

HTTP POST request flow

POSTlocalhost:8000/message

Send

200 OK297 ms58 B

ParamsBodyAuthHeaders4ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

JSON

Preview

1{"msg": "msg1"}

1{"id": "8dd645bd-c0ea-4173-a4a2-73ece7fa353f",
2"msg": "msg1"
3}
4

My CollectionPOSTmsg1POSTmsg2+

POSTlocalhost:8000/message

Send

200 OK266 ms58 B

ParamsBodyAuthHeaders4ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

JSON

Preview

1{"msg": "msg2"}

1{"id": "23e28b0b-546f-47ba-b89e-fca566535c64",
2"msg": "msg2"
3}
4

My CollectionPOSTmsg1POSTmsg2POSTmsg3+

POSTlocalhost:8000/message

Send

200 OK275 ms58 B

ParamsBodyAuthHeaders4ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

JSON

Preview

1{"msg": "msg3"}

1{"id": "8bf201f4-d831-4eaa-8413-988cf8274e86",
2"msg": "msg3"
3}
4

1 - "POST /message HTTP/1.1" 200 OK

INFO: 127.0.0.1:5277

6 - "POST /message HTTP/1.1" 200 OK

INFO: 127.0.0.1:5277

9 - "POST /message HTTP/1.1" 200 OK

INFO: 127.0.0.1:5278

6 - "GET /messages HTTP/1.1" 200 OK

INFO: 127.0.0.1:5281

7 - "GET /message HTTP/1.1" 405 Method Not Allowed

INFO: Shutting down

INFO: Waiting for application shutdown.

INFO: Application shutdown complete.

Logged: df261fbe-0de5-48c4-8fa2-a4d91109b302 -> hello world

INFO: 127.0.0.1:52631 - "POST /log HTTP/1.1" 200 OK

Logged: 21a3909c-900c-49a3-8724-41e7fa665166 -> hello world

INFO: 127.0.0.1:52757 - "POST /log HTTP/1.1" 200 OK

Logged: 9e4854e0-d477-40c2-88a3-a36c3929757d -> hello world

INFO: 127.0.0.1:52763 - "POST /log HTTP/1.1" 200 OK

Logged: 8dd645bd-c0ea-4173-a4a2-73ece7fa353f -> msg1

INFO: 127.0.0.1:52773 - "POST /log HTTP/1.1" 200 OK

Logged: 23e28b0b-546f-47ba-b89e-fca566535c64 -> msg2

INFO: 127.0.0.1:52778 - "POST /log HTTP/1.1" 200 OK

Logged: 8bf201f4-d831-4eaa-8413-988cf8274e86 -> msg3

INFO: 127.0.0.1:52781 - "POST /log HTTP/1.1" 200 OK

INFO: 127.0.0.1:52788 - "GET /log HTTP/1.1" 200 OK

INFO: 127.0.0.1:52823 - "GET /log HTTP/1.1" 200 OK

HTTP GET request flow

My Collection x POST msg1 x POST msg2 x POST msg3 x GET all x +

GET localhost:8000/message Send 200 OK 613 ms 99 B Just Now

Params Body Auth Headers 3 Scripts Docs

URL PREVIEW http://localhost:8000/message

QUERY PARAMETERS Import from URL Bulk Edit

+ Add Delete all Description

#	name	value
---	------	-------

Preview 4 Cookies Tests 0/0 Mock Console

Preview 1 { 2 "response": "hello world\nhello world\nhello world\nmsg1\nmsg2\nmsg3\nHello from 3 message service!" }

INFO: Application shutdown complete.
INFO: Finished server process [13788]
PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> uvicorn facade_service:app --port 8000
>>
INFO: Started server process [12992]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL +C to quit)
INFO: 127.0.0.1:52821 - "GET /message HTTP/1.1" 200 OK
[]

INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on http://127.0.0.1:8001 (Press CTRL +C to quit)
INFO: Logged: df261fbc-0de5-48c4-8fa2-a4d91109b302 -> hello world
INFO: 127.0.0.1:52831 - "POST /log HTTP/1.1" 200 OK
INFO: Logged: 21a3909c-908c-49e3-8724-4167fa665166 -> hello world
INFO: 127.0.0.1:52757 - "POST /log HTTP/1.1" 200 OK
INFO: Logged: 9e4854e0-d477-40c2-88a3-a36c3929757d -> hello world
INFO: 127.0.0.1:52763 - "POST /log HTTP/1.1" 200 OK
INFO: Logged: 8dd654bd-c0ea-4173-a4a2-73ece7fa353f -> msg1
INFO: 127.0.0.1:52773 - "POST /log HTTP/1.1" 200 OK
INFO: Logged: 23a2080b-546f-47ba-b89a-fca86035c604 -> msg2
INFO: 127.0.0.1:52778 - "POST /log HTTP/1.1" 200 OK
INFO: Logged: 8bf201f4-d831-4eaa-8413-988cf8274e86 -> msg3
INFO: 127.0.0.1:52781 - "POST /log HTTP/1.1" 200 OK
INFO: 127.0.0.1:52788 - "GET /log HTTP/1.1" 200 OK
INFO: 127.0.0.1:52823 - "GET /log HTTP/1.1" 200 OK
[]

