# 1. Information

user: tnthien

pass: K\*\*\*n\*\_71

domain: CodixFr

server spark: openfire.imxbr

get software: [\\10.8.21.4](file:///\\10.8.21.4)

Tùng, Truyền, Hoàng Đặng, anh Bình, Lợi on the left

access máy client must use IE browser

Important page: Main page, HR Centrer, Public App & Services, Clients` machines access, iMX - Applications access (REFFBG2), CTTS

Web internal: tervel.codixfr.private/wiki

http://cxtsbg2/MCD/search-all.html

# 2. First meeting with anh Hoang

(16:53) Hoang Van Dang: https://www.tutorialspoint.com/plsql/index.htm

(16:56) Hoang Van Dang: BOOK

(17:02) Hoang Van Dang: <https://tervel.codixfr.private/wiki/index.php/SOA_Interfaces_Project_matrix>

## Postman

chrome://apps/

sau đó chọn postman

user and pass postman on google chrome:

user: nguyenthienthuat92@gmail.com

pass: k\*\*\*n\*71

# 3. First task

Url get “HelloWorld”: <http://localhost:61682/hello-world>

Url get “Info”: <http://localhost:62737/info>

Cái này port nó tự auto generate

Tham khảo thêm link xem làm được không:

http://www.adeveloperdiary.com/java/spring-boot/create-restful-webservices-using-spring-boot/

1 vài spring bean mà chúng ta cần quan tâm:

– @Component: dùng cho những đối tượng không liên quan đến database, business logic hay presentation layer.

– @Repository: dùng cho những đối tượng liên quan đến database layer.

– @Service: dùng cho những đối tượng liên quan đến business logic layer.

– @Controller: dùng cho những đối tượng liên quan đến presentation layer.

@ComponentScan dùng để quét các bean này bỏ vào cửa sổ để cho chúng ta xài.

## Địa chỉ format json

<https://jsonformatter.org/>

Địa chỉ project:

lemon.codixfr.private:6002/soa\_ws

[http://molo:22215/imx\_services/jsondoc-ui.html?url=/imx\_services/jsondoc#](http://molo:22215/imx_services/jsondoc-ui.html?url=/imx_services/jsondoc)

http://molo:22215/imx\_services/

(16:07) Hoang Van Dang: ACP\_TEST\_12345XXZZ -> bỏ vào token service

LUDQT62B1X73BYXRD2XZU2KC5H6WYK3W

Test thành công:

V9404VWL50V4EZF9V53RIUXU1WXMAZCN

1402120013

Result:

[

{

"msgRefInfo": "B4002866",

"msgDat": "2014-03-24",

"msgFrom": "VECHEVA1 IVELINA CLIENT",

"msgTo": "ALISSA ALISSA",

"msgSubject": "Message from Customer",

"msgStatus": "N|N|N|N|N",

"casExRef": null,

"casRef": "1402120013",

"dbName": "DB BRA 1 %",

"creditorName": " E.G.W.M. VERSLEIJEN - HOUTAPPELS, GEB.: 04-11-1984 H/O HANDELSONDERNEMING EN INSTALLATIEBEDRIJF HOUTAPPELS"

},

{

"msgRefInfo": "B4002865",

"msgDat": "2014-03-24",

"msgFrom": "VECHEVA1 IVELINA CLIENT",

"msgTo": "ALISSA ALISSA",

"msgSubject": "Message from Customer",

"msgStatus": "N|N|N|R|N",

"casExRef": null,

"casRef": "1402120013",

"dbName": "DB BRA 1 %",

"creditorName": " E.G.W.M. VERSLEIJEN - HOUTAPPELS, GEB.: 04-11-1984 H/O HANDELSONDERNEMING EN INSTALLATIEBEDRIJF HOUTAPPELS"

},

{

"msgRefInfo": "B4000918",

"msgDat": "2014-02-13",

"msgFrom": "VECHEVA1 IVELINA CLIENT",

"msgTo": "ALISSA ALISSA",

"msgSubject": "Message from Customer",

"msgStatus": "N|N|N|R|N",

"casExRef": null,

"casRef": "1402120013",

"dbName": "DB BRA 1 %",

"creditorName": " E.G.W.M. VERSLEIJEN - HOUTAPPELS, GEB.: 04-11-1984 H/O HANDELSONDERNEMING EN INSTALLATIEBEDRIJF HOUTAPPELS"

