



EIC data DC-0

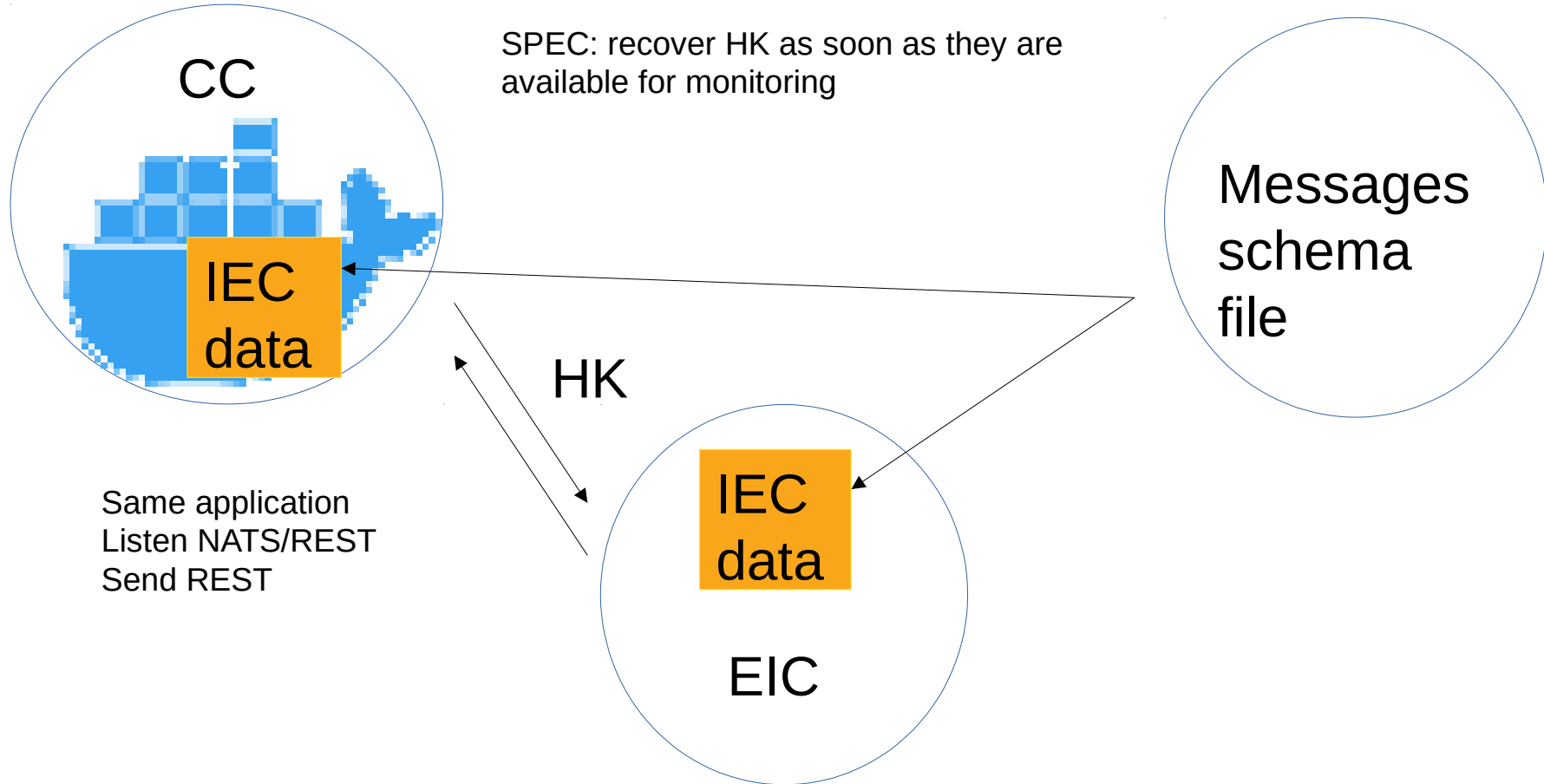
EIC context.

