# Information

SOAI-273

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/

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) |  |

## New bug

cp  $IMX\_HOME/prog\_j/gnpf/interfaces/src/shell\_scripts/credit\_score\_wsc $IMX\_HOME/src/credit\_score\_wsc

$IMX\_HOME/prog\_j /interfaces/src/shell\_scripts

Địa chỉ trên project là:

$IMX\_HOME/prog\_j/gnpf/interfaces/**credit\_score\_wsc**/src/shell\_scripts/**credit\_score\_wsc**

Nghĩa là khi copy cần bỏ cái credit\_score\_wsc folder ra. Chả hiểu tại sao.

# 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>

## t\_elements.refelem = g\_elemfi.refelem

# 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

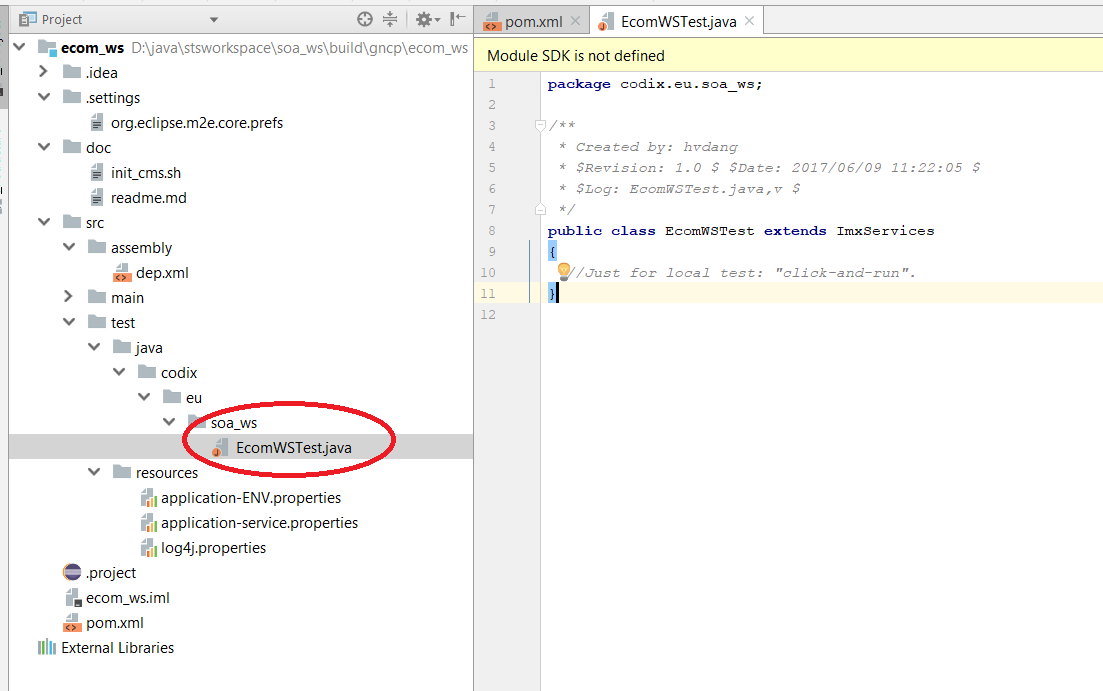
,

, ,

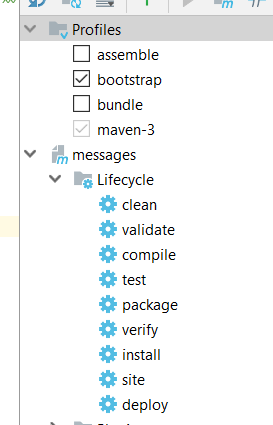
, , , //combination section

};

# 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

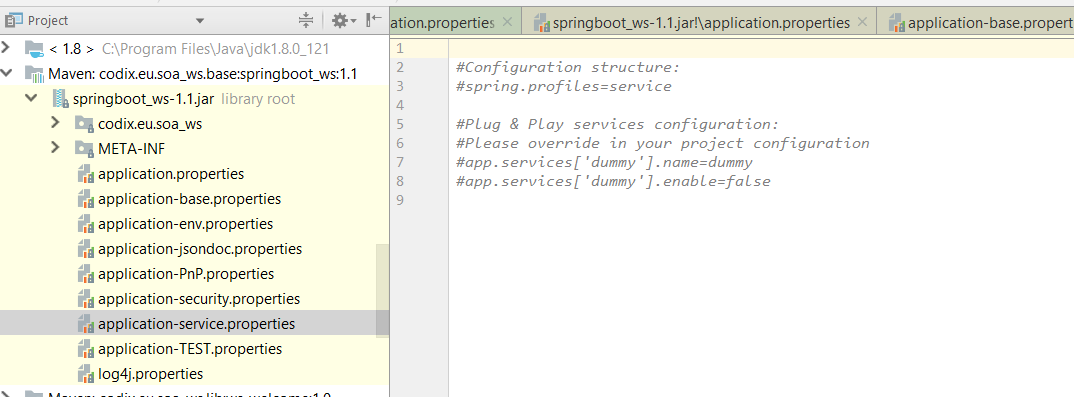
Right click and add shortcut key…

# 10. Deploy

Pass booj account for book server: Sofphia

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

java –jar



/usr/java/jdk1.8.0\_121/bin/./java –jar list\_messages-1.0.5-SNAPSHOT.jar

/usr/java/jdk1.7.0\_80/bin/./java -jar list\_messages-1.0.5-SNAPSHOT.jar

# 11. Build 1 cục jar chung

<build>

<plugins>

<plugin>

<artifactId>maven-assembly-plugin</artifactId>

<configuration>

<archive>

<manifest>

<mainClass>fully.qualified.MainClass</mainClass>

</manifest>

</archive>

<descriptorRefs>

<descriptorRef>jar-with-dependencies</descriptorRef>

</descriptorRefs>

</configuration>

</plugin>

</plugins>

</build>

and you run it with

mvn clean compile assembly:single

# 12. Theo kiểu repackage của tung

<**build**>  
 <**plugins**>  
 <**plugin**>  
 <**groupId**>org.springframework.boot</**groupId**>  
 <**artifactId**>spring-boot-maven-plugin</**artifactId**>  
 <**version**>1.5.6.RELEASE</**version**>  
 <**configuration**>  
 <**mainClass**>codix.eu.soa\_ws.ImxServices</**mainClass**>  
 </**configuration**>  
 <**executions**>  
 <**execution**>  
 <**goals**>  
 <**goal**>repackage</**goal**>  
 </**goals**>  
 </**execution**>  
 </**executions**>  
 </**plugin**>  
 </**plugins**>  
</**build**>

# 13. execute trên linux:

Oftentimes, we use SSH to remote access into the server to run a Java program. The problem is, we can’t type anything After the Java program is executed like this :

$ java -jar example.jar

In addition, when the remote access session is expired or terminated, the executed Java program will be killed.

