

**Génie du Logiciel et des Systèmes Informatiques
Distribués 3**

Test Compte rendu

Réalisé par :

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Encadré par :

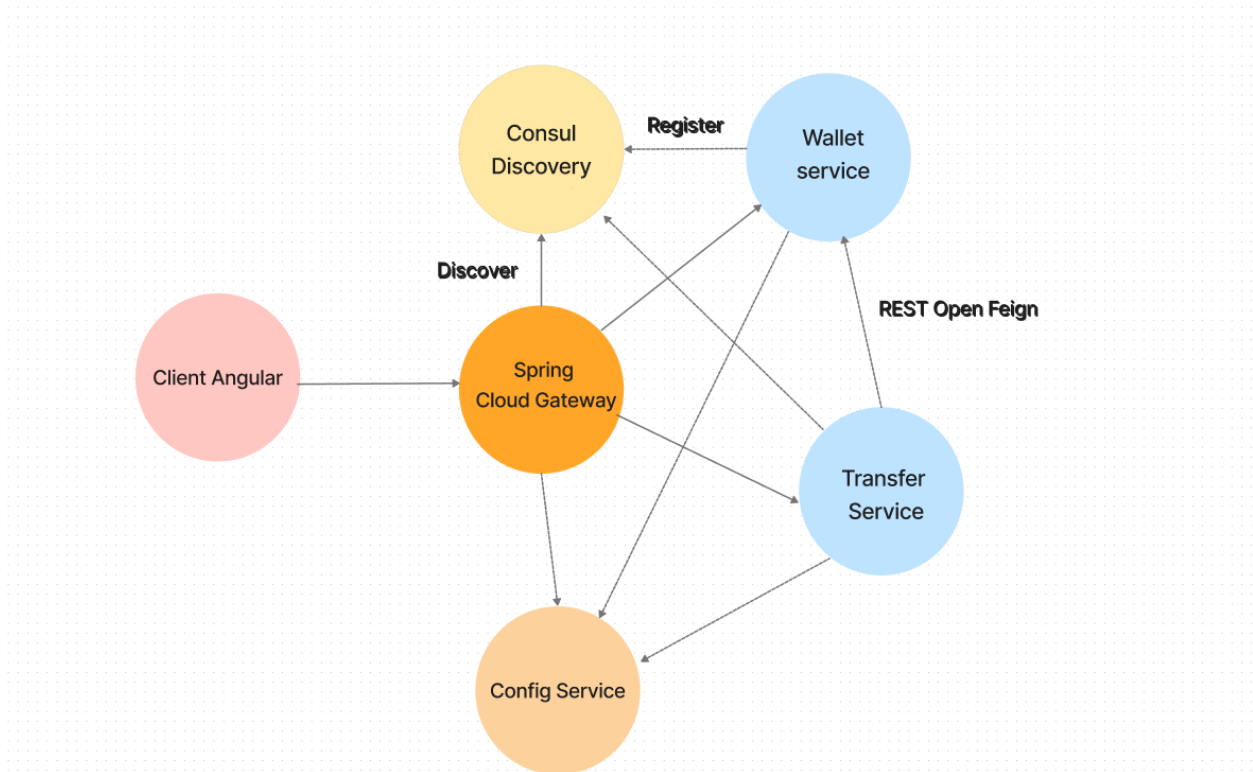
M. YOUSSEFI Mohamed

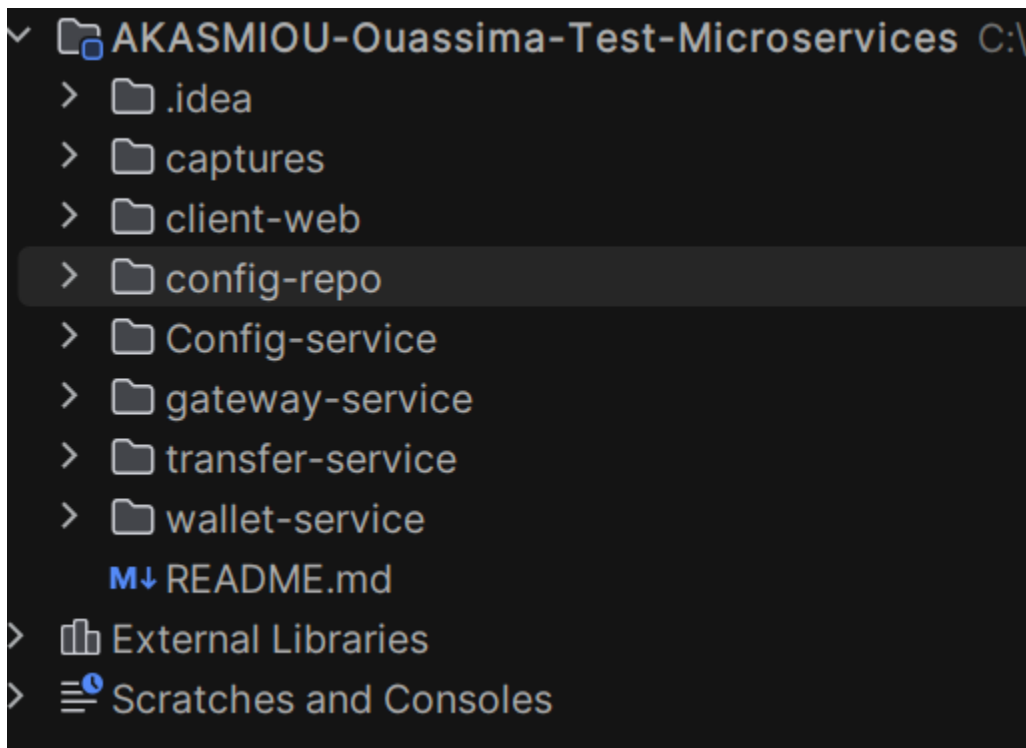
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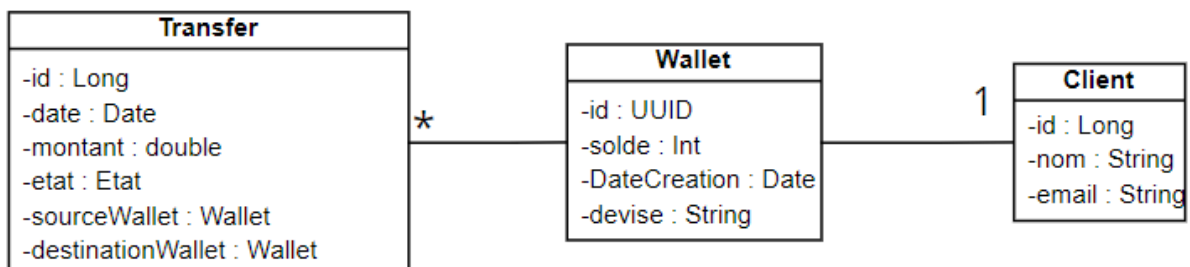
Exercise :