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> uvicorn messages_service:app --port 8002
INFO: Started server process [12668]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on http://127.0.0.1:8002 (Press CTRL+C to quit)
INFO: 127.0.0.1:52825 - "GET /message HTTP/1.1" 200 OK
[]

Grpc

<proto_path> passed empty directory name: (use -I for current directory.)

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> python -m grpc_tools.protoc -I. --python_out=. --grpc_python_out=. logging.proto

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> █

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> python logging_service.py

Logging gRPC service running on port 50051

█

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> uvicorn messages_service:app --port 8002

INFO: Started server process [14512]

INFO: Waiting for application startup.

INFO: Application startup complete.

INFO: Uvicorn running on http://127.0.0.1:8002 (Press CTRL+C to quit)

█

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> uvicorn facade_service:app --port 8000

INFO: Started server process [13512]

INFO: Waiting for application startup.

INFO: Application startup complete.

INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)

█

post

POST localhost:8000/grpc_message Send 200 OK 35 ms 75 B

Params Body Auth Headers 4 Scripts Docs

JSON 1 [{"msg": "msg1 grpc"}]

Preview 4 Cookies Tests 0/0 Mock Console

Preview 1 { 2 "message_id": "b215334b-b04c-40ec-ae8a-1c400d8bd91e", 3 "message": "msg1 grpc" 4 }

POSTlocalhost:8000/grpc_message

Send

200 OK18 ms75 B

ParamsBodyAuthHeaders4ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

JSON

Preview

1{"msg": "msg2 grpc"}

1{"message_id": "2ef04e6f-dfbd-45bb-8eae-0cf5902ecb30",

2"message": "msg2 grpc"

3}

4}

POSTlocalhost:8000/grpc_message

Send

200 OK14 ms75 B

ParamsBodyAuthHeaders4ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

JSON

Preview

1{"msg": "msg3 grpc"}

1{"message_id": "bc47cc7f-5241-4cef-98f5-39fe4249b1c0",

2"message": "msg3 grpc"

3}

4}

INFO: Waiting for application startup.

INFO: Application startup complete.

INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)

gRPC POST: Відповідь від logging-service: logged

INFO: 127.0.0.1:53146 - "POST /grpc_message HTTP/1.1" 200 OK

gRPC POST: Відповідь від logging-service: logged

INFO: 127.0.0.1:53151 - "POST /grpc_message HTTP/1.1" 200 OK

gRPC POST: Відповідь від logging-service: logged

INFO: 127.0.0.1:53153 - "POST /grpc_message HTTP/1.1" 200 OK

KeyboardInterrupt

PS C:\Users\aserbs\Desktop\kpi\master1.2\distributed-systems\lab1> py

hon logging_service.py

Logging gRPC service running on port 50051

[LOGGED] b215334b-b84c-40ec-ae8a-1c400d8bd91e -> msg1 grpc

[LOGGED] 2ef04e6f-dfbd-45bb-8eae-0cf5902ecb30 -> msg2 grpc

[LOGGED] bc47cc7f-5241-4cef-98f5-39fe4249b1c0 -> msg3 grpc

Git Graph

Get

GETlocalhost:8000/grpc_message

Send

200 OK2.09 s86 BJust Now

ParamsBodyAuthHeaders3ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

No Body

Preview

1{"combined": "msg1 grpc msg2 grpc msg3 grpc {\\"msg\\":\\"Hello from message

2service!\\"}"

3}

Retry

Вимкну logging_service та відправляю повідомлення і через 3с увімкну logging

ParamsBodyAuthHeaders4ScriptsDocs

PreviewHeaders4CookiesTests0/0MockConsole

JSON

Preview

1{"msg": "msg grpc check retry"}

1{"message_id": "a6641f9e-67fa-40e1-935f-611cfc481e19",

2"message": "msg grpc check retry"

3}

4}