## **Solution**

**To fix it**, append a & symbol to the end of the command, it executes the Java program in the background, and continue until it finished.

$ java -jar example.jar &

If the above command get killed when you leave the SSH session, try to add nohup in front.

$ nohup java -jar example.jar &

# 14. group chat slack

<https://codix-wspace.slack.com/messages>

[tnthien@codix.eu](mailto:tnthien@codix.eu)

k\*\*un\*7\*

# 15. soa\_ws-clone

# 16. note commit

TTS KEY\*: ACPDEV-2119: Fix "cusInformMe", "cusPaymPlan" and "cusMailCopy"

FUNC CHANGES\*: No

+ 123

+ 345

TECH CHANGES\*: Fix "cusInformMe", "cusPaymPlan" and "cusMailCopy"

+ The boolean value in DB should be "O", "N" instead of 1/0, true/false.

# 17. CMS

<https://tervel.codixfr.private/wiki/index.php/Using_CMS_configuration_in_PAS_Team>

<https://sauron.imxbg/jira/secure/attachment/2625170/soa_ws_project.pptx>

get variable:

$IMX\_SYSADM/cms/get\_variable

list ra cac variable:

$IMX\_SYSADM/cms/list\_variables

cat $IMX\_CLT/cms/rsp/instance.rsp

Trong cái trainning mình đã xét port như sau:

PORT\_TRAINING\_iMX\_Interface\_MS='11113'

$IMX\_HOME/bin/install\_std\_pas\_module.sh $IMX\_HOME/tmp/ecom\_ws-1.6.8-SNAPSHOT-bin.zip ecom\_ws

netstat –tulnp | grep :11113

unix: netstat -ano|grep 443|grep LISTEN

netstat -ano|grep 8970|grep LISTEN

netstat -ano|grep 11111|grep LISTEN

$IMX\_SYSADM/cms/resolve\_template

ecom\_ws status

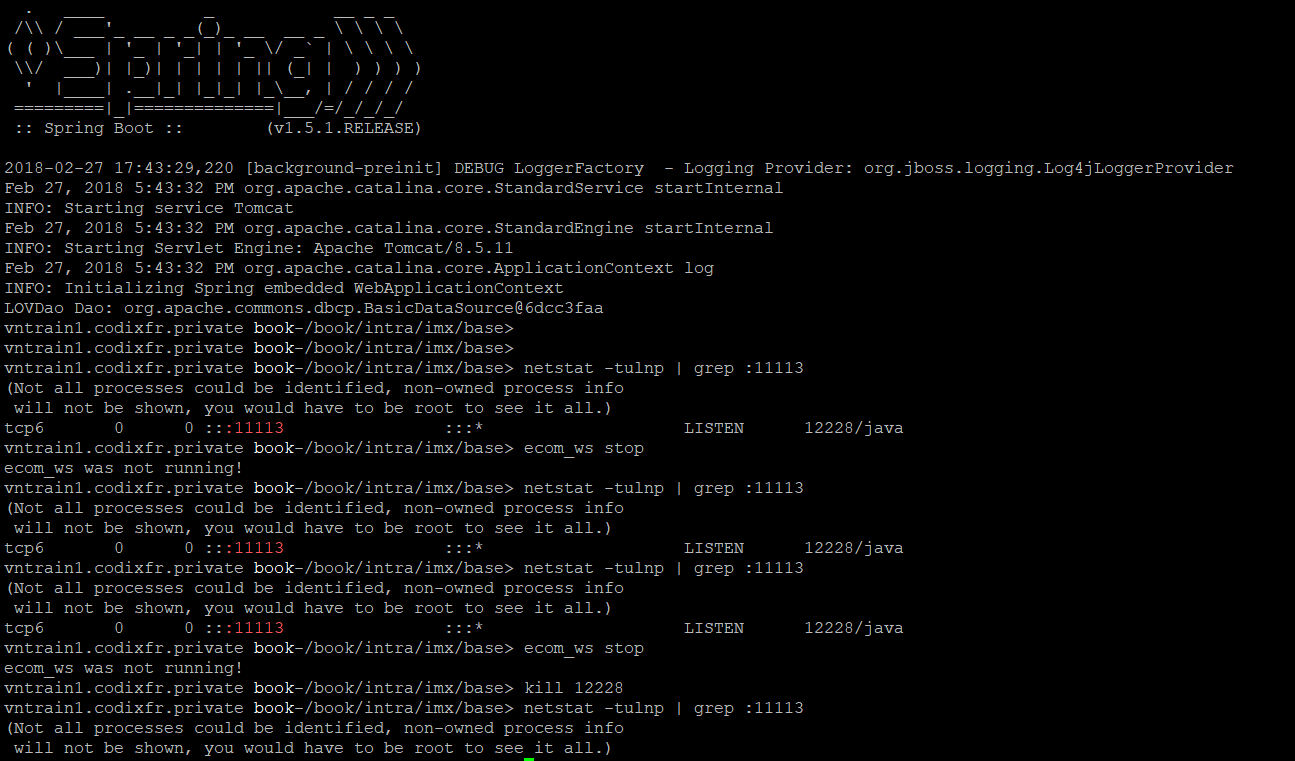
ecom\_ws start

$IMX\_SYSADM/cms/deploy\_config

ecom\_ws stop

neu cai ben tren khong chay:

