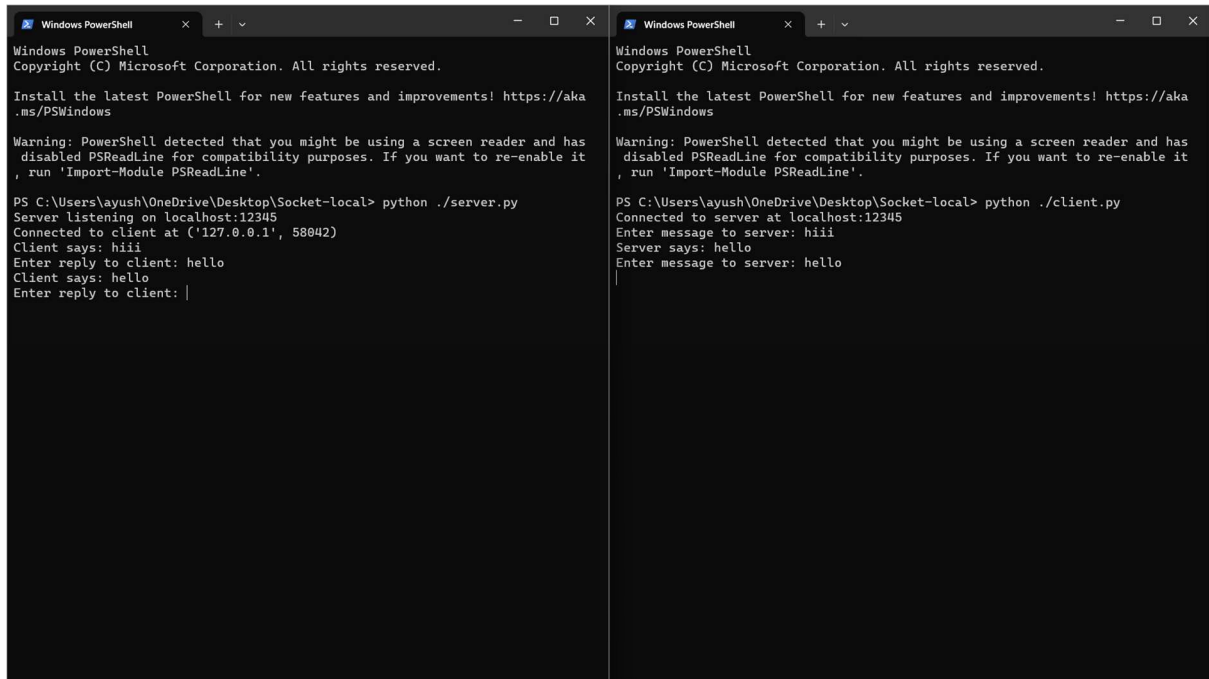# Python-Local


```
Windows PowerShell
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.ms/PSWindows

Warning: PowerShell detected that you might be using a screen reader and has
 disabled PSReadLine for compatibility purposes. If you want to re-enable it
, run 'Import-Module PSReadLine'.

PS C:\Users\ayush\OneDrive\Desktop\Socket-local> python ./server.py
Server listening on localhost:12345
Connected to client at ('127.0.0.1', 58042)
Client says: hiii
Enter reply to client: hello
Client says: hello
Enter reply to client: |
```

```
Windows PowerShell
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Warning: PowerShell detected that you might be using a screen reader and has
 disabled PSReadLine for compatibility purposes. If you want to re-enable it
, run 'Import-Module PSReadLine'.

PS C:\Users\ayush\OneDrive\Desktop\Socket-local> python ./client.py
Connected to server at localhost:12345
Enter message to server: hiii
Server says: hello
Enter message to server: hello
```

Python-Docker

Docker Desktop

[CLIENT] Connected to server at server:12345
[YOU] Enter message: hiii
hii
[SERVER] hiiii
[YOU] Enter message: [SERVER] hello
[YOU] Enter message: ^CTraceback (most recent call last):
File "/app/client.py", line 11, in <module>
message = input("[YOU] Enter message: ")
KeyboardInterrupt