Messages in FSC.

Use cases (what's in the box).



Context





Messages


fsc_msg_elements.json

```
{
  "definitions": {
    "DateIso": {
      "description": "Generic type for the Dates. Using Date as classname mak",
      "type": "string",
      "format": "date-time"
    },
    "Instrument": {
      "type": "string",
      "enum": [
        "MXT",
        "VT",
        "ECLAIR",
        "GRM",
        "F-GBT",
        "ANY",
        "NONE"
      ]
    },
    "ObsMode": {
      "type": "string",
      "enum": [
        "CoreProgram",
        "GeneralProgram",
        "TargetOfOpportunity",
        "Any",
        "None"
      ]
    },
    "ProcStatus": {
      "type": "string",
      "enum": [
        "Idle",
        "Waiting",
        "DataNotification": {
          "data_type": "default",
          "date": "default",
          "message": "default",
          "resource_locator": "default",
          "source": "default"
        },
        "ServiceStatus": {
          "activity": "default",
          "date": "default",
          "descriptor": {
            "creation_date": "default",
            "instrument": [
              "default"
            ],
            "links": [
              "default"
            ],
            "mode": "default",
            "name": "EicData",
            "uri": "default",
            "version": "default"
          },
          "info": "default"
        }
      ]
    }
  }
}
```



Use case


 EIC data manager (draft)

Event:  [get_config OK](#)

Service monitor

len_queue:	0
status_time:	2019-01-21 13:23:59.332102
resource_locator:	null
NatsConn:	true
status:	wait

 EIC data manager (draft)

Event:  [get_config OK](#)

Service monitor

len_queue:	0
status_time:	2019-01-20 15:15:52.168964
resource_locator:	http://127.0.0.1/testdata/bandx_007
NatsConn:	true
status:	wait

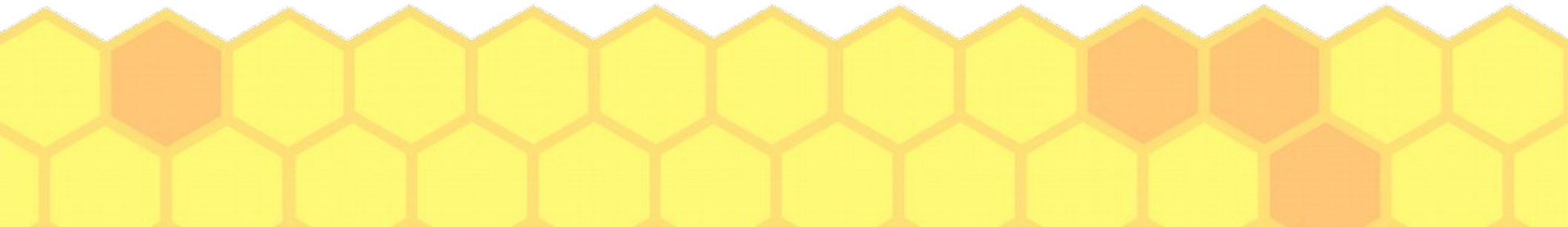


Test/Cloud sequence :