kill 12228



# 18. user profile variable

%userprofile%

# 19. Repository for training tnthien

<http://lemon.codixfr.private:6002/soa/temp/training/tnthien/>

# 20. First task

FUP//ATRADIUS ICP - credit\_score\_wsc still running with Java 5

<https://sauron.imxbg/jira/browse/APFFUP-1650>

1. Check out

2. Check code

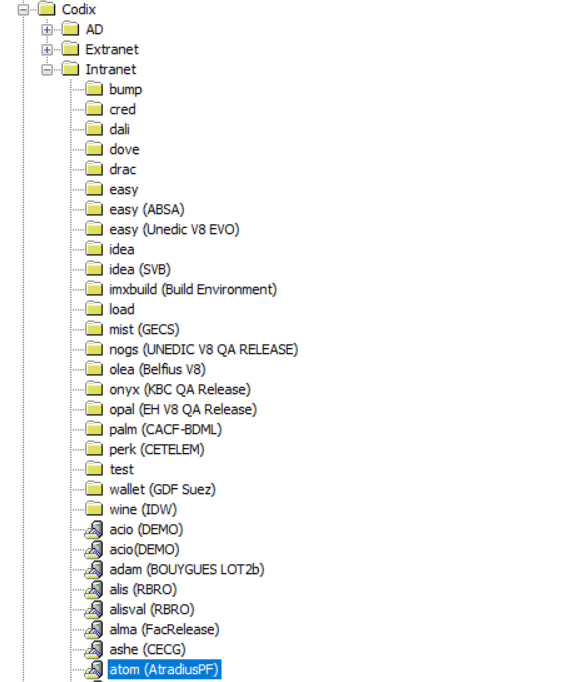
3. Update

4. Deploy

5. Test

6. Send PR

Server để test: atom



Wiki anh Loi gửi:

<https://new-wiki.imxbg/wiki/index.php/FTR_disp2imx>

credit\_score\_wsc stop

credit\_score\_wsc status

credit\_score\_wsc start

## Log:

/atom/intra/imx/interfaces/credit\_score\_wsc/log

## 20.1 Server atom

$IMX\_HOME = /atom/intra/imx/base

$IMX\_SYSADM = $IMX\_HOME/sysadm , cái này phải echo nó mới ra

$IMX\_INTERFACES = /atom/intra/imx/interfaces

$IMX\_CLT = /atom/intra/imx/imxclt

# 20.1 New bug

Searching 241 files for "interface not running or"

D:\cvs\prog\_j\gnpf\interfaces\credit\_score\_wsc\src\main\pl\ws\_pf.pck:

253 /\* then we check if the request has been picked up at all by the java part \*/

254 DEQUEUE\_REQUEST(cached\_handle, 0);

255: RAISE\_APPLICATION\_ERROR(-20200, 'Interface not running or too busy. Try again later.');

256 EXCEPTION

257 WHEN timeout\_e OR nomsg\_e THEN

1 match in 1 file

## Câu query chạy package:

DECLARE

l\_positive\_results DOUBLE\_VARRAY\_5;

BEGIN

l\_positive\_results := WS\_PF.getScoreLgd(lgdChpatMthsSinceLastReaDoss => 123

, lgdCreanceTotale => 123

, lgdDbAdresseDepuisM => 123

, lgdDbEmployeurDepuisM => 123

, lgdMeanAcc24ME1 => 123

, lgdOcMthsSinceLastReaDoss => 123

, lgdProfessionTerNew => '123'

, lgdPropCh5E1 => '123'

, lgdRChargpretsaisiDoss => 123

, lgdRSale2Smo => 123);

END;

Địa chỉ patch:

icpimxdev imxdev-/imxdev/patch/DmPatch20180306\_1>

/imxdev/base/src

# 21. Check out cái credit\_score\_wsc

Browse cvs repository

prog\_j -> gnpf -> interfaces ->credit\_score\_ws

# 22. Machine access

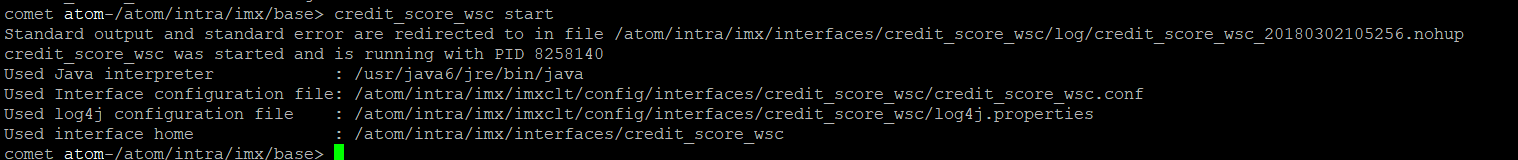
https://tervel.codixfr.private/wiki/index.php/Clients%60\_machines\_access#Atradius\_PF

*[[ -f $IMX\_CLT/config/interfaces/${interface\_name}/${interface\_name}.env ]] && . $IMX\_CLT/config/interfaces/${interface\_name}/${interface\_name}.env*

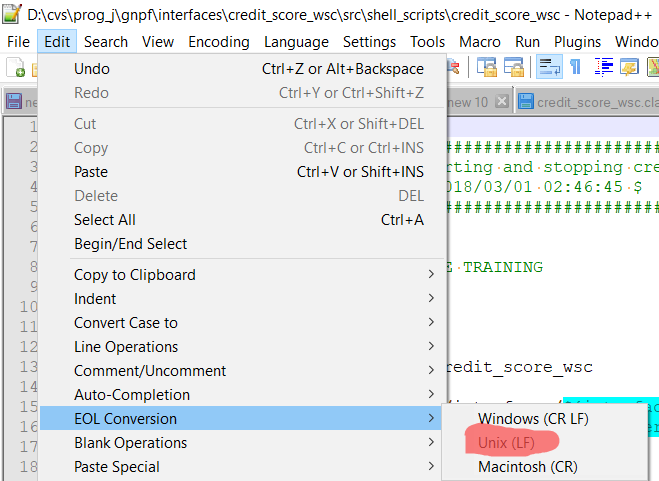
*JAVA\_CMD=${JAVA\_CMD:-/usr/java6\_64/jre/bin/java}*

And then create the proper CMS template for “$IMX\_CLT/config/interfaces/${interface\_name}/${interface\_name}.env” and set the variable with Java 6 64bit.

Chạy được hardcode:



# 23. : No such file or directory



# 24. Green light – chat với anh Loi

15:14) Thuat Thien Nguyen: send for GL là làm gì a?