[SERVER] Listening on 0.0.0.0:12345...
[SERVER] Connected to client at ('172.18.0.3', 56920)
[CLIENT] hiii
[YOU] Enter response: hiiii
[CLIENT] hii
[YOU] Enter response: hello

q
^CTraceback (most recent call last):
File "/app/server.py", line 15, in <module>
data = client_socket.recv(1024).decode()
KeyboardInterrupt

C-Docker

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Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS C:\Users\ayush\OneDrive\Desktop\local> docker-compose build
time="2025-04-10T12:50:44+05:30" level=warning msg="C:\\Users\\ayush\\OneDrive\\Desktop\\local\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
Compose can now delegate builds to bake for better performance.
To do so, set COMPOSE_BAKE=true.
[+] building 18.4s (22/22) FINISHED
docker:desktop-linux
=> [server internal] load build definition from Dockerfile
0.0s
=> => transferring dockerfile: 291B
0.0s
=> [client internal] load metadata for docker.io/library/gcc:latest
3.6s
=> [server auth] library/gcc:pull token for registry-1.docker.io
0.0s
=> [server internal] load .dockerignore
0.0s
=> => transferring context: 2B
0.0s
=> [client 1/6] FROM docker.io/library/gcc:latest@sha256:95f598eea2b230fae0bca018c9e31ac1f9dc0599e5e86f2c70671f14449fdcb1
9.5s
=> => resolve docker.io/library/gcc:latest@sha256:95f598eea2b230fae0bca018c9e31ac1f9dc0599e5e86f2c70671f14449fdcb1
0.0s
=> => sha256:ea589c0b318a035eaaa44320f7f64cbb47ec482575de63c1b3ad00642ab59c4b4 1.78kB / 1.78kB
0.5s
=> => sha256:8b77cd7514d65ebffdfc56971b896c1e9f0067d45e9ffcfc96a76802cbd596d6 9.61kB / 9.61kB
0.6s
=> => sha256:e4dd9c002dd2bb0fbb6de1f18a350e5c0aeaabcc16e0fa702c1aba0c09c9936cd 157.73MB / 157.73MB
1.8s
=> => sha256:a0fcfad35b187f556943baa420d7e6b09c6a79788921825df88a820773ec0ecb 2.81MB / 2.81MB
0.1s
=> => extracting sha256:a0fcfad35b187f556943baa420d7e6b09c6a79788921825df88a820773ec0ecb
0.1s
=> => extracting sha256:e4dd9c002dd2bb0fbb6de1f18a350e5c0aeaabcc16e0fa702c1aba0c09c9936cd
3.1s
=> => extracting sha256:8b77cd7514d65ebffdfc56971b896c1e9f0067d45e9ffcfc96a76802cbd596d6
0.0s
=> => extracting sha256:ea589c0b318a035eaaa44320f7f64cbb47ec482575de63c1b3ad00642ab59c4b4
0.0s
=> [server internal] load build context
0.1s
=> => transferring context: 2.93kB
0.0s
=> CACHED [client 2/6] WORKDIR /app
0.2s
=> [server 3/6] COPY server.c .
0.1s
=> [server 4/6] COPY client.c .
0.1s
=> [server 5/6] RUN gcc -o server server.c
0.9s
=> [server 6/6] RUN gcc -o client client.c
0.6s
=> [server] exporting to image
0.6s
=> => exporting layers
0.3s
=> => exporting manifest sha256:0bbfec0945ec527e036f8429fcce1161fdfa157ae41fff332288a24f192d9b51
0.0s

