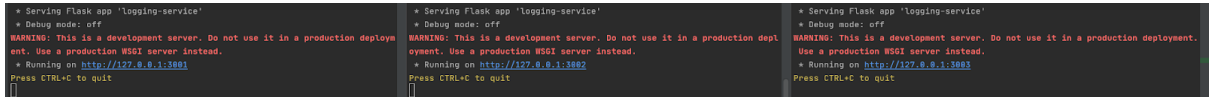


## Лабораторна робота №4

Виконав: Товстенко Артем ФБ-31мп  
git:

- Запустити три екземпляра **logging-service** (локально їх можна запустити на різних портах), відповідно мають запуститись також три екземпляра Hazelcast

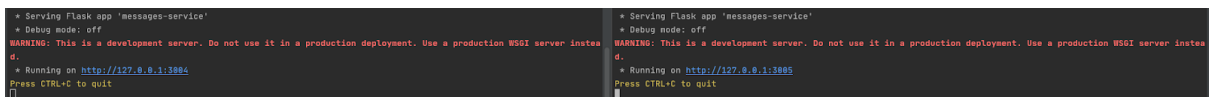


```
* Serving Flask app 'logging-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3881
Press CTRL+C to quit

* Serving Flask app 'logging-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3882
Press CTRL+C to quit

* Serving Flask app 'logging-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3883
Press CTRL+C to quit
```

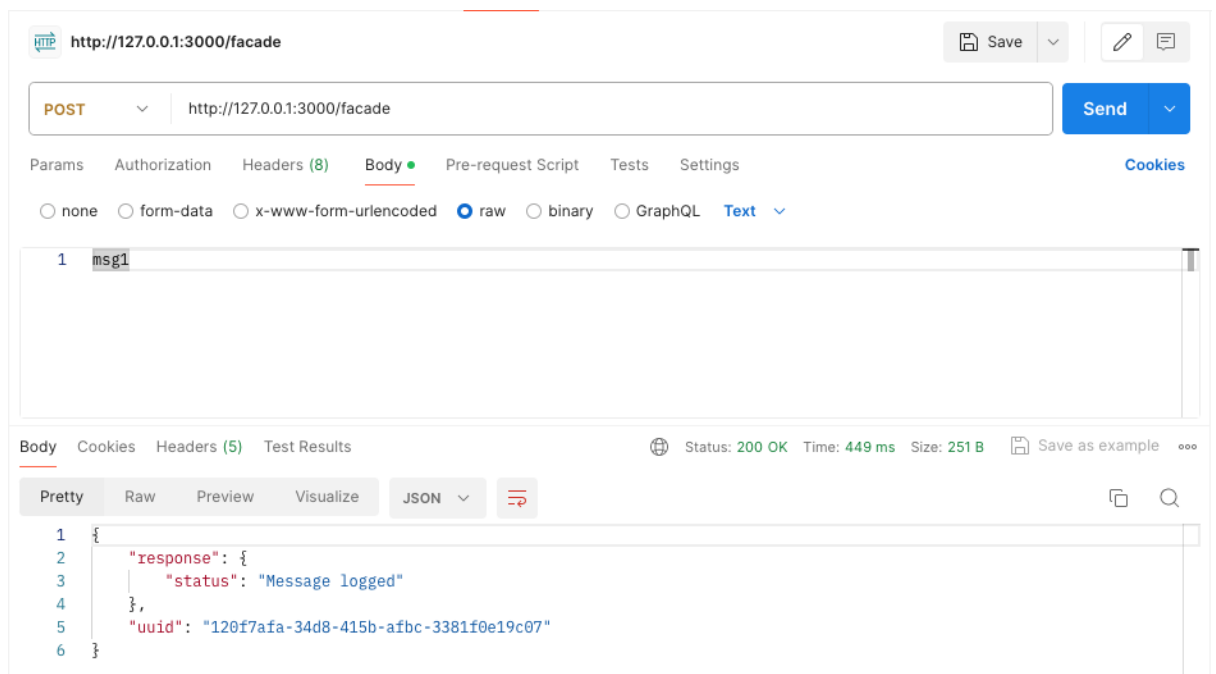
- Запустити два екземпляри **messages-service** (локально їх можна запустити на різних портах)



```
* Serving Flask app 'messages-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3884
Press CTRL+C to quit

* Serving Flask app 'messages-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3885
Press CTRL+C to quit
```

- Через HTTP POST записати 10 повідомлень **msg1-msg10** через **facade-service**



