

```

Last login: Sun May 11 17:01:16 on ttys020
(base) sathwik@SATHWIKs-MacBook-Air Flower_Main % conda activate flec_env
(flec_env) sathwik@SATHWIKs-MacBook-Air Flower_Main % python client6.py
WARNING : DEPRECATED FEATURE: flwr.client.start_numpy_client() is deprecated.
Instead, use `flwr.client.start_client()` by ensuring you first call the `.to_client()` method as shown below:
flwr.client.start_client(
    server_address='<IP>:<PORT>',
    client=FlowerClient().to_client(), # <-- where FlowerClient is of type flwr.client.NumPyClient object
)
Using `start_numpy_client()` is deprecated.

This is a deprecated feature. It will be removed
entirely in future versions of Flower.

WARNING : DEPRECATED FEATURE: flwr.client.start_client() is deprecated.
Instead, use the `flower-supernode` CLI command to start a SuperNode as shown below:

$ flower-supernode --insecure --superlink='<IP>:<PORT>'

To view all available options, run:

$ flower-supernode --help

Using `start_client()` is deprecated.

This is a deprecated feature. It will be removed
entirely in future versions of Flower.

Traceback (most recent call last):
  File "/Users/sathwik/VISUAL STUDIO CODE/FLEC/Flower_Main/client6.py", line 51, in <module>
    fl.client.start_numpy_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 731, in start_numpy_client
    start_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 201, in start_client
    start_client_internal(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 438, in start_client_internal
    message = receive()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/grpc_client/connection.py", line 142, in receive
    proto = next(server_message_iterator)
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 543, in __next__
    return self._next()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 952, in _next
    raise self
grpc_channel._MultiThreadedRendezvous: <MultiThreadedRendezvous of RPC that terminated with:
  status = StatusCode.UNAVAILABLE
  details = "failed to connect to all addresses; last error: UNKNOWN: ipv4:127.0.0.1:5040: Failed to connect to remote host: connect: Connection refused
(61)"
  debug_error_string = "UNKNOWN:Error received from peer {created_time:"2025-05-11T17:07:12.789925-04:00", grpc_status:14, grpc_message:"failed to conn
ect to all addresses; last error: UNKNOWN: ipv4:127.0.0.1:5040: Failed to connect to remote host: connect: Connection refused (61)"}"
>
(flec_env) sathwik@SATHWIKs-MacBook-Air Flower_Main % python client6.py
WARNING : DEPRECATED FEATURE: flwr.client.start_numpy_client() is deprecated.
Instead, use `flwr.client.start_client()` by ensuring you first call the `.to_client()` method as shown below:
flwr.client.start_client(
    server_address='<IP>:<PORT>',
    client=FlowerClient().to_client(), # <-- where FlowerClient is of type flwr.client.NumPyClient object
)
Using `start_numpy_client()` is deprecated.

This is a deprecated feature. It will be removed
entirely in future versions of Flower.

WARNING : DEPRECATED FEATURE: flwr.client.start_client() is deprecated.
Instead, use the `flower-supernode` CLI command to start a SuperNode as shown below:

$ flower-supernode --insecure --superlink='<IP>:<PORT>'

To view all available options, run:

$ flower-supernode --help

Using `start_client()` is deprecated.

This is a deprecated feature. It will be removed
entirely in future versions of Flower.

Traceback (most recent call last):
  File "/Users/sathwik/VISUAL STUDIO CODE/FLEC/Flower_Main/client6.py", line 51, in <module>
    fl.client.start_numpy_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 731, in start_numpy_client
    start_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 201, in start_client
    start_client_internal(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 438, in start_client_internal
    message = receive()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/grpc_client/connection.py", line 142, in receive
    proto = next(server_message_iterator)
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 543, in __next__
    return self._next()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 952, in _next
    raise self
grpc_channel._MultiThreadedRendezvous: <MultiThreadedRendezvous of RPC that terminated with:
  status = StatusCode.UNAVAILABLE
  details = "failed to connect to all addresses; last error: UNKNOWN: ipv4:127.0.0.1:5040: Failed to connect to remote host: connect: Connection refused
(61)"
  debug_error_string = "UNKNOWN:Error received from peer {created_time:"2025-05-11T17:13:36.497067-04:00", grpc_status:14, grpc_message:"failed to conn
ect to all addresses; last error: UNKNOWN: ipv4:127.0.0.1:5040: Failed to connect to remote host: connect: Connection refused (61)"}"
>
(flec_env) sathwik@SATHWIKs-MacBook-Air Flower_Main % python client6.py
WARNING : DEPRECATED FEATURE: flwr.client.start_numpy_client() is deprecated.
Instead, use `flwr.client.start_client()` by ensuring you first call the `.to_client()` method as shown below:
flwr.client.start_client(
    server_address='<IP>:<PORT>',
    client=FlowerClient().to_client(), # <-- where FlowerClient is of type flwr.client.NumPyClient object