},

{

"msgRefInfo": "B4000917",

"msgDat": "2014-02-13",

"msgFrom": "VECHEVA1 IVELINA CLIENT",

"msgTo": "ALISSA ALISSA",

"msgSubject": "Message from Customer",

"msgStatus": "N|N|N|A|A",

"casExRef": null,

"casRef": "1402120013",

"dbName": "DB BRA 1 %",

"creditorName": " E.G.W.M. VERSLEIJEN - HOUTAPPELS, GEB.: 04-11-1984 H/O HANDELSONDERNEMING EN INSTALLATIEBEDRIJF HOUTAPPELS"

},

{

"msgRefInfo": "B4000915",

"msgDat": "2014-02-13",

"msgFrom": "VECHEVA1 IVELINA CLIENT",

"msgTo": "ALISSA ALISSA",

"msgSubject": "Message from Customer",

"msgStatus": "N|N|N|R|N",

"casExRef": null,

"casRef": "1402120013",

"dbName": "DB BRA 1 %",

"creditorName": " E.G.W.M. VERSLEIJEN - HOUTAPPELS, GEB.: 04-11-1984 H/O HANDELSONDERNEMING EN INSTALLATIEBEDRIJF HOUTAPPELS"

}

]

Hình như list\_message là table g\_individu

Cái này làm chương trình hơi chậm thì phải, có gì check lại sau:

org.springframework.jdbc.datasource.DataSourceUtils - Fetching JDBC Connection from DataSource

## cusExRef

cusi.refext cusExRef

g\_individu cusi

TEST\_GNAC3YKW2JA2002697

Summary:

cusExRef = g\_individu.refext = cusi.refext

## cusName

AND (? IS NULL OR cusi.nom LIKE ?) " + //-- 'cusName'

## casRef

AND (? IS NULL OR elem.refdoss LIKE ?) " + //-- 'casRef'

t\_elements elem

## msgBoxDirIn

" AND (? IS NULL OR msg.encodeur LIKE ?) " + //-- 'msgBoxDirIn'

msg.encodeur msgTo " +

g\_information msg " +

Summary:

msgBoxDirIn = g\_information.encodeur = msgTo = msg.encodeur

## msgBoxDirOut

AND (? IS NULL OR msg.refemetteur LIKE ?) " + //-- 'msgBoxDirOut'

msg.refemetteur msgFrom " +

## msgFromDat

AND (? IS NULL OR msg.dtsaisie\_dt >= to\_date(?, ?)) " + //-- 'msgFromDat'

## msgSearchBy

## msgUnread

AND (? IS NULL OR nvl(msg.typedoc, ?) = ?) " + //-- 'msgUnread'

## 2. msgRefInfo

msgRefInfo = g\_information.refinfo

## 3. casExRef

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| external case reference of the involved party | Case reference perceived in the system of the involved party | reference du dossier chez l'intervenant | Référence du dossier dans le système amont. | T\_INTERVENANTS.REFDOSSEXT | Number (10) |  |

**casExRef = t\_intervenants.refdossext**

## 4. msgDat

**msgDat = g\_information.dtsaisie\_dt**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Message date | Date of the message | Date message | Date à laquelle le message a été envoyé | G\_INFORMATION.DTSAISIE\_DT | Date |  | e\_vimes |

## 5. msgFrom

**msgFrom = g\_information.refemetteur**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sender | Message sender | Emmeteur | Emmeteur du message | G\_INFORMATION.REFEMETTEUR | Characters (20) |

Diagram:

http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel\_Standard\_MCD\_MPD\_files/Mult10648.htm#1

## 6. msgTo ?

## 7. Subject

**msgSubject = g\_information.libelinfo**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Subject | Display of message subject | Sujet | Indique le sujet du message | G\_INFORMATION.LIBELINFO | Characters (20) |  |

# 4. Meeting with Hoang about Column – Mapping – Java Object

\*\*\* Hoang Van Dang is online at 2:09 PM

\*\*\* Hoang Van Dang is online at 2:10 PM

(14:15) Hoang Van Dang: http://cxtsbg2/MCD/search-all.html

(14:30) Hoang Van Dang: \* g\_dossier: case: ho so/contract:

FPT: nha em: mang internet: case: g\_dossier: refdoss,

VCB: goole: vay tien: debtor case: iMX CODix

COdix - VCB: client case: g123

COdix google: debtor case: g\_dossier.