(15:14) Loi Huu Mai: Green Light e

(15:14) Loi Huu Mai: GL là accept của PC

(15:15) Loi Huu Mai: để tạo PR

(15:15) Loi Huu Mai: em gửi PR tới PC

(15:15) Loi Huu Mai: PC accept GL

(15:15) Loi Huu Mai: thì mới deploy đc

(15:15) Loi Huu Mai: Green light là accept flag

(15:16) Thuat Thien Nguyen: vậy giờ e phải làm gì?

(15:16) Thuat Thien Nguyen: em thấy trên patch có chữ: waiting for green llight

(15:17) Loi Huu Mai: lấy cái link gửi cho con PC

(15:17) Loi Huu Mai: nói nó give GL

(15:18) Thuat Thien Nguyen: trong mail của em con PC là Nina Koshinska hả a?

(15:18) Loi Huu Mai: anh có thấy email của em đâu

(15:19) Thuat Thien Nguyen: trong cái mail Ivaylo Grebenarov gửi ak

(15:19) Loi Huu Mai: em lên wiki

(15:19) Thuat Thien Nguyen: à em thấy rồi

(15:19) Loi Huu Mai: tìm project information

(15:19) Loi Huu Mai:

ignored text

(15:20) Loi Huu Mai: lần sau hỏi là hỏi làm sao để biết ai là PC

(15:20) Loi Huu Mai: chứ hog có hỏi là PC là ai

(15:20) Loi Huu Mai:

(15:20) Thuat Thien Nguyen: dạ

(15:21) Loi Huu Mai: ok v e gửi nó đi

(15:21) Thuat Thien Nguyen: nội dung mail nói sao anh?

Can you help me to give GL?

(15:21) Thuat Thien Nguyen: Vậy thôi hả anh?

(15:22) Loi Huu Mai: ohm e

(15:22) Thuat Thien Nguyen: dạ I got it

(15:22) Thuat Thien Nguyen: thank a so much

(15:22) Loi Huu Mai: you are welcome

# 25. Second task

## Ctts:

<https://sauron.imxbg/jira/browse/KBCCFFUP-3831>

Info: <https://new-wiki.imxbg/wiki/index.php/FTR_imx2creq>

KBC là ONYX

Server test for dev:

gen$huis/password@BUSH:10130/BUSH

nơi tồn tại ftr\_imx2creq.sh của cả bush và nogs đều giống nhau:

/bush/intra/imx/base/src/ftr\_imx2creq.sh

nơi tồn tại ftr\_imx2creq của cả bush và nogs đều giống nhau:

/bush/intra/imx/base/src/ftr\_imx2creq

## Log file

View log không thấy được gì cả

/bush/intra/imx/interfaces/imx2creq/log

find . -name testfile.txt

## Thử tìm hiểu cái chạy được ftr\_imx2coda

Log: /bush/intra/imx/interfaces/imx2coda/log

Cái này trên bush vẫn có log

/nogs/intra/imx/interfaces/imx2coda/log

Nogs có log

## ftr\_scan2imx

/bush/intra/imx/interfaces/scan2imx/log

Bush có log

/nogs/intra/imx/interfaces/scan2imx/log

nogs có log

# 26. Meeting first day at codix Bul

Boris

Interface (CRS number):

\_ 1 result = EASY\_NBR

\_ n results

\_ 0 result

Fetch API

Easy\_proxy = NUGA

EASY\_NUMBER has 14 digits

ESTAB\_NUMBER has 19 digits

main has all fields

remove is always true

never remove is false (unsubscribe)

search api: only on internal (false) or external (true)

company never and ever involved party

Step for development:

1. validation

2. body

3. text

# 27. Third task

final String sql = "" +

"SELECT bankA.numiban iban\_number " +

" , gd.refhierarchie account\_product\_id " +

" , gd.devise account\_currency " +

" , gd.soldedb\_dos balance\_amount " +

" FROM g\_dossier gd " +

" , g\_individu gi " +

" , g\_domiciliation bankA " +

" , t\_intervenants ti " +

" WHERE gd.refhierarchie = ? " +

" AND bankA.numiban = ? " +

" AND gd.devise = ? " +

" AND bankA.refindividu = gi.refindividu " +

" AND ti.refdoss = gd.refdoss " +

" AND ti.refindividu = gi.refindividu " +

"";

Iban\_number cũ là g\_domiciliation.numiban

Start:

rer\_simulation start

iskar udal-/udal/intra/imx/base/tmp> rer\_simulation status

http://lemon:6002/soa/fiducre/assemblies/rer\_simulation/

## Relation

## G\_PIECE.REFDOSS=G\_DOSSIER.REFDOSS

<http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult14551.htm>

bonus:

G\_PIECE.REFDOSS=G\_DOSSIER.REFDOSS=t\_elements.REFDOSS

### **G\_PIECE.STR16=G\_INDIVIDU.REFINDIVIDU**

http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel\_Standard\_MCD\_MPD\_files/Mult14579.htm

Comment:

TTS KEY\*: FIDDEV-601: update 2 fields "iban\_number" and "account\_product\_id"  
FUNC CHANGES\*: No  
TECH CHANGES\*: update 2 fields "iban\_number" and "account\_product\_id"  
+ Change "iban\_mumber" from table "g\_domiciliation" to "g\_piece"  
+ Change "account\_product\_id" from table "g\_dossier" to "g\_piece"

\_ plugin:

Prepare

Perform

Nếu không được thì clean, prepare lại cho tăng version, sau đó perform

Chú ý maven

Tạo cái patch copy file jar trên batch gì đó.