```

```

)
Using `start_numpy_client()` is deprecated.

    This is a deprecated feature. It will be removed
    entirely in future versions of Flower.

WARNING : DEPRECATED FEATURE: flwr.client.start_client() is deprecated.
Instead, use the `flower-supernode` CLI command to start a SuperNode as shown below:

    $ flower-supernode --insecure --superlink='<IP>:<PORT>'

To view all available options, run:

    $ flower-supernode --help

Using `start_client()` is deprecated.

    This is a deprecated feature. It will be removed
    entirely in future versions of Flower.

Traceback (most recent call last):
  File "/Users/sathwik/VISUAL STUDIO CODE/FLEC/Flower_Main/client6.py", line 51, in <module>
    fl.client.start_numpy_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 731, in start_numpy_client
    start_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 201, in start_client
    start_client_internal(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 438, in start_client_internal
    message = receive()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/grpc_client/connection.py", line 142, in receive
    proto = next(server_message_iterator)
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 543, in __next__
    return self._next()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 969, in _next
    raise self
grpc.channel.MutiThreadedRendezvous: <MutiThreadedRendezvous of RPC that terminated with:
  status = StatusCode.UNAVAILABLE
  details = "failed to connect to all addresses; last error: UNKNOWN: ipv4:127.0.0.1:5040: Failed to connect to remote host: connect: Connection refused
(61)"
  debug_error_string = "UNKNOWN:Error received from peer {grpc_message:"failed to connect to all addresses; last error: UNKNOWN: ipv4:127.0.0.1:5040: F
ailed to connect to remote host: connect: Connection refused (61)", grpc_status:14, created_time:"2025-05-11T17:23:22.716957-04:00"}"
>
(flec_env) sathwik@SATHWIKs-MacBook-Air Flower_Main % python client6.py
WARNING : DEPRECATED FEATURE: flwr.client.start_numpy_client() is deprecated.
Instead, use `flwr.client.start_client()` by ensuring you first call the `.to_client()` method as shown below:
flwr.client.start_client(
  server_address='<IP>:<PORT>',
  client=FlowerClient().to_client(), # <-- where FlowerClient is of type flwr.client.NumPyClient object
)
Using `start_numpy_client()` is deprecated.

    This is a deprecated feature. It will be removed
    entirely in future versions of Flower.

WARNING : DEPRECATED FEATURE: flwr.client.start_client() is deprecated.
Instead, use the `flower-supernode` CLI command to start a SuperNode as shown below:

    $ flower-supernode --insecure --superlink='<IP>:<PORT>'

To view all available options, run:

    $ flower-supernode --help

Using `start_client()` is deprecated.

    This is a deprecated feature. It will be removed
    entirely in future versions of Flower.

Traceback (most recent call last):
  File "/Users/sathwik/VISUAL STUDIO CODE/FLEC/Flower_Main/client6.py", line 51, in <module>
    fl.client.start_numpy_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 731, in start_numpy_client
    start_client(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 201, in start_client
    start_client_internal(
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/app.py", line 438, in start_client_internal
    message = receive()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/flwr/client/grpc_client/connection.py", line 142, in receive
    proto = next(server_message_iterator)
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 543, in __next__
    return self._next()
  File "/Users/sathwik/opt/anaconda3/envs/flec_env/lib/python3.9/site-packages/grpc/_channel.py", line 969, in _next
    raise self
grpc.channel.MutiThreadedRendezvous: <MutiThreadedRendezvous of RPC that terminated with:
  status = StatusCode.UNAVAILABLE
  details = "Cancelling all calls"
  debug_error_string = "UNKNOWN:Error received from peer {created_time:"2025-05-11T17:26:58.995862-04:00", grpc_status:14, grpc_message:"Cancelling all
calls"}"
>
(flec_env) sathwik@SATHWIKs-MacBook-Air Flower_Main % python client6.py
WARNING : DEPRECATED FEATURE: flwr.client.start_numpy_client() is deprecated.
Instead, use `flwr.client.start_client()` by ensuring you first call the `.to_client()` method as shown below:
flwr.client.start_client(
  server_address='<IP>:<PORT>',
  client=FlowerClient().to_client(), # <-- where FlowerClient is of type flwr.client.NumPyClient object
)
Using `start_numpy_client()` is deprecated.

    This is a deprecated feature. It will be removed
    entirely in future versions of Flower.

WARNING : DEPRECATED FEATURE: flwr.client.start_client() is deprecated.
Instead, use the `flower-supernode` CLI command to start a SuperNode as shown below:

```

```
$ flower-supernode --insecure --superlink='<IP>:<PORT>'
```

To view all available options, run:

```
$ flower-supernode --help
```

Using `start_client()` is deprecated.

This is a deprecated feature. It will be removed entirely in future versions of Flower.

```
INFO :
INFO : Received: train message 1692f2d3-ccf2-4088-ac18-3eac4b7664c0
Training finished for round 1
INFO : Sent reply
INFO :
INFO : Received: train message 268cd371-c412-46df-9fd2-13a0815a933f
Training finished for round 2
INFO : Sent reply
INFO :
INFO : Received: train message e7fafd4a-4d5f-4479-87d8-5fae0a1005ca
Training finished for round 3
INFO : Sent reply
INFO :
INFO : Received: train message 6ddfff94-6520-41b4-89f2-4182573e92a0
Training finished for round 4
INFO : Sent reply
INFO :
INFO : Received: train message 796ae844-fbab-4887-898e-ffb476a69660
Training finished for round 5
INFO : Sent reply
INFO :
INFO : Received: train message 68dd3409-80d4-42a6-8c7a-b112ca45018c
Training finished for round 6
INFO : Sent reply
INFO :
INFO : Received: train message f396cf32-cc3b-42e2-ad8c-657fb9d7dc7f
Training finished for round 7
INFO : Sent reply
INFO :
INFO : Received: train message 2353f87d-c54e-40b2-b6a6-8966e34b2476
Training finished for round 8
INFO : Sent reply
INFO :
INFO : Received: train message 2f44a769-fa02-480e-af47-8eeeab542dc8
Training finished for round 9
INFO : Sent reply
INFO :
INFO : Received: train message 169da009-fdbe-4af0-b0ef-70951cc9882c
Training finished for round 10
INFO : Sent reply
INFO :
INFO : Received: reconnect message 5253a4f0-7014-427a-83ea-abcec5a3966b
INFO : Disconnect and shut down
(flec_env) sathwik@SATHWIKs-MacBook-Air Flower_Main %
```