1- Architecture



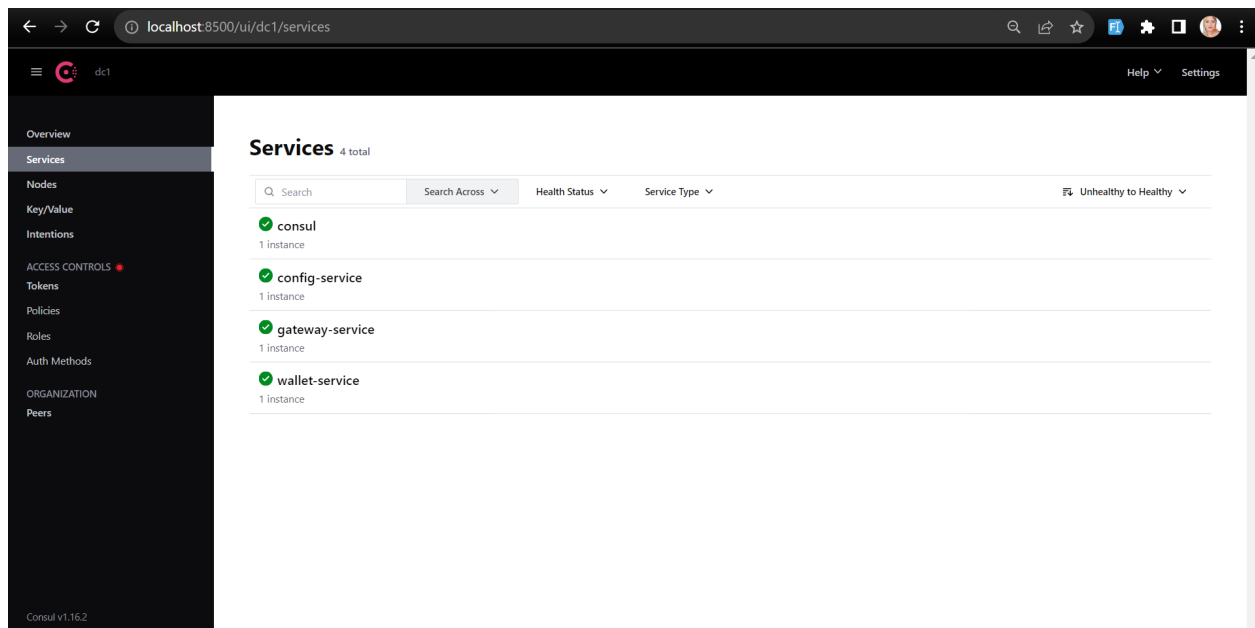


2- Diagramme de classes

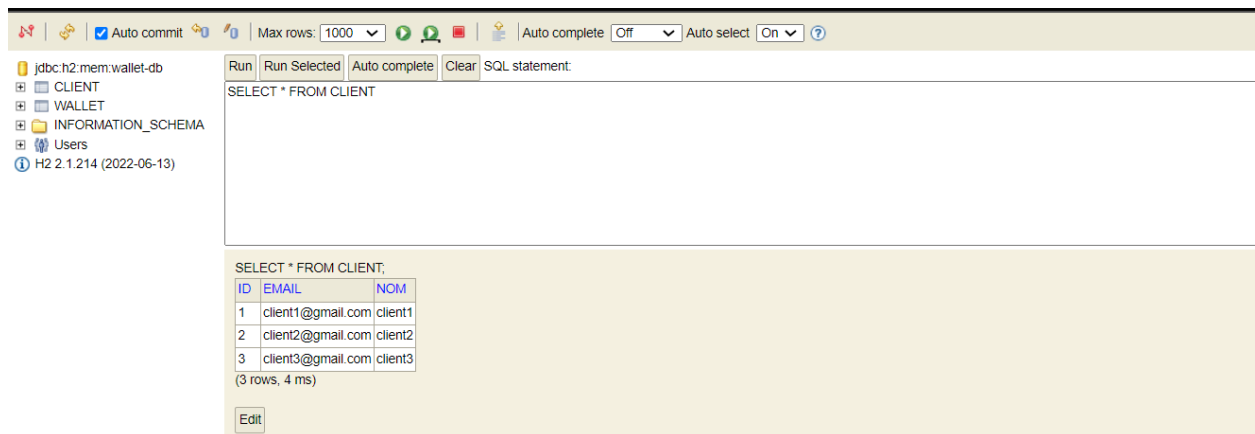


3- Microservice Wallet :

Consul discovery :



Base données h2Database pour stocker les données :



jdbc:h2:mem:wallet-db

- CLIENT
- WALLET
- INFORMATION_SCHEMA
- Users
- H2 2.1.214 (2022-06-13)

Run Run Selected Auto complete Clear SQL statement:

SELECT * FROM WALLET

SELECT * FROM WALLET;

SOLDE	CLIENT_ID	DATE_CREATION	ID	DEVISE
1000.0	1	2023-10-30 09:40:25.701	1	DH
2000.0	2	2023-10-30 09:40:25.701	2	\$
3000.0	3	2023-10-30 09:40:25.701	3	\$

(3 rows, 1 ms)

Edit

localhost:8081/swagger-ui/index.html#

client-entity-controller

- GET /clients
- POST /clients
- GET /clients/{id}
- PUT /clients/{id}
- DELETE /clients/{id}
- PATCH /clients/{id}

profile-controller

- GET /profile
- GET /profile/clients
- GET /profile/wallets

wallet-entity-controller

- GET /wallets

localhost:8081/swagger-ui/index.html#/client-entity-controller/getCollectionResource-client-get_1

```
curl -X 'GET' \
  'http://localhost:8081/clients?page=0&size=20' \
  -H 'accept: application/hal+json'
```

Request URL

http://localhost:8081/clients?page=0&size=20

Server response

Code	Details
200	<p>Response body</p> <pre>{ "_embedded": { "clients": [{ "id": 1, "name": "client1", "email": "client1@gmail.com", "_links": { "self": { "href": "http://localhost:8081/clients/1" }, "client": { "href": "http://localhost:8081/clients/1" } } }, { "id": 2, "name": "client2", "email": "client2@gmail.com", "_links": { "self": { "href": "http://localhost:8081/clients/2" }, "client": { "href": "http://localhost:8081/clients/2" } } }] } }</pre> <p>Response headers</p> <pre>connection: keep-alive content-type: application/hal+json date: Mon, 30 Oct 2023 08:52:18 GMT keep-alive: timeout=60 transfer-encoding: chunked vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers</pre>

Responses

Code	Description
------	-------------

Links

localhost:8081/swagger-ui/index.html#/client-entity-controller/getItemResource-client-get

Name Description

id * required
string
(path)