Process với assignee đúng người

Chạy package:

DECLARE

l\_positive\_results NUMBER := 0;

BEGIN

l\_positive\_results := fdr\_soa\_rer.getCaseBalance(

p\_iban\_number => 'BE5506360598'

, p\_account\_product\_id => 'CPT778823094'

, p\_account\_currency => 'EUR');

dbms\_output.put\_line('l\_positive\_results -> ' || l\_positive\_results);

END;

Nhấn f8 và chạy

Chạy được:

## New bug

Chạy báo lỗi:

DECLARE

l\_positive\_results NUMBER := 0;

BEGIN

l\_positive\_results := fdr\_soa\_rer.getCaseBalance(

p\_iban\_number => 'BE908745782'

, p\_account\_product\_id => 'CT8949383494'

, p\_account\_currency => 'EUR');

dbms\_output.put\_line('l\_positive\_results -> ' || l\_positive\_results);

END;

Chạy được:

DECLARE

l\_positive\_results NUMBER := 0;

BEGIN

l\_positive\_results := fdr\_soa\_rer.getCaseBalance(

p\_iban\_number => 'BE5506360598'

, p\_account\_product\_id => 'CPT778823094'

, p\_account\_currency => 'EUR');

dbms\_output.put\_line('l\_positive\_results -> ' || l\_positive\_results);

END;

Done in 0.5s  
msg enqueued; corr\_id: 295 message\_id: 675C3195B32C5619E053F7CA09C0290B delay: 0

waiting 7s on response queue for responce msg with corr\_id: 295

succeed msgid: 675FA61E27DF6E97E053F7CA09C0D149

payload DEBUG -> 1

l\_positive\_results -> 1

### Log destination

/udal/intra/imx/interfaces/imx2rer\_getcasbal/log

### Flow

CaseBalance:

\_ doWork()

\_ validateResponse()

\_ processResponse()

CaseBalanceDAO:

\_ updateAccount()

## infor

select count(1) from g\_elemfi; --34281

select count(1) from g\_elemfi; --34281

select count(1) from g\_elemfi where refdoss='1802010064'; --3

A8018VHT

A8018VIE

A8018WKP

## Check error E\_CTRL

select \* from t\_log where interface like '%rer%' order by datetrait desc; --Kiểm tra interface có chạy hay không

select \* from t\_log where interface like '%rer%' and DATETRAIT like '21-MAR-18';

select \* from t\_log where interface like '%rer%' and DATETRAIT like '21-MAR-18';

select \* from T\_LOGDTL where interface like '%rer%';

select \* from T\_LOGDTL where ERREUR like '%Remote exception%';

E\_CTRL là gì:

e\_ctrl is an Intranet screen which reads from these table t\_log and t\_logdtl

echo imx2rer\_getcasbal-1.8.jar > $IMX\_HOME/src/lib\_j/classpaths/imx2rer\_getcasbal.file

# 28. 4th task - PROJET GED - WEBSERVICE

Type for test:

Libecr, sitfamille

Token was invalid - forbidding resource

## Câu genre ngộ ngộ:

SELECT abrev

FROM v\_domaine a

,g\_individu b

WHERE a.type = 'genre'

AND b.genre = a.valeur

AND b.refindividu = pRefindivPayer), nom, tel1, telecop, email, adr1, cp, ville, pays, pays, langue INTO pCustomerId, pCustomerTitle, pCustomerName, pCustomerPhone, pCustomerMobilePhone, pCustomerMail, pCustomerAddress, pCustomerZipCode, pCustomerCity, pCustomerState, pCustomerCountry, pCustomerLanguage FROM g\_individu

## WHERE refindividu = pRefindivPayerCâu genre ngộ ngộ thứ 2:

String sql = new StringBuffer()

.append("SELECT i.nom AS debtorname ")

.append(" , NVL(v.abrev, i.genre) AS debtorlegalform")

.append(" , i.adr1 AS debtorstreet ")

.append(" , i.cp AS debtorpostcode ")

.append(" , i.ville AS debtorcity ")

.append(" , i.pays AS debtorcountry ")

.append(" , i.dtnaiss\_dt AS debtorbirthdate")

.append(" FROM g\_dossier d, t\_intervenants t ")

.append(" , g\_individu i, v\_domaine v ")

.append(" WHERE d.refdoss = ? ") // CollectionOrderFileNumber (ex '0912011348')

.append(" AND d.refdoss = t.refdoss ")

.append(" AND t.reftype = 'DB' ")

.append(" AND t.refindividu = i.refindividu ")

.append(" AND i.nom IS NOT NULL ")

.append(" AND i.ville IS NOT NULL ")

.append(" AND i.pays IS NOT NULL ")

.append(" AND v.type (+) = 'genre' ")

.append(" AND UPPER(v.valeur(+)) = UPPER(i.genre) ")

.toString();

## SQL về prenom ngộ ngộ

String sql = new StringBuffer()

.append("SELECT i.prenom fname, i.nom lname, gr.abrev profile ")

.append(" , cd.abrev staffCateg , ps.login supervisor , p.auth\_level ")

.append(" , NVL(p.dtfinval\_dt, SYSDATE + 365), p.email ")

.append(" FROM g\_personnel p ")

.append(" , g\_individu i ")

.append(" , (SELECT DISTINCT g.type, g.valeur, g.abrev FROM v\_domaine g ) gr ")

.append(" , (SELECT DISTINCT g.type, g.valeur, g.abrev FROM v\_domaine g ) cd ")

.append(" , g\_personnel ps ")

.append(" WHERE p.login = ? ")

.append(" AND i.refindividu = p.refindividu ")

.append(" AND nvl(p.categperso, ?) != ? ")

.append(" AND gr.type (+) = ? ")

.append(" AND gr.valeur (+) = p.groupe ")

.append(" AND ps.refindividu(+) = p.refresponsable ")

.append(" and cd.type(+) = ? ")

.append(" and cd.valeur(+) = p.categperso ")

.toString();

## SQL về nom\_cl

Nom\_cl mean nom\_client?

public static final String SQL\_SELECT\_NOM\_CLIENT =

"SELECT nom FROM t\_intervenants WHERE refdoss = ? AND reftype = ?";

## My sql statement:

SELECT nom FROM t\_intervenants WHERE reftype = 'CL';

SELECT nom FROM t\_intervenants WHERE refdoss = '0503120004' and reftype = 'TC';

SELECT cl.nom cl,

tc.nom tc

FROM t\_intervenants cl

,t\_intervenants tc

,g\_dossier cmpt

WHERE cl.refdoss = cmpt.refdoss

AND cl.reftype = 'CL'

AND tc.refdoss = cmpt.refdoss

AND tc.reftype = 'TC'

AND cl.refdoss = ? ;

//////////////////////////

SELECT cl.nom nomCL

,tc.nom nomTC

,cmpt.categdoss categdoss

,fe.REFEXT REFEXT

FROM t\_intervenants cl

,t\_intervenants tc

,g\_dossier cmpt

,f\_elem fe

WHERE cl.refdoss = cmpt.refdoss

AND cl.reftype = 'CL'

AND tc.refdoss = cmpt.refdoss

AND tc.reftype = 'TC'

AND fe.REFDOSS = cmpt.refdoss

AND tc.refdoss = '1708160012';

## Câu SQL gần liên quan thần thánh, nhìn vào ngấy xỉu:

public static String selectCreditRemiderCf =

"SELECT " +

" request.refdoss refdossCompte ,\n" +

" fa.refindividu fa ," +

" cf.refindividu cf ," +

" cl.refindividu cl ," +

" db.refindividu db ," +

" request.refpiece refpieceLimite ,\n" +

" TO\_CHAR( request.dt04\_dt, ? ) decision\_date ," + // 1 - ?