\* VCB, Google: g\_individu: name, modbile, asddress. moraphy: "L", Thuat: "P"

\* Account: vcb/1234: login, password: g\_personel

\* t\_intervenants: refdoss = g123, refinidivu = vcb123,

\* g\_information: message: refelem

refindividu, refdoss ...

(14:41) Hoang Van Dang: ##############

(14:41) Hoang Van Dang: SELECT \* FROM g\_information;

SELECT t\_intervenants.refdossext

FROM t\_intervenants;

SELECT gi.refinfo msgRefInfo

, ti.refdossext casExRef

FROM g\_information gi

, t\_intervenants ti

WHERE 1 = 1

--AND gi.abc = ti.xyz

;

SELECT gi.refinfo msgRefInfo

, gi.dtsaisie\_dt msgDat

-- more

, gi.libelinfo title

, gi.libreinfo "content"

FROM g\_information gi

WHERE 1 = 1

--AND gi.abc = ti.xyz

--AND refinfo = 'A4000043'

;

SELECT \*

FROM g\_information gi

, g\_indivifu

WHERE 1 = 1

--AND gi.abc = ti.xyz

AND refinfo = 'A4000043'

# Message – G\_INFORMATION

message là G\_INFORMATION

## Relation:

<http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15892.htm>

## T\_ELEMENTS.REFELEM=G\_INFORMATION.REFINFO

Evidence: <http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15072.htm>

|  |  |  |
| --- | --- | --- |
| [G\_INFORMATION](http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult11537.htm#9071) | [G\_INFORMATION](http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult11537.htm#9071) | Table of all the information (t\_elements.typeelem='in') of cases |

## T\_ELEMENTS.REFDOSS=G\_DOSSIER.REFDOSS

Evidence:

<http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15071.htm>

## T\_INTERVENANTS.REFDOSS=G\_DOSSIER.REFDOSS

<http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15206.htm>

## [T\_INTERVENANTS.REFDOSS=G\_DOSSIER.REFDOSS](http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15234.htm#38637)

<http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15234.htm#38637>

## T\_INTERVENANTS.REFINDIVIDU=G\_INDIVIDU.REFINDIVIDU

<http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult15235.htm#38640>

# MessageResponse

# RELATION

T\_ELEMENTS và T\_INTERVENANTS:

Hiện tại ở message thì sử dụng REFDOSS

Ngoài ra có các column cùng tên như sau:

REFEXT

CREATEUR

DT\_MAJ\_DT

IMX\_UN\_ID

DW\_TIMESTAMP

DW\_ACTION

DW\_USER

REFDOSS

REFELEMFI

MONTANT

NOM

# Example

1. MessagesController.listMessages

2. MessagesService.getMessages

3. MessagesDAO.getMessages(request)

4. MessagesDAO.searchMessages(request)

5. MessagesDao.loadMessagesDetail(request)

# 5. First review with Hoang

\_ test data compare to molo

\_ write test scenarios

\_ json doc

\_ run messages project ok

run clean, compile, package, install ok, unit test (messageTest)

\_ Artifactory

<http://artifactory.codixfr.private/artifactory/webapp/login.html?1>

other link:

<http://lemon:6002/soa/imxlib/frameworks/springboot_ws/>

[http://molo:22212/ecom/jsondoc-ui.html?url=/ecom/jsondoc#](http://molo:22212/ecom/jsondoc-ui.html?url=/ecom/jsondoc)

# 6. Jsondoc Api

Jsondoc là api giao diện open source có thể apply cho spring boot.

Tuy nhiên ở Codix tự config lại.

