# Information

http://molo:22212/ecom/jsondoc-ui.html?url=/ecom/jsondoc

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"

}

]

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

request.getMsgSearchBy()

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

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

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

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

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

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

" OR msg.refext2 LIKE ?)) " +

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

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

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

" AND 1 = 1 " + //combination section

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

"CL",

" AND customer.refindividu = cusi.refindividu " +

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

" AND 1 = 1 " +

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

, "DB",

" AND debtor.refindividu = dbi.refindividu " +

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

" AND 1 = 1 " +

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

ELEM\_TYPE\_MESSAGE

" AND elem.refelem = msg.refinfo " +

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

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

//standard selection

, , ,

//msgSearchBy & filter section

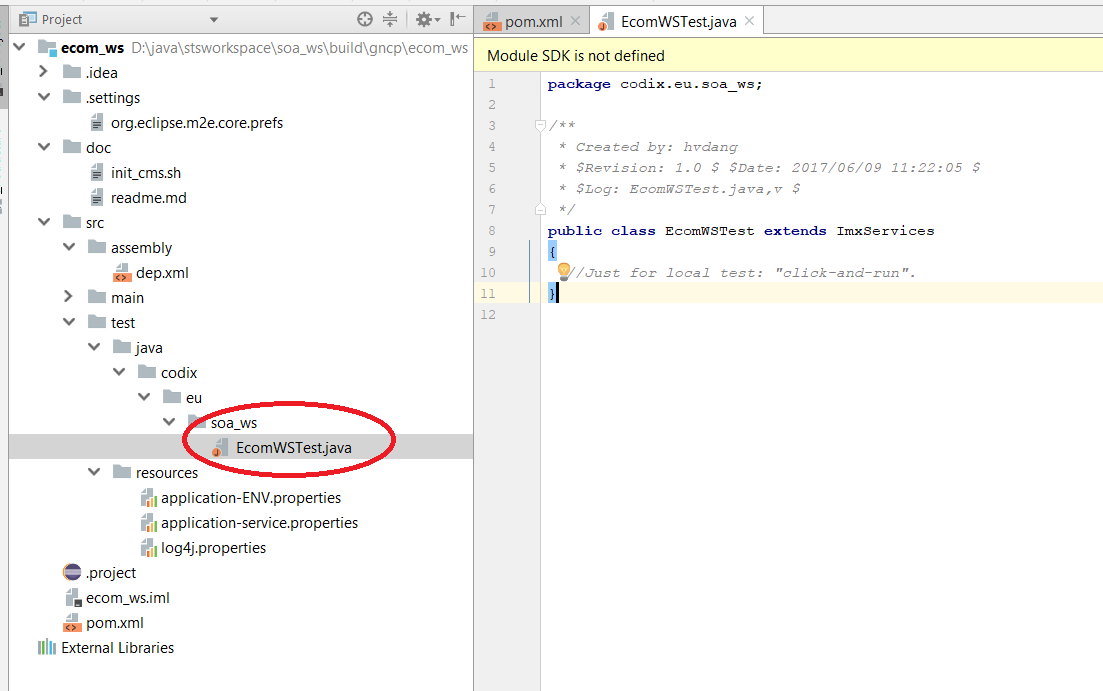
,

, ,

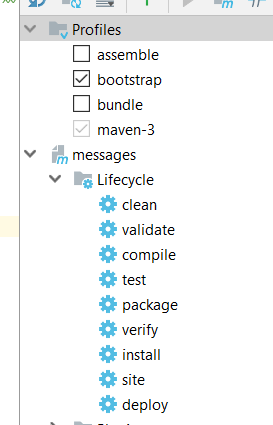
, , , //combination section

};

# 8. Third meeting a.Hoang:



hải xóa hết mấy cái dependencies trong project này, bỏ dependency của mình (list\_message) vào và chạy cái khoanh đỏ thành công



Deploy là đẩy file jar lên codix repository

Profile bundle làm được hiện tại, theo anh Hoàng thì assemble chưa làm được, cần tìm hiểu chỗ này

Phải bỏ mấy cái controller xuống phần test

Phải tách mấy cái config properties xuống phần test

# 9. Change shortcut IntelliJ

Ctrl+Alt+S

Right click and add shortcut key…

# 10. Deploy

Pass booj account for book server: Sofia

Deploy khi connect bằng secureCrt thành công, vào thư mục của mình rồi gõ:

java –jar