- use false id : **bandx_007**
- **make true/false message**

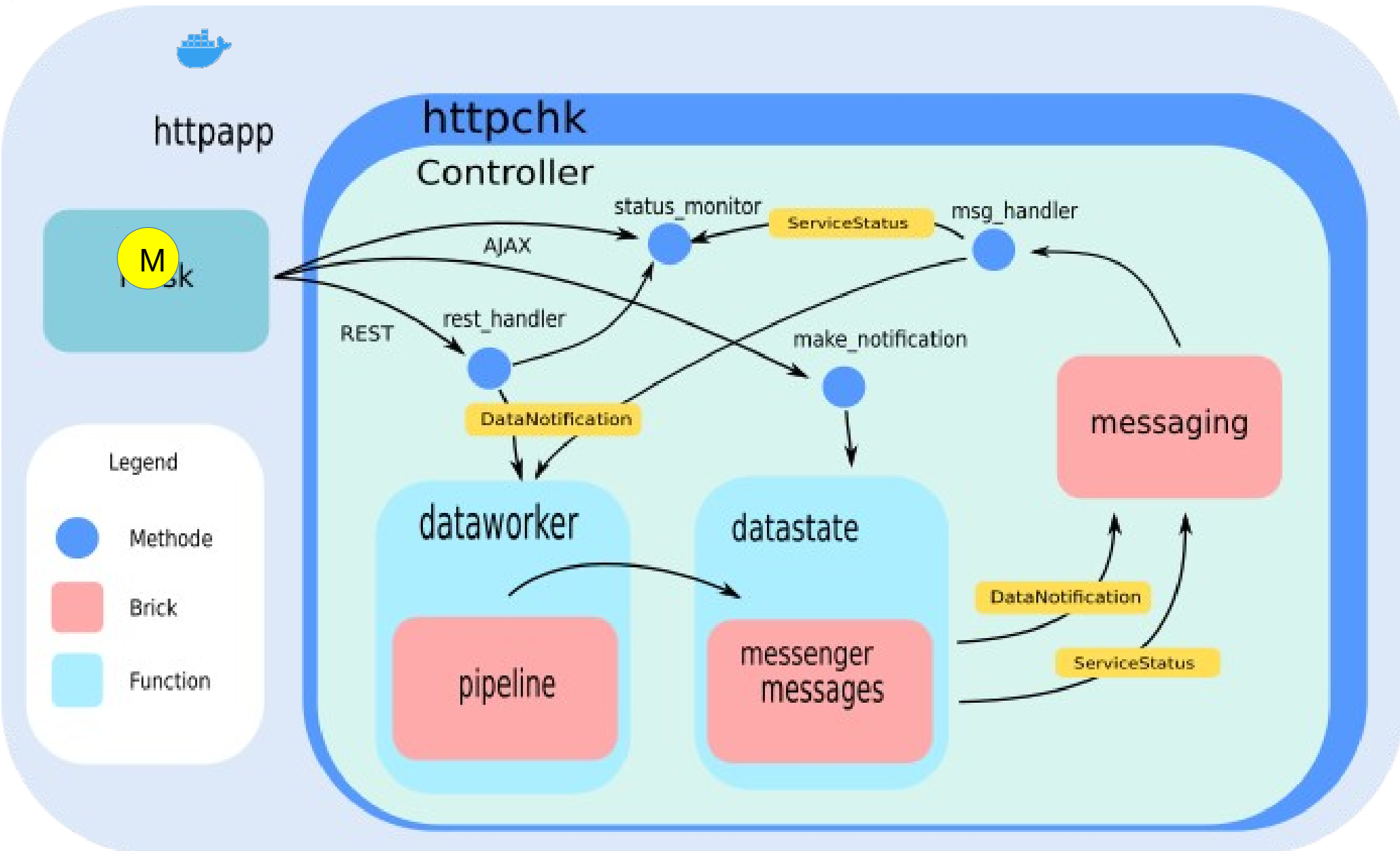
IRAP Toulouse :