<http://jsondoc.org/how-to-spring-boot.html>

# 7. Sql cũ

String sql = "" +

" SELECT elem.refdoss casRef " +

" , msg.refinfo msgRefInfo " +

" , cusi.refext cusExRef " +

" , cusi.nom creditorName " +

" , dbi.nom dbName " + ? cái này với cusi.nom có vấn đề

" , msg.dtsaisie\_dt msgDat " +

" , msg.refemetteur msgFrom " +

" , msg.encodeur msgTo " +

" , msg.libelinfo msgSubject " +

" , msg.typedoc isRead " + của mình là msgUnread

" , msg.fg\_urgent isUrgent " +

" , msg.fg\_important isImportant " +

" , msg.str\_10\_1 isReplyReq " +

" , msg.typemetteur isAttachment " +

" FROM g\_information msg " +

" , t\_elements elem "

" , t\_intervenants customer “

" , g\_individu cusi " +

" , t\_intervenants debtor " +

" , g\_individu dbi " +

" WHERE 1 = 1 " + //standard selection

" AND (? IS NULL OR cusi.nom LIKE ? " + //-- 'cusName' - request.getCusName(),request.getCusName()

" AND (? IS NULL OR cusi.refext LIKE ?)" + //-- 'cusExRef' request.getCusExRef(),request.getCusExRef()

" AND (?IS NULL OR elem.refdoss LIKE ?" + //-- 'casRef' request.getCasRef(),request.getCasRef()

" AND (? IS NULL OR msg.encodeur LIKE ?) " + //-- 'msgBoxDirIn', request.getMsgBoxDirIn(), request.getMsgBoxDirIn()

" AND (? IS NULL OR msg.refemetteur LIKE ?) " + //-- 'msgBoxDirOut'

request.getMsgBoxDirOut(), request.getMsgBoxDirOut()

" AND (? IS NULL OR msg.dtsaisie\_dt >= to\_date(?, ?)) " + //-- 'msgFromDat'

request.getMsgFromDat()

request.getMsgFromDat(),

"YYYY-MM-DD"

" AND (? IS NULL OR msg.dtsaisie\_dt < to\_date(?, ?) + 1) " + //-- 'msgToDat'

request.getMsgToDat(), request.getMsgToDat(), "YYYY-MM-DD"

" AND (? IS NULL OR nvl(msg.typedoc, ?) = ?) " + //-- 'msgUnread'

request.getMsgUnread(), "N", request.getMsgUnread()

" AND 1 = 1 " + //-- 'msgSearchBy' & 'msgFilter'

" AND (? IS NULL OR ((? = ? AND msg.refemetteur LIKE ?) " + //from

" OR (? = ? AND msg.encodeur LIKE ?) " + //to

" OR (? = ? AND msg.libelinfo LIKE ?) " + //subject

" OR (? = ? AND ( elem.refdoss LIKE ? " + //case

" OR msg.refext2 LIKE ?)) " +

" OR (? = ? AND dbi.nom LIKE ?))) " + //debtor

" AND 1 = 1 " + //combination section

" AND customer.reftype = ? " + //CL

" AND customer.refindividu = cusi.refindividu " +

" AND elem.refdoss = customer.refdoss (+) " +

" AND 1 = 1 " +

" AND debtor.reftype = ? " + //DB

" AND debtor.refindividu = dbi.refindividu " +

" AND elem.refdoss = debtor.refdoss (+) " +

" AND 1 = 1 " +

" AND elem.typeelem = ? " + //ms

" AND elem.refelem = msg.refinfo " +

" ORDER BY elem.refdoss, msg.dtsaisie\_dt DESC NULLS LAST ";

Object[] params = **new** Object[]{

//standard selection

, , ,

//msgSearchBy & filter section

, request.getMsgSearchBy()

, "from", request.getMsgSearchBy(), request.getMsgFilter()

, "to", request.getMsgSearchBy(), request.getMsgFilter()

, "subject", request.getMsgSearchBy(), request.getMsgFilter()

, "case", request.getMsgSearchBy(), request.getMsgFilter(), request.getMsgFilter()

, "debtor", request.getMsgSearchBy(), request.getMsgFilter()

//combination section

, "CL", "DB", ELEM\_TYPE\_MESSAGE

};