1

Execute Clear

Responses

Curl

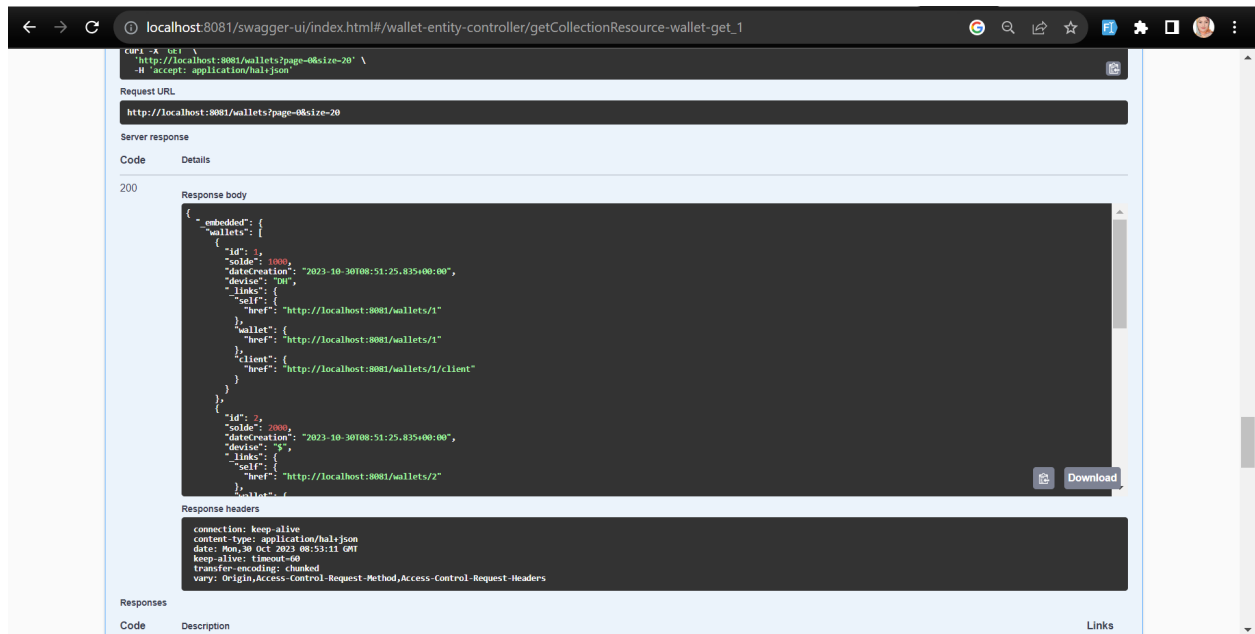
```
curl -X 'GET' \
  'http://localhost:8081/clients/1' \
  -H 'accept: application/hal+json'
```