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Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.
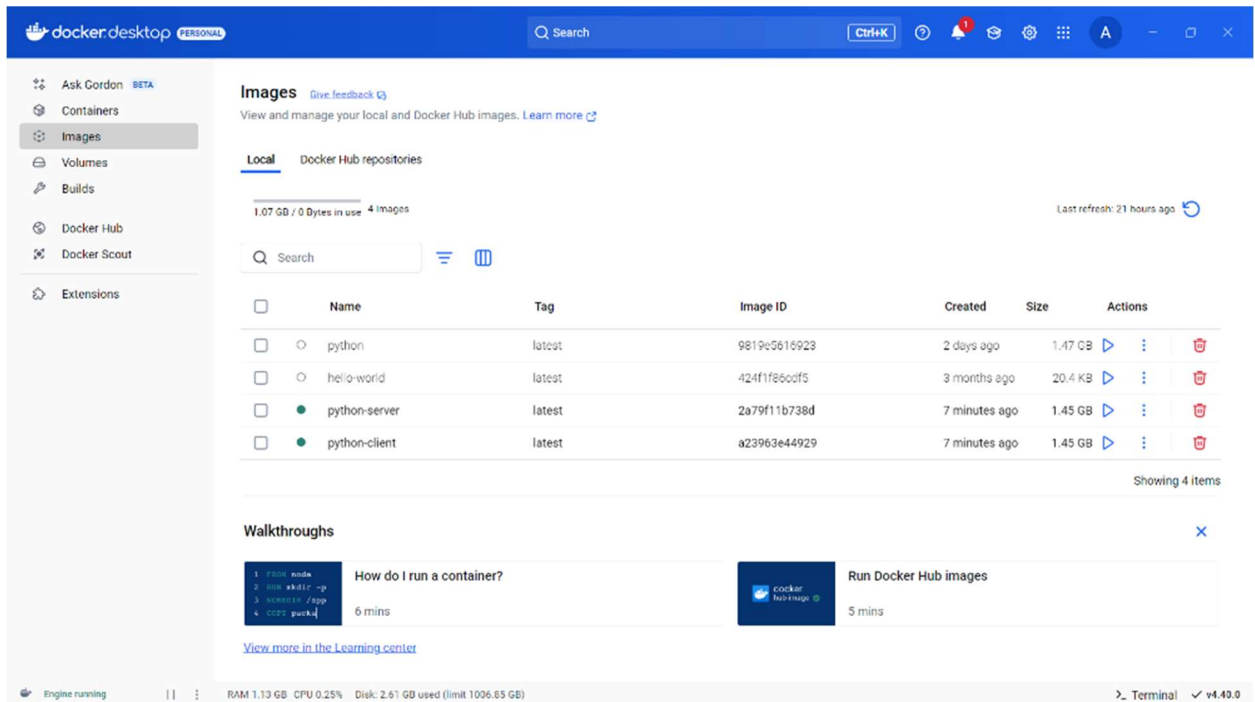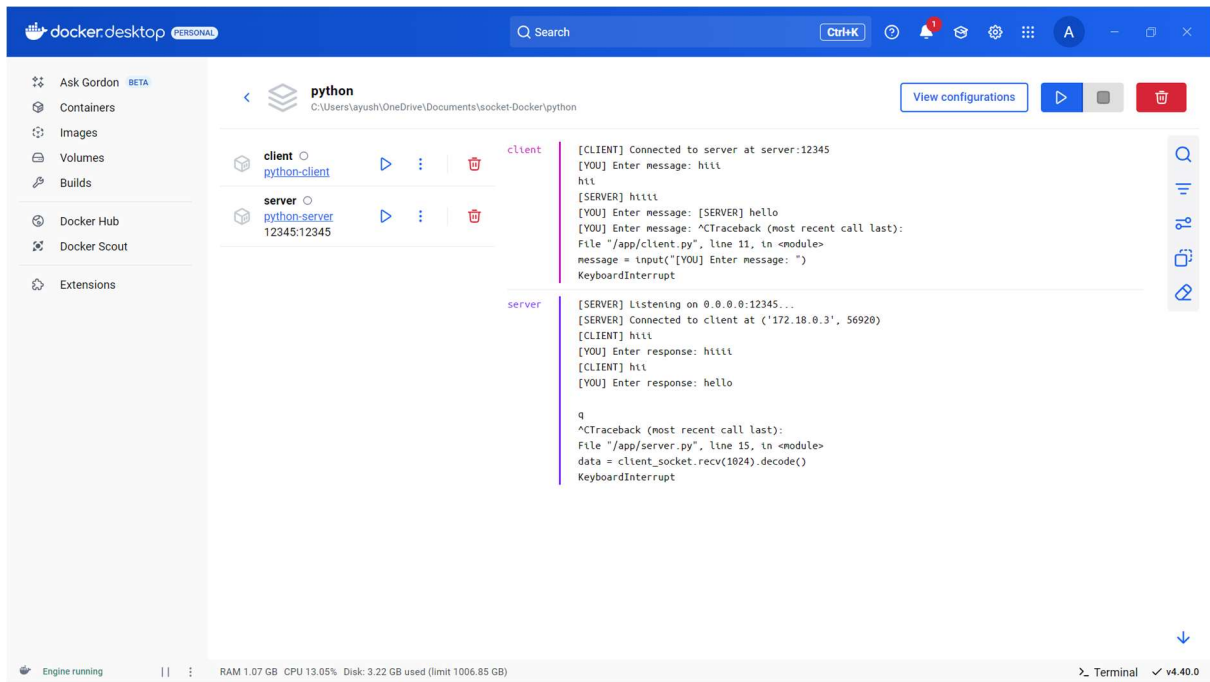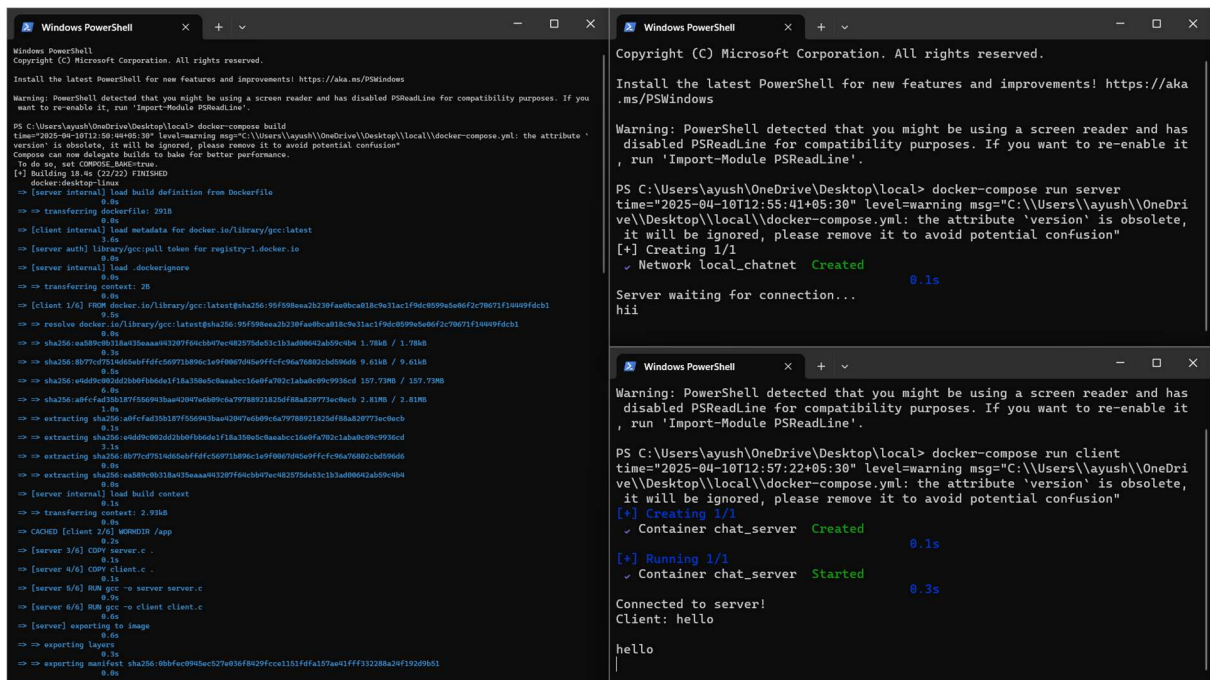
PS C:\Users\ayush\OneDrive\Desktop\local> docker-compose run server
time="2025-04-10T12:55:41+05:30" level=warning msg="C:\\Users\\ayush\\OneDrive\\Desktop\\local\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Creating 1/1
✓ Network local_chatnet   Created
0.1s

Server waiting for connection...
hii

Warning: PowerShell detected that you might be using a screen reader and has disabled PSReadLine for compatibility purposes. If you want to re-enable it, run 'Import-Module PSReadLine'.

PS C:\Users\ayush\OneDrive\Desktop\local> docker-compose run client
time="2025-04-10T12:57:22+05:30" level=warning msg="C:\\Users\\ayush\\OneDrive\\Desktop\\local\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Creating 1/1
✓ Container chat_server   Created
0.1s
[+] Running 1/1
✓ Container chat_server   Started
0.3s

Connected to server!
Client: hello

hello

C-Local