// " TO\_CHAR( request.dt04\_dt :formatDate ) decision\_date " +

" TO\_CHAR(request.MT02, 'FM999G999G999G999G999D00') approvedAmount ," +

" request.gpidevis devis " +

" FROM " +

" g\_piece request ," +

" g\_dossier contract ," +

" t\_intervenants db ," +

" t\_intervenants cl ," +

" t\_intervenants cf ," +

" t\_intervenants fa \n" +

" WHERE " +

// " fa.refindividu = :factorCode" +

" fa.refindividu = ? \n" + // 2 - ?

" AND request.typpiece = 'REQUEST\_LIMITE' " +

// -- opinion

" AND request.typedoc = 'O' " +

" AND request.gpiheure = contract.ancrefdoss " +

// -- import contract with FCI provider

" AND contract.categdoss LIKE 'CONTRAT IMP%' " +

" AND EXISTS (SELECT 1 " +

" FROM t\_intervenants pr, g\_individu pr2 " +

" WHERE pr.reftype = 'PR' " +

" AND pr2.refindividu = pr.refindividu " +

" AND pr.refdoss = contract.refdoss " +

" AND pr2.cle\_cl = 'FCI') " +

// -- active, usually opinions are active 60 days after decision date

" AND request.fg05 = 'O' \n" +

// " NVL(request.gpidtfin\_dt, to\_date (:strDateLimit, 'dd/mm/yyyy') + 1) >= to\_date (:strDateLimit, 'dd/mm/yyyy') " +

" AND NVL(request.gpidtfin\_dt, to\_date ( ?, 'dd/mm/yyyy') + 1) >= to\_date ( ? , 'dd/mm/yyyy') \n" + // 3, 4 - ?

// -- NOT cancelled

" AND NVL(request.gpidate1\_dt, to\_date ( ? , 'dd/mm/yyyy') + 1) > to\_date ( ?, 'dd/mm/yyyy') \n" + // 5, 6 - ?

// " NVL(request.gpidate1\_dt, to\_date (:strDateLimit, 'dd/mm/yyyy') + 1) > to\_date (:strDateLimit, 'dd/mm/yyyy') " +

// -- approved

" AND request.gpityppiece = 'AP' " +

" AND request.gpirole IN ('DT', 'DC') \n" +

// -- decision date, e datata na koqto e aktiviran limit, t.e. po neq si sravnqvash

// -30, -45, - 75 dni taka natatyk

" AND TRUNC(request.dt04\_dt) = TRUNC(to\_date ( ? , 'dd/mm/yyyy') - ? ) \n" + // 7, 8 - ?

//" TRUNC(request.dt04\_dt) = TRUNC(to\_date (:strDateLimit, 'dd/mm/yyyy') - :daysToReminder ) " +

// -- intervenants

" AND db.refdoss = request.refdoss " +

" AND db.reftype = 'DB' " +

" AND cl.refdoss = contract.refdoss " +

" AND cl.reftype = 'TC' " +

" AND cf.refdoss = contract.refdoss " +

" AND cf.reftype = 'CL' " +

" AND fa.refdoss = contract.refdoss " +

" AND fa.reftype = 'DB' ";

Server để test:

Tốt nhất là tạo thử cái patch crequest, của task hiện tại là:



## Chạy thử trên tmp:

Sử dụng build re-pack:

Step 1:

<**build**>  
 <**plugins**>  
 <**plugin**>  
 <**groupId**>org.springframework.boot</**groupId**>  
 <**artifactId**>spring-boot-maven-plugin</**artifactId**>  
 <**version**>${spring.boot.version}</**version**>  
 <**executions**>  
 <**execution**>  
 <**goals**>  
 <**goal**>repackage</**goal**>  
 </**goals**>  
 </**execution**>  
 </**executions**>  
 <**configuration**>  
 <**mainClass**>${start-class}</**mainClass**>  
 </**configuration**>  
 </**plugin**>  
 </**plugins**>  
</**build**>

Step 2:

Chép \*.jar qua tmp

Step 3:

Chép file shell quá:

Ví dụ gpc\_api

Step n:

Kill base on PID

Kill -9 {pid}

## Thêm token

INSERT INTO ws\_authentication

(SERVICENAME, USERNAME, PASSWORD )

VALUES

('gpc\_api', 'GPC\_TEST', 'aa8854321f4354f30745455455533333' );

## Chat with a Hoàng

|  |  |
| --- | --- |
| [12:21:34] | \* 2 em nên dùng Interface port thay vì test port 11111 |
| [12:21:46] | Em hỏi anh Chấn xem interface port là cái nào |
| [12:21:58] | \* 3 cái service của em deploy lên BUMP |
| [12:22:07] | cuối ngày nó sẽ được "restart" |
| [12:22:21] | shutdown => restart (via init\_part5 script) |
| [12:22:30] | em phải bỏ cái lệnh start của em vào init\_part5 |
| [12:22:34] | nó mới luôn luôn chạy |
| [12:22:42] | => Em hỏi anh @Chấn for more info |
| **Thuat Thien Nguyen** | |
| [12:22:52] | ok anh |
| **Hoang Van Dang** | |
| [12:23:44] | Thêm nữa |
| [12:23:47] | Em nhìn trong TTS |
| [12:24:02] | Status:IN DEVELOPMENT |
| [12:24:08] | => Em phải chuyển nó sang In TEST |
| [12:24:22] | Bằng cách nhấn vào "Edit In Development Task" |
| [12:24:40] | + Provide information: "How-to-test- this API" from your point of view. |
| [12:24:45] | with Expectation results. |
| [12:24:55] | ok? |
| [12:25:18] | bữa training có nhớ cái TEST secnario ko? |
| [12:25:50] | "bữa training có nhớ cái TEST secnario ko?" em attach cái test scenario của em vào. |
| [12:25:59] | chứ em đưe như vậy là "ko có tâm" nha. |
| [12:26:19] | ]:) |
| **Thuat Thien Nguyen** | |
| [12:26:36] | à |
| [12:26:56] | để em làm cái test scenario rồi attach lên |
| [12:26:57] | hí hí |

# 29. 6th task message Tung

EH-24499 cái task tương tự mà chả hiểu

 $IMX\_IMAGES/images

Test performed with user imx/crx on case 1711220027 with message with g\_information.refinfo = B4198316.