Receive messages with resource_locator
http://somewhere/dataid/bandix_007





Use case : Make DataNotification





Use case : Send DataNotification



httpapp

httpchk
Controller

Flask

status_monitor

msg_handler

AJAX

ServiceStatus

REST

rest_handler

make_notification

DataNotification

messaging

Legend

● Methode

■ Brick

■ Function

dataworker

datastate

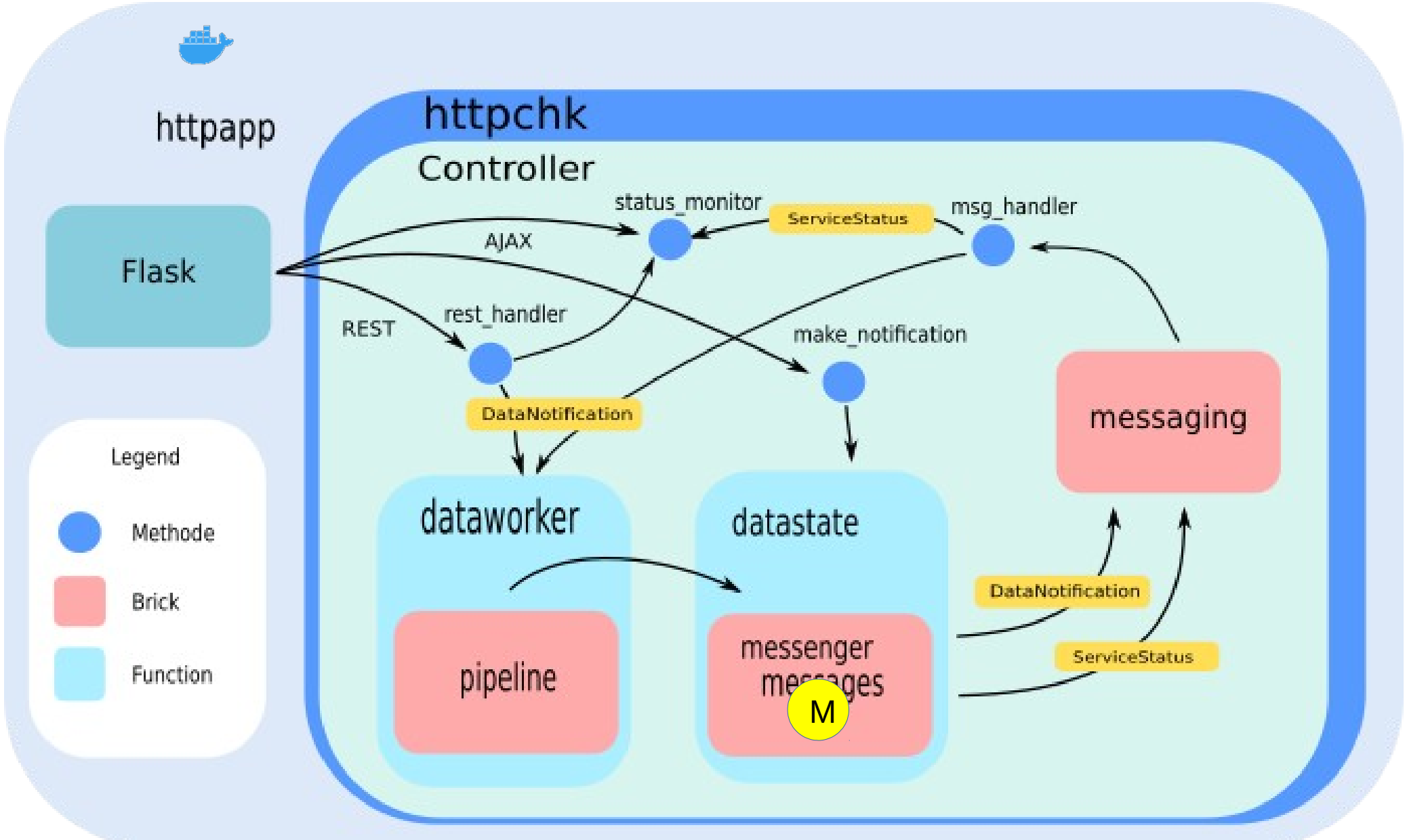
pipeline

messenger
messages

M

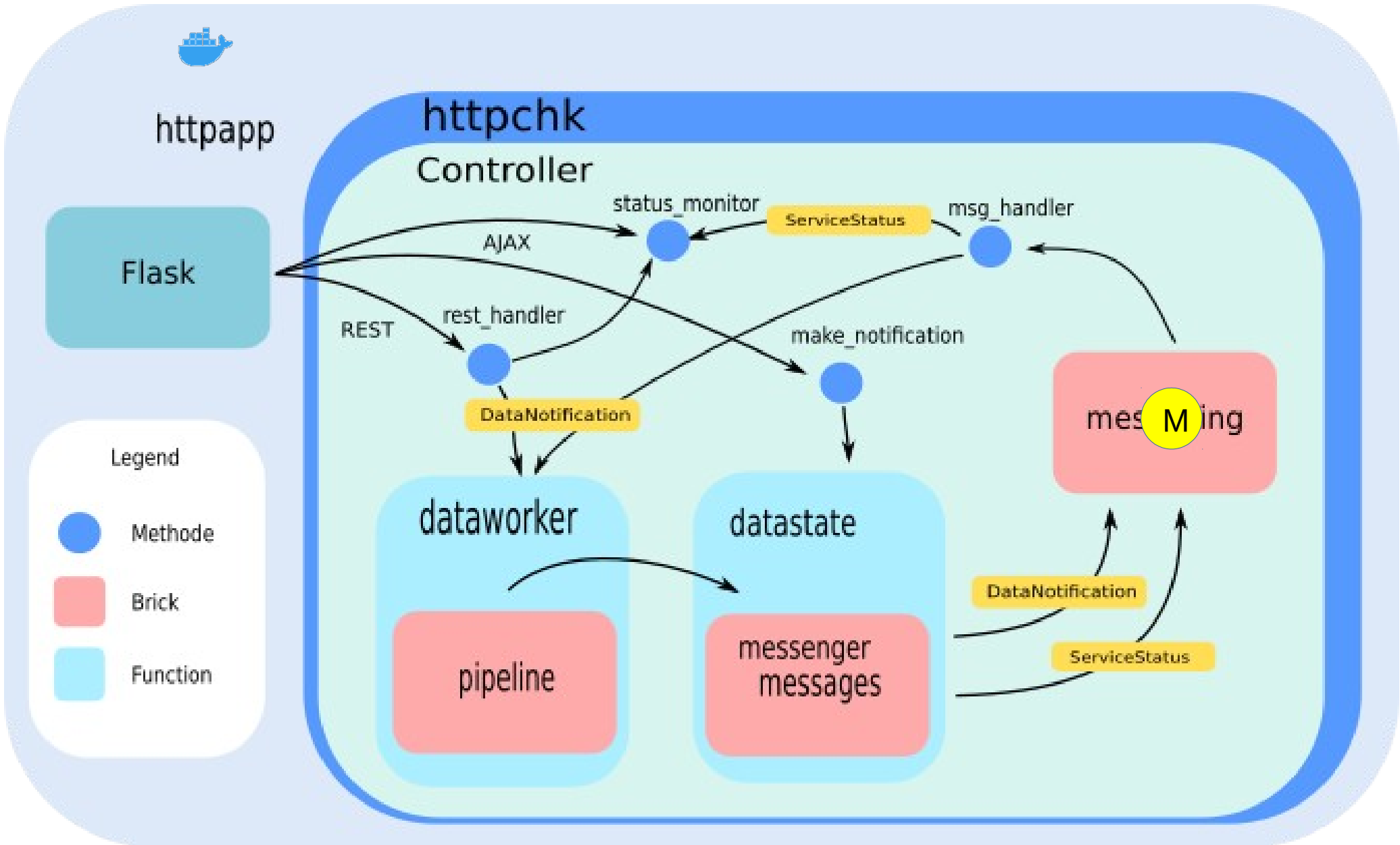
DataNotification

ServiceStatus





Use case : DataNotification received

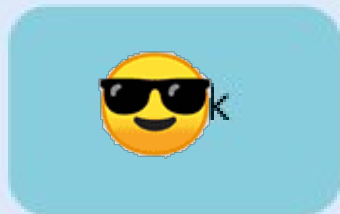