Request URL

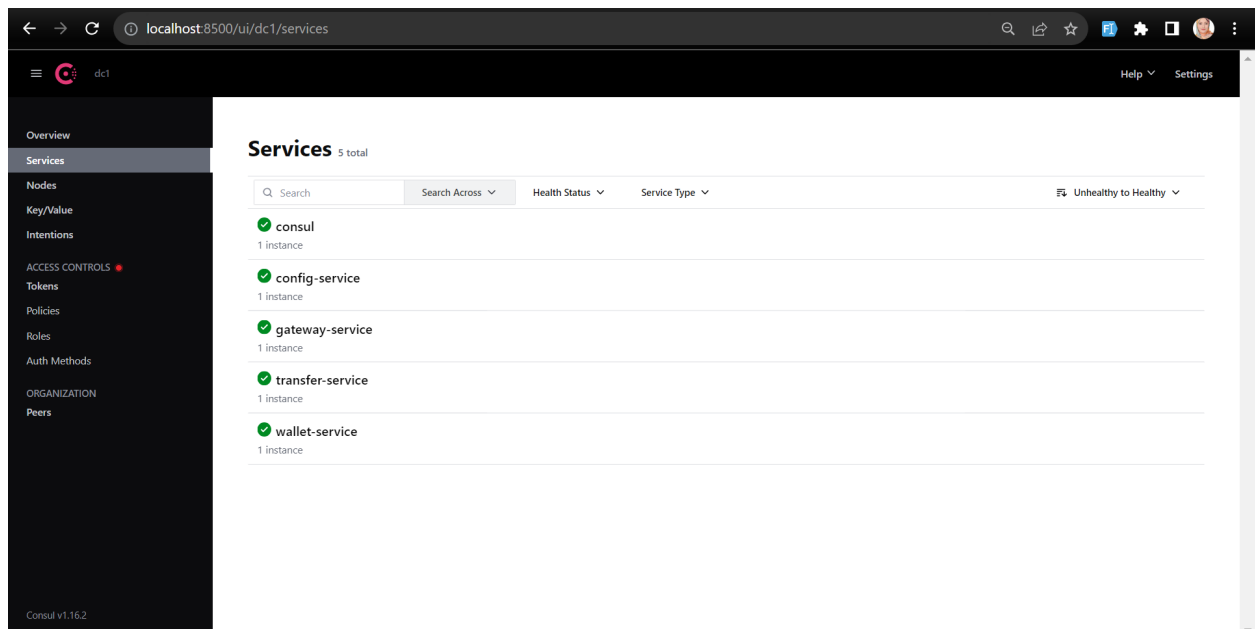
http://localhost:8081/clients/1

Server response

Code	Details
200	<p>Response body</p> <pre>{ "id": 1, "name": "client1", "email": "client1@gmail.com", "_links": { "self": { "href": "http://localhost:8081/clients/1" }, "client": { "href": "http://localhost:8081/clients/1" } } }</pre> <p>Response headers</p>



Après la création du microservice Transfer-service :



localhost:8082/h2-console/login.do?jsessionId=98d2e05ed2a253a631d14fd2634d122a

Auto commit: ☒ Max rows: 1000 Auto complete: Off Auto select: On

jdbc:h2:mem:transfer-db

- TRANSFER
- INFORMATION_SCHEMA
- Users
- H2 2.1.214 (2022-06-13)

Run Run Selected Auto complete Clear SQL statement:

SELECT * FROM TRANSFER

SELECT * FROM TRANSFER;

ETAT	MONTANT	DATE	DEST_WALLET_ID	ID	SOURCE_WALLET_ID
1	100.0	2023-10-30 10:33:09.897	2	1	1
0	200.0	2023-10-30 10:33:09.897	3	2	2
2	300.0	2023-10-30 10:33:09.897	1	3	3
1	300.0	2023-10-30 10:33:09.897	1	4	2

(4 rows, 5 ms)

Edit

localhost:8082/swagger-ui/index.html#/wallet-entity-controller/getItemResource-wallet-get

GET /profile

GET /profile/transfers

transfer-entity-controller

GET /transfers

POST /transfers

GET /transfers/{id}

PUT /transfers/{id}

DELETE /transfers/{id}

PATCH /transfers/{id}

transfer-rest-controller

GET /fullTransfer/{id}

Schemas

AbstractJsonSchemaPropertyObject >

localhost:8082/swagger-ui/index.html#/transfer-entity-controller/getCollectionResource-transfer-get_1

Request URL
http://localhost:8082/transfers?page=0&size=20

Server response

Code Details

200

Response body

```
{
  "_embedded": {
    "transfers": [
      {
        "id": 1,
        "date": "2023-10-30T09:33:09.897+00:00",
        "montant": 100,
        "etat": "OK",
        "sourcewalletid": 1,
        "destwalletid": 2,
        "sourcewallet": null,
        "destwallet": null,
        "links": {
          "self": {
            "href": "http://localhost:8082/transfers/1"
          },
          "transfer": {
            "href": "http://localhost:8082/transfers/1"
          }
        }
      },
      {
        "id": 2,
        "date": "2023-10-30T09:33:09.897+00:00",
        "montant": 200,
        "etat": "PENDING",
        "sourcewalletid": 2,
        "destwalletid": 3,
        "sourcewallet": null,
        "destwallet": null
      }
    ]
  }
}
```

Response headers

```
connection: keep-alive
content-type: application/hal+json
date: Mon, 30 Oct 2023 09:35:09 GMT
keep-alive: timeout=60
transfer-encoding: chunked
vary: Origin,Access-Control-Request-Method,Access-Control-Request-Headers
```

Responses

Code Description Links

localhost:8082/swagger-ui/index.html#/transfer-entity-controller/getItemResource-transfer-get

string (path)
2

Execute Clear

Responses

Curl

```
curl -X 'GET' \
  'http://localhost:8082/transfers/2' \
  -H 'accept: application/hal+json'
```

Request URL
http://localhost:8082/transfers/2

Server response

Code Details

200

Response body

```
{
  "id": 2,
  "date": "2023-10-30T09:33:09.897+00:00",
  "montant": 200,
  "etat": "PENDING",
  "sourcewalletid": 2,
  "destwalletid": 3,
  "sourcewallet": null,
  "destwallet": null,
  "links": {
    "self": {
      "href": "http://localhost:8082/transfers/2"
    },
    "transfer": {
      "href": "http://localhost:8082/transfers/2"
    }
  }
}
```

Response headers

```
connection: keep-alive
content-type: application/hal+json
```