{

"msgRefInfo": "B4198316",

"msgDat": "2018-03-15",

"msgFrom": null,

"msgTo": null,

"msgSubject": "REPLY REPLY",

"msgContent": "Reply of the last message",

"casRef": "1711220027"

}

PAS Training - ACP - Ecommerce - Message REST Web service

SOAI-273

Request:

<http://localhost:8080/ecom/message/B4198316/attachment>

thuat-test2.png

Response:

http://localhost:8080/ecom/message/B4198316/attachment

Searching 20676 files for "e\_vichrodv"

D:\cvs\_prog\_j\prog\_j\eh\interfaces\imx2kit\jar\src\main\java\imx\ws\collection\imx2kit3.java:

868 rs = pstmt.executeQuery();

869 if (rs.next()) {

870: EventTypeFE eventTypeFE = new EventTypeFE(); // Financial element as seen in screen E\_VIPRINDV and E\_VICHRODV

871 eventTypeFE.setInvolvedParty(rs.getString(1)); // Involved Party

872 eventTypeFE.setAmount(new Double(rs.getDouble(2))); // Case Amount (Invoice amount)

...

914 rs = pstmt.executeQuery();

915 if (rs.next()) {

916: EventTypeFE eventTypeFE = new EventTypeFE(); // Financial element as seen in screen E\_VICHRODV and E\_VISFAC

917 eventTypeFE.setInvolvedParty(rs.getString(1)); // Involved Party

918 eventTypeFE.setAmount(new Double(rs.getDouble(2))); // Case Amount (Invoice amount)

2 matches in 1 file

select SYSDATE from dual;

select count(1) from e\_vichrodv;

select \* from g\_etude;

select FG\_ATTACH\_AS\_IMG from g\_etude;

select count(1) from e\_vichrodv;

select \* from g\_information where refinfo = 'B4198316';

Send thuat-test3.png

Lần đầu:

{

"msgRefInfo": "B4198316",

"attID": "20571520"

}

Lần 2:

{

"msgRefInfo": "B4198316",

"attID": "20571520"

}

Send 2 lần y chang

Trong D:\upload\temp vẫn chỉ có 1 hình thuat-test3.png

Còn trong B4198316.tar.gz thì có tới 2 tấm thuat-test3.png

Lần 3:

{

"msgRefInfo": "B4198316",

"attID": "20561520"

}

### JPG:

{

"msgRefInfo": "B4198316",

"attID": "30721520"

}

## MOLO

{

"msgRefInfo": "B4198316",

"attID": "20551520"

}

Lần 2:

{

"msgRefInfo": "B4198316",

"attID": "20551520"

}

Nơi để image thuat-test5.png:

/molo/intra/imx/tmp/ecom\_ws/messages

Nơi để file taz:

/molo/intra/imx/images/extranet/pieces

File mở bình thường: B4184853.tar.gz

## Query

SELECT msg.refext2 casRef

,msg.refinfo msgRefInfo

,msg.refext3 msgRefInfoOld

,msg.dtsaisie\_dt msgDat

,msg.refemetteur msgFrom

,msg.encodeur msgTo

,msg.libelinfo msgSubject

,msg.libreinfo msgContent

,msg.fg\_urgent isUrgent

,msg.str\_10\_1 isReplyReq

,msg.typedoc isRead

,msg.fg\_important isImportant

,msg.typemetteur isAttachment

FROM g\_information msg

WHERE msg.refinfo = 'B4198316'

AND msg.moyencomm = 'MESSAGE'

AND msg.refext2 = nvl(null, msg.refext2)

;

select count(1) from g\_information where refinfo = 'B4198316';

select \* from g\_information where refinfo = 'B4198316';

SELECT e.nom AS involvedParty

,fi.montant\_dos AS amount

,fi.devise\_dos AS currency

,fi.type AS title

FROM t\_elements e

,g\_elemfi fi

WHERE e.refelem = fi.refelem

AND rownum <= 10;

SELECT \*

FROM t\_elements e

,g\_elemfi fi

WHERE e.refelem = fi.refelem

And ROWNUM <= 10;

select count(1) from g\_etude;

SELECT COUNT(1)

FROM t\_elements e

,g\_elemfi fi

WHERE e.refelem = fi.refelem

AND e.nom = null

AND rownum <= 10;

SELECT \*

FROM g\_individu

WHERE refindividu = 'B4016977';

SELECT refindividu

,refdossext

FROM t\_intervenants

WHERE refdoss = '1711220027'

AND reftype = 'CL'

;

SELECT \*

FROM g\_information msg

,g\_elemfi fi

WHERE msg.refinfo =fi.refelem

;

SELECT d.ecran

FROM v\_domaine d

, g\_piece p

WHERE d.type = 'piece'

AND d.valeur = p.typpiece AND ROWNUM < 10;

--AND p.refpiece = ?

SELECT i.nomemetteur AS sender

,e.nom AS recipient

,i.libelinfo AS subject

,i.libreinfo AS text

FROM t\_elements e

,g\_information i

WHERE e.refelem = i.refinfo

AND e.imx\_un\_id = '20571520';

SELECT i.nomemetteur AS sender

,e.nom AS recipient

,i.libelinfo AS subject

,i.libreinfo AS text

FROM t\_elements e

,g\_information i

WHERE e.refelem = i.refinfo

AND e.imx\_un\_id = '20571520';

SELECT i.EXTRANET\_INVIS

FROM t\_elements e

,g\_information i

WHERE e.refelem = i.refinfo

AND i.refinfo = 'B4198316';

