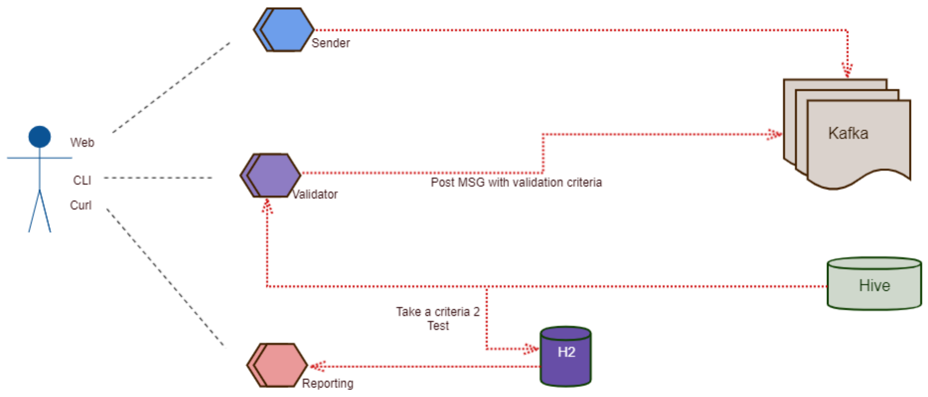
Stream REST API

API Doc

1. Get message criteria
2. Get sample message
3. Send message to Kafka from Web (browser , REST client, curl command)
4. Send message and Validate the ETL over through web (browser , REST client, curl command)
5. Register/ unregister   MSG / ETL validation criteria



How to send to message:

1. Launch the service through any RestClient → http://cov3lhdpedge01vm:8082/ws/msg/sender
2. Sample service invoke :

```
curl -X POST -H "Content-Type: application/json" -d '{}' http://cov3lhdpedge01vm:8082/ws/msg/sender
```

How to use validation service:

1. Validator service takes few validation criteria like sql, actual inputs and expected output,service takes the inputs and send to kafka and wait for few seconds and validation post process messages in respective target tables.
2. Validation response contains passed and failed test cases in field level, it print the result with actual and expected values.
3. Test reports are saved into DB for future and run and validation.
4. Validator can run one functionality at a time or run all at one based your preference.

Follow the steps as below.

Steps

1. Launch the service through any RestClient → http://cov3lhdpedge01vm:8082/ws/msg/validator
2. Service Request and Response has been included in below code block,modify and register the service if everything looks good.

3. Reporting dash board
    a. Web console : http://cov3lhdpedge01vm:8082/h2-console/login.do?jsessionid=02d3785adaea5e928d1d925c661ba3e5
    b. User name : sa
    c. Password : none - leave it empty
    d. JDBC URL will be pre-populated if not please include: jdbc:h2:file:/home/srvredi/anand/stream-rest-service-api-2/db/h2t;DB_CLOSE_ON_EXIT=FALSE;AUTO_RECONNECT=TRUE
4. Reporting for pass & failed test cases
    a. Passed test cases > SELECT * FROM TEST_RESULTS where test='passed'
    b. Failed test cases > SELECT * FROM TEST_RESULTS where test like 'failed%'

Request:

```
{
  "delays": 10,
  "IsSave": false,
  "msgValReq": [
    {
      "sql": "select clientname,ClientId from redi_v2.bi_trans_master_core_wide ",
      "exp_rs_XML": "<resultset><result><clientid>000043</clientid><clientname>B &amp; H Photo (Risk)<
/clientname></result></resultset>",
      "functionality_name": "client-validation-test",
      "msg": {
        "ClientId": "000043"
      }
    }
  ]
}
```

Response

```
{
    "result": {
        "functionality_name": "client-validation-test",
        "result_set": [
            {
                "test": "passed",
                "field_name": "clientid"
            },
            {
                "test": "failed-val[exp->act]=B & H Photo (Risk)-Default client",
                "field_name": "clientname"
            }
        ]
    }
}
```

Run all test:

1. Launch the service through any RestClient → http://cov3lhdpedge01vm:8082/ws/msg/validator/run
2. Payload → {"delays":10,"command":"clear"}

Take a backups and loads:

data export

CALL CSVWRITE ('/home/srvredi/anand/stream-rest-service-api-2/data-backup/test_criteria-5282020.csv', 'SELECT * FROM TEST_CRITERIA', 'charset=UTF-8 fieldSeparator=|');

Data import

```
CREATE TABLE TEST_CRITERIA_2 AS SELECT * FROM CSVREAD('/home/srvredi/anand/stream-rest-service-api-2/data-backup/test_criteria-5282020.csv', null, 'charset=UTF-8 fieldSeparator=|');
```