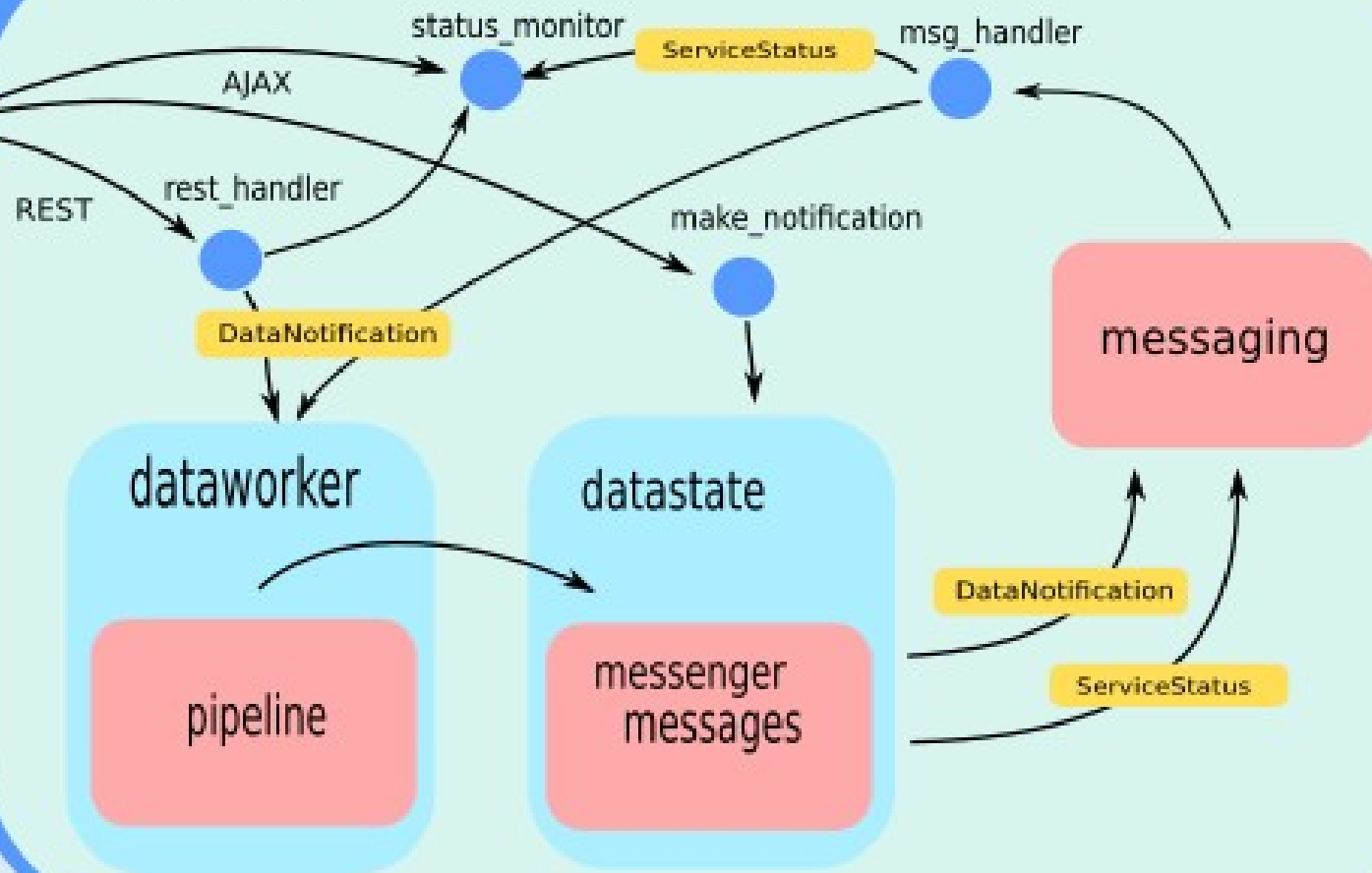
Use case : DataNotification received



httpapp



httpchk
Controller



Legend

- Methode
- Brick
- Function



Conclusion

Get NATS DataNotification in Container	<input checked="" type="checkbox"/>
Get REST DataNotification in Toulouse	<input checked="" type="checkbox"/>

