

Lab 01: Basic architecture of microservices

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Code (branch): *micro_basics*

POST:

```
POST http://localhost:8080/facade_service
Content-Type: application/json

{"First message": ""}
###
```

- First POST request:

```
Content-Type: application/json
Content-Length: 19
Server: Werkzeug/2.0.3 Python/3.9.12
Date: Sat, 14 May 2022 09:05:42 GMT

{
  "statusCode": 200
}

Response file saved.
> 2022-05-14T120542.200.json

Response code: 200 (OK); Time: 31ms; Content length: 19 bytes
```

- Facade service:

```
127.0.0.1 - - [14/May/2022 13:31:44] "GET /facade_service HTTP/1.1" 200 -
```

- Message service:

```
127.0.0.1 - - [14/May/2022 13:31:53] "GET /message_service HTTP/1.1" 200 -
```

- Logging service:

```
2022-05-14 13:31:41 INFO {'message': 'First message', 'message_uuid': 'e9743d21-6c6d-4245-b017-94bbd48d0877'}
2022-05-14 13:31:41 INFO 127.0.0.1 - - [14/May/2022 13:31:41] "POST /logging_service HTTP/1.1" 200 -
2022-05-14 13:31:44 INFO 127.0.0.1 - - [14/May/2022 13:31:44] "GET /logging_service HTTP/1.1" 200 -
```

GET:

```
GET http://localhost:8080/facade_service
Accept: text/html
###
```

- First GET request:

```
HTTP/1.0 200 OK
Content-Type: text/html; charset=utf-8
Content-Length: 54
Server: Werkzeug/2.0.3 Python/3.9.12
Date: Sat, 14 May 2022 10:36:09 GMT

['First message']: messages-service is not implemented
Response file saved.
> 2022-05-14T133609.200.html

Response code: 200 (OK); Time: 18ms; Content length: 54 bytes
```

- Second GET request:

```
HTTP/1.0 200 OK
Content-Type: text/html; charset=utf-8
Content-Length: 71
Server: Werkzeug/2.0.3 Python/3.9.12
Date: Sat, 14 May 2022 10:31:44 GMT

['First message', 'First message']: messages-service is not implemented
Response file saved.
> 2022-05-14T133144.200.html

Response code: 200 (OK); Time: 30ms; Content length: 71 bytes
```

- Facade service:

```
127.0.0.1 - - [14/May/2022 13:36:07] "POST /facade_service HTTP/1.1" 200 -  
127.0.0.1 - - [14/May/2022 13:36:09] "GET /facade_service HTTP/1.1" 200 -
```

- Message service:

```
127.0.0.1 - - [14/May/2022 13:36:09] "GET /message_service HTTP/1.1" 200 -
```

- Logging service:

```
2022-05-14 13:36:07 INFO      {'message': 'First message', 'message_uuid': 'cd5b8f68-a682-4f1d-be06-3dcde583885e'}  
2022-05-14 13:36:07 INFO      127.0.0.1 - - [14/May/2022 13:36:07] "POST /logging_service HTTP/1.1" 200 -  
2022-05-14 13:36:09 INFO      127.0.0.1 - - [14/May/2022 13:36:09] "GET /logging_service HTTP/1.1" 200 -
```