- Показати які повідомлення отримав кожен з екземплярів **logging-service** (це має бути видно у логах сервісу)

```
* Serving Flask app 'logging-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3001
Press CTRL+C to quit
id: a8a018ca-9999-4044-ae3f-9dee56f65139
msg: msg4
127.0.0.1 - - [14/May/2024 15:05:09] "POST /log HTTP/1.1" 200 -
id: 8e42197b-a3b1-4931-8fb6-c644bef4fb07
msg: msg6
127.0.0.1 - - [14/May/2024 15:05:11] "POST /log HTTP/1.1" 200 -
id: 70830498-ea82-493d-8028-98b79da9fb57
msg: msg9
127.0.0.1 - - [14/May/2024 15:05:31] "POST /log HTTP/1.1" 200 -
```

```
* Serving Flask app 'logging-service'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3002
Press CTRL+C to quit
id: 31c0987e-1dac-42c3-8134-ac762d750aa2
msg: msg3
127.0.0.1 - - [14/May/2024 15:05:06] "POST /log HTTP/1.1" 200 -
id: e0547f09-a3e7-4546-bd3e-3ba48502bc0a
msg: msg7
127.0.0.1 - - [14/May/2024 15:05:14] "POST /log HTTP/1.1" 200 -
```

```

* Running on http://127.0.0.1:3003
Press CTRL+C to quit
127.0.0.1 - - [14/May/2024 15:03:46] "GET /log HTTP/1.1" 200 -
id: 01a82e9a-a8de-4424-a5b8-d1868f3cbd27
msg: msg1
127.0.0.1 - - [14/May/2024 15:05:03] "POST /log HTTP/1.1" 200 -
id: 0bdd4e27-5bcc-467d-907e-ec060227b928
msg: msg2
127.0.0.1 - - [14/May/2024 15:05:04] "POST /log HTTP/1.1" 200 -
id: d59f6c15-260c-473c-9cde-87e7834e2ec3
msg: msg5
127.0.0.1 - - [14/May/2024 15:05:10] "POST /log HTTP/1.1" 200 -
id: f7ef59ec-b7ff-48f5-b852-9042b79df1e1
msg: msg8
127.0.0.1 - - [14/May/2024 15:05:29] "POST /log HTTP/1.1" 200 -
id: 75a7b83f-e661-43d9-a3a5-c3a03c2e2072
msg: msg10
127.0.0.1 - - [14/May/2024 15:05:34] "POST /log HTTP/1.1" 200 -

```

- Показати які повідомлення отримав кожен з екземплярів **messages-service** (це має бути видно у логах сервісу)


```

* Running on http://127.0.0.1:3004
Press CTRL+C to quit
Get message msg2
127.0.0.1 - - [14/May/2024 15:05:04] "POST /message HTTP/1.1" 200 -
Get message msg3
127.0.0.1 - - [14/May/2024 15:05:06] "POST /message HTTP/1.1" 200 -
Get message msg4
127.0.0.1 - - [14/May/2024 15:05:09] "POST /message HTTP/1.1" 200 -
Get message msg5
127.0.0.1 - - [14/May/2024 15:05:10] "POST /message HTTP/1.1" 200 -
Get message msg7
127.0.0.1 - - [14/May/2024 15:05:14] "POST /message HTTP/1.1" 200 -
Get message msg8
127.0.0.1 - - [14/May/2024 15:05:29] "POST /message HTTP/1.1" 200 -
Get message msg9
127.0.0.1 - - [14/May/2024 15:05:31] "POST /message HTTP/1.1" 200 -
Get message msg10
127.0.0.1 - - [14/May/2024 15:05:34] "POST /message HTTP/1.1" 200 -



WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:3005
Press CTRL+C to quit
127.0.0.1 - - [14/May/2024 15:03:41] "GET /message HTTP/1.1" 200 -
Get message msg1
127.0.0.1 - - [14/May/2024 15:05:03] "POST /message HTTP/1.1" 200 -
Get message msg6
127.0.0.1 - - [14/May/2024 15:05:11] "POST /message HTTP/1.1" 200 -

```

- Декілька разів викликати HTTP GET на **facade-service** та отримати об'єднані дві множини повідомлень - це мають бути повідомлення з **logging-service** та **messages-service**

 http://127.0.0.1:3000/facade

Save

GET

http://127.0.0.1:3000/facade

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

Text

1

msg10

Body

Cookies

Headers (5)

Test Results

Status: 200 OK

Time: 280 ms

Size: 299 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"logged\_messages": "msg9 msg3 msg6 msg2 msg10 msg4 msg1 msg8 msg5 msg7",

3

"message\_response": "Messages on port 3005: ['msg1', 'msg6']"

4

}

 http://127.0.0.1:3000/facade

Save

GET

http://127.0.0.1:3000/facade

Send

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Cookies

☐ none

☐ form-data

☐ x-www-form-urlencoded

☒ raw

☐ binary

☐ GraphQL

Text

1

msg10

Body

Cookies

Headers (5)

Test Results

Status: 200 OK

Time: 189 ms

Size: 348 B

Save as example

Pretty

Raw

Preview

Visualize

JSON

1

{

2

"logged\_messages": "msg9 msg3 msg6 msg2 msg10 msg4 msg1 msg8 msg5 msg7",

3

"message\_response": "Messages on port 3004: ['msg2', 'msg3', 'msg4', 'msg5', 'msg7', 'msg8', 'msg9', 'msg10']"

4

}