zip code mapping
7 zip_code_data = {
8     "New York": "10001",
9     "Los Angeles": "90001",
10    "Chicago": "60601",
11    "Milpitas": "95035"

```

Ln 28, Col 56 LF UTF-8 Spaces: 4 Python

(cs571-384322) x +

```

* Running on http://172.18.0.2:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 962-934-716
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$ docker tag city-weather nidhzpate144/citytoweather:cityweather
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$ docker tag city-weather nidhzpate144/cityweather:cityweather
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$ docker push nidhzpate144/cityweather:cityweather
The push refers to the repository [docker.io/nidhzpate144/cityweather]
38d2cf79a58d: Pushed
4b99f3a5a58d: Pushed
02e5325743b8: Pushed
51a1d5f6df1fa: Pushed
1b38857d7bd5: Layer already exists
c63832a549a2: Layer already exists
67968e338686: Layer already exists
807e5e673844: Layer already exists
cf0d811d364e: Layer already exists
b86f260e173a: Layer already exists
falebb98f0dc: Layer already exists
24b48387f467: Layer already exists
ae56c054059b: Layer already exists
cityweather: digest: sha256:1676b6c9fb86a509b2514973253a5bd001ee484713a0980e58e66023058afe0 size: 3054
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$

```

Cloud Shell Editor

File Edit Selection View Go Run Terminal Help

EXPLORER OPEN EDITORS

NIDHZPATEL cityweather

- City-Weather.py
- Dockerfile
- README-cloudshell.txt
- weather.html

zipweather

- Dockerfile
- zipweather.py

City-Weather.py x zipweather.py Dockerfile .../zipweather weather.html Dockerfile .../cityweather

```

1 import requests
2 from flask import Flask, request
3
4 app = Flask(__name__)
5
6 # Hardcoded city to zip code mapping
7 zip_code_data = {
8     "New York": "10001",
9     "Los Angeles": "90001",
10    "Chicago": "60601",
11    "Milpitas": "95035"

```

Ln 28, Col 56 LF UTF-8 Spaces: 4 Python

(cs571-384322) x +

```

docker: Error response from daemon: Conflict. The container name "/city-weather-container" is already in use by container "25befda8f3dc726ef6164a61d06fea637b6e4776e16408c83850fe4
4be35c8". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$ docker rm
"docker rm" requires at least 1 argument.
See 'docker rm --help'.

Usage: docker rm [OPTIONS] CONTAINER [CONTAINER...]

Remove one or more containers
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$ docker rm city-weather-container
nidhzpate1@cloudshell:~/cityweather (cs571-384322)$ docker run --name my-city-weather-container -p 5000:5000 city-weather
* Serving Flask app "City-Weather"
* Debug mode on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://172.18.0.3:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 636-107-454

```

The screenshot shows the Cloud Shell Editor interface. The top navigation bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has sections for EXPLORER, OPEN EDITORS, and NIDHIZPATEL, which contains a folder named cityweather containing files like City-Weather.py, Dockerfile, README-cloudshell.txt, weather.html, zipweather, Dockerfile, and zipweather.py. The main area shows a code editor with City-Weather.py and zipweather.py open, both displaying code related to Flask and requests. Below the code editor is a terminal window with the following logs:

```
Welcome to Cloud Shell! Type "help" to get started.  
Your Cloud Platform project in this session is set to cs571-384322.  
Use "gcloud config set project [PROJECT_ID]" to change to a different project.  
nidhizpatel@cloudshell:~ (cs571-384322)$ docker container ls  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES  
341835c88e00 city-weather "python City-Weather..." 2 minutes ago Up 2 minutes 0.0.0.0:5001->5000/tcp my-city-weather-container  
c36709e25420 docker/getting-started "/docker-entrypoint..." 19 minutes ago Up 19 minutes 0.0.0.0:80->80/tcp magical_brown  
nidhizpatel@cloudshell:~ (cs571-384322)$ docker container ls  
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES  
37896dfeae00 zip-weather "python zipweather.py" 12 seconds ago Up 12 seconds 0.0.0.0:5001->5001/tcp zip-weather-container  
341835c88e00 city-weather "python City-Weather..." 4 minutes ago Up 4 minutes 0.0.0.0:5000->5000/tcp my-city-weather-container  
c36709e25420 docker/getting-started "/docker-entrypoint..." 21 minutes ago Up 21 minutes 0.0.0.0:80->80/tcp magical_brown  
nidhizpatel@cloudshell:~ (cs571-384322)$
```



Hello, Welcome to weather service!

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to cs571-384322.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
nidhxpatel@cloudshell:~ (cs571-384322)$ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
341835c8e00 city-weather "python City-Weather..." 2 minutes ago Up 2 minutes 0.0.0.0:5000->5000/tcp my-city-weather-container
c36709e25420 docker/getting-started "/docker-entrypoint..." 19 minutes ago Up 19 minutes 0.0.0.0:80->80/tcp magical_brown
nidhxpatel@cloudshell:~ (cs571-384322)$ docker container ls
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
37896dfeafe0 zip-weather "python zipweather.py" 12 seconds ago Up 12 seconds 0.0.0.0:5001->5001/tcp, 8000/tcp zip-weather-container
341835c8e00 city-weather "python City-Weather..." 4 minutes ago Up 4 minutes 0.0.0.0:5000->5000/tcp my-city-weather-container
c36709e25420 docker/getting-started "/docker-entrypoint..." 21 minutes ago Up 21 minutes 0.0.0.0:80->80/tcp magical_brown
nidhxpatel@cloudshell:~ (cs571-384322)$ docker network create city-weather-network
379d387df49a fe6319059e25f1c12dedae1698ba0ac5b9e16ca8273d5b332e4
nidhxpatel@cloudshell:~ (cs571-384322)$ docker network ls
NETWORK ID NAME DRIVER SCOPE
a0f5623073fa bridge bridge local
379d387df49a city-weather-network bridge local
acc0ca49c6c host host local
a0242edec504 none null local
nidhxpatel@cloudshell:~ (cs571-384322)$
```

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379d387df49afe63190959e25f1c12edae1698b0a6c5b9e16ca8273db5e332e4
nidhzpatel@cloudshell:~ (cs571-384322)$ docker network ls
NETWORK ID      NAME          DRIVER      SCOPE
a0f5623073fa    bridge        bridge      local
379d387df49a    city-weather-network   bridge      local
acccafaf49c6c   host          host       local
a0242ede5c04   none          null       local
nidhzpatel@cloudshell:~ (cs571-384322)$ docker network inspect city-weather-network
[{"Name": "city-weather-network",
 "Id": "379d387df49afe63190959e25f1c12edae1698b0a6c5b9e16ca8273db5e332e4",
 "Created": "2023-04-21T05:30:28.985041667Z",
 "Scope": "local",
 "Driver": "bridge",
 "EnableIPv6": false,
 "IPAM": {
     "Driver": "default",
     "Options": {},
     "Config": [
         {
             "Subnet": "172.19.0.0/16",
             "Gateway": "172.19.0.1"
         }
     ],
     "Internal": false,
     "Attachable": false,
     "Ingress": false,
     "ConfigFrom": {
         "Network": ""
     },
     "ConfigOnly": false,
     "Containers": {},
     "Options": {},
     "Labels": {}
 },
 "Containers": [],
 "Options": {},
 "Labels": {}
}]
nidhzpatel@cloudshell:~ (cs571-384322)$

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"EnableIPv6": false,
"IPAM": {
    "Driver": "default",
    "Options": {},
    "Config": [
        {
            "Subnet": "172.19.0.0/16",
            "Gateway": "172.19.0.1"
        }
    ],
    "Internal": false,
    "Attachable": false,
    "Ingress": false,
    "ConfigFrom": {
        "Network": ""
    },
    "ConfigOnly": false,
    "Containers": {},
    "Options": {},
    "Labels": {}
},
nidhzpatel@cloudshell:~ (cs571-384322)$ docker network connect city-weather-network city-weather-container
Error response from daemon: No such container: city-weather-container
nidhzpatel@cloudshell:~ (cs571-384322)$ docker network ls
NETWORK ID      NAME          DRIVER      SCOPE
a0f5623073fa    bridge        bridge      local
379d387df49a    city-weather-network   bridge      local
acccafaf49c6c   host          host       local
a0242ede5c04   none          null       local
nidhzpatel@cloudshell:~ (cs571-384322)$ docker container ls
CONTAINER ID IMAGE          COMMAND      CREATED      STATUS      PORTS      NAMES
37896dfeae00  zip-weather   "python zipweather.py" 11 minutes ago Up 11 minutes  0.0.0.0:5001->5001/tcp, 8000/tcp  zip-weather-container
341835c88e00  city-weather   "python City-Weather..." 15 minutes ago Up 15 minutes  0.0.0.0:5000->5000/tcp  my-city-weather-container
c36709e25420  docker/getting-started  "/docker-entrypoint..." 32 minutes ago Up 32 minutes  0.0.0.0:80->80/tcp  magical_brown
nidhzpatel@cloudshell:~ (cs571-384322)$ docker network connect city-weather-network my-city-weather-container
nidhzpatel@cloudshell:~ (cs571-384322)$ docker network connect city-weather-network zip-weather-container
nidhzpatel@cloudshell:~ (cs571-384322)$

```

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nidhzpatel@cloudshell:~ (cs571-384322)$ docker network inspect city-weather-network
[{"Name": "city-weather-network",
 "Id": "379d387df49afe63190959e25f1c12edae1698b0a6c5b9e16ca8273db5e332e4",
 "Created": "2023-04-21T05:30:28.985041667Z",
 "Scope": "local",
 "Driver": "bridge",
 "EnableIPv6": false,
 "IPAM": {
     "Driver": "default",
     "Options": {},
     "Config": [
         {
             "Subnet": "172.19.0.0/16",
             "Gateway": "172.19.0.1"
         }
     ]
 },
 "Internal": false,
 "Attachable": false,
 "Ingress": false,
 "ConfigFrom": {
     "Network": ""
 },
 "ConfigOnly": false,
 "Containers": {
     "341835c88e00f9fe13b4e4d3319a457b5ca55d56579532531a295319e8d19892": {
         "Name": "my-city-weather-container",
         "EndpointID": "7ad76a3be47224831bb29e9f7a99e471c0f6064262dcf33e62f9819997999710",
         "MacAddress": "02:42:ac:13:00:02",
         "IPv4Address": "172.19.0.2/16",
         "IPv6Address": ""
     },
     "37896dfeae0e96e157442efab3cc2f50836681b542c1d7e5f8f8841ae41a18d2": {
         "Name": "zip-weather-container",
         "EndpointID": "5d3fe2c08f4eefeccde6d5e25fb6060b8c05ab7ec4926e2f20e23646b12ed73c",
         "MacAddress": "02:42:ac:13:00:03",
         "IPv4Address": "172.19.0.3/16",
         "IPv6Address": ""
     }
 },
 "Options": {},
 "Labels": {}
}
```