SELECT e.REJET

FROM t\_elements e

,g\_information i

WHERE e.refelem = i.refinfo

AND i.refinfo = 'B4198316';

select FG\_ATTACH\_AS\_IMG from g\_etude;

select \* from g\_etude;

update g\_etude

set FG\_ATTACH\_AS\_IMG = 'O'

where FG\_ATTACH\_AS\_IMG is null;

update g\_etude

set FG\_ATTACH\_AS\_IMG = NULL

where FG\_ATTACH\_AS\_IMG = 'O';

select typemetteur from g\_information where refinfo = 'B4198316';

## Thuat-New Message

{

"msgRefInfo": null,

"msgDat": "2018-03-29",

"msgFrom": null,

"msgTo": null,

"msgSubject": "THUAT-TEST",

"msgContent": "THUAT-TEST",

"casRef": "1711220028",

"msgUrgent": true,

"msgReplyReq": true,

"msgRefInfoNew": "B4199672"

}

{

"msgRefInfo": "B4199672",

"attID": "14561520"

}

{

"msgRefInfo": null,

"msgDat": "2018-03-30",

"msgFrom": null,

"msgTo": null,

"msgSubject": "THUAT-TES-SUBJECT",

"msgContent": "THUAT-TES-CONTENT",

"casRef": "1711220027",

"msgUrgent": true,

"msgReplyReq": true,

"msgRefInfoNew": "B4199855"

}

## 03-30-2018 test 2

{

"casRef": "1711220027",

"msgRefInfo": "",

"msgDat": "2018-03-30",

"msgFrom": null,

"msgTo": null,

"msgSubject": "THUAT-TEST-03302018-SUBJECT",

"msgContent": "THUAT-TEST-03302018-CONTENT",

"msgUrgent": true,

"msgReplyReq": true

}

Response

{

"msgRefInfo": null,

"msgDat": "2018-03-30",

"msgFrom": null,

"msgTo": null,

"msgSubject": "THUAT-TEST-03302018-SUBJECT",

"msgContent": "THUAT-TEST-03302018-CONTENT",

"casRef": "1711220027",

"msgUrgent": true,

"msgReplyReq": true,

"msgRefInfoNew": "B4199856"

}

{

"msgRefInfo": "B4199856",

"attID": "14551520"

}

## Replace classpath:

sed "s/messages.\{1,20\}jar/messages-1.3.9.jar/g" $IMX\_HOME/src/lib\_j/classpaths/ecom\_ws.classpath > $IMX\_HOME/tmp/ecom\_ws.classpath1

mv $IMX\_HOME/tmp/ecom\_ws.classpath1 $IMX\_HOME/src/lib\_j/classpaths/ecom\_ws.classpath

## Bug 2018-04-05

Request:

{

"casRef": "1711220027",

"msgRefInfo": "",

"msgFrom": null,

"msgTo": null,

"msgSubject": "THUAT-TEST-20180405-SUBJECT",

"msgContent": "THUAT-TEST-20180405-CONTENT",

"msgUrgent": 10,

"msgReplyReq": true

}

Response:

{

"msgRefInfo": null,

"msgDat": "2018-04-05",

"msgFrom": null,

"msgTo": null,

"msgSubject": "THUAT-TEST-20180405-SUBJECT",

"msgContent": "THUAT-TEST-20180405-CONTENT",

"casRef": "1711220027",

"msgUrgent": true,

"msgReplyReq": true,

"msgRefInfoNew": "B4200250"

}

<http://websystique.com/springmvc/spring-mvc-requestbody-responsebody-example/>

### Không cheat code:

Class cast cho cái boolean:

NumberDeserializers

Cái này trong Std:

**if** (t == JsonToken.***VALUE\_NUMBER\_INT***) {  
 **return** Boolean.*valueOf*(\_parseBooleanFromInt(p, ctxt));  
}

**protected final** Boolean \_parseBoolean(JsonParser p, DeserializationContext ctxt)  
 **throws** IOException  
{  
 JsonToken t = p.getCurrentToken();  
 **if** (t == JsonToken.***VALUE\_TRUE***) {  
 **return** Boolean.***TRUE***;  
 }  
 **if** (t == JsonToken.***VALUE\_FALSE***) {  
 **return** Boolean.***FALSE***;  
 }  
 *// should accept ints too, (0 == false, otherwise true)* **if** (t == JsonToken.***VALUE\_NUMBER\_INT***) {  
 **return** Boolean.*valueOf*(\_parseBooleanFromInt(p, ctxt));  
 }  
 **if** (t == JsonToken.***VALUE\_NULL***) {  
 **return** (Boolean) getNullValue(ctxt);  
 }  
 *// And*

# 30. 7th task can’t collection

## Config (có thể gồm host):

$IMX\_CLT/config/interfaces

/intra/imx/imxclt/config/interfaces

## Ticket liên quan:

EH-25732, EHFUP-7414, EH-2606, EH-13778,

Codix site: SENAR-OPAL – OPAL – 15230 – imxdb – manager

opal-/opal/intra/imx/interfaces/sal2imx1> sal2imx1 status

On SENAR , user : boio1916/crx in screen e\_majctdv when Click on button GET TARIFF application start to loading and stop work , no error message, no trace file .

Could you create a script that will update all cases where createur=’ eh\_cr\_imx\_cases’ and with no no management dead line.

and set management deadline = reception date + collection duration

<http://iyankov:8088/mockPriceQueryWSPortBinding>

|  |  |  |
| --- | --- | --- |
|  | [Show 'Management deadline' field](http://opalex.imxbg:15280/x2-eh-opal-rt/admin/groupsRightsAction.do?currentId=showManagementDeadline) | [Show 'Management deadline' date on 'Case review'](http://opalex.imxbg:15280/x2-eh-opal-rt/admin/groupsRightsAction.do?currentId=showManagementDeadline) |

## Refdoss tìm được có vẻ khả thi:

1802020005 – của mình làm là time out của nó là 500 – chính xác là phải xài cái này đây

1704040004 – time out

1102070142 -

1803280005 – tester đưa, bị lỗi khác

## Chat với a.Hoang

(12:50) Hoang Van Dang: https://sauron.imxbg/jira/browse/EH-26660

(12:51) Hoang Van Dang: come to my desk if you want to accelerate the progress.

(13:31) Thuat Thien Nguyen: xíu xuống ngen a, mới leo bộ đuối quá, hí hí

(13:32) Hoang Van Dang: ok, nghỉ tí đi, chiều chiều xuống

(13:32) Thuat Thien Nguyen: ok a

(15:19) Hoang Van Dang: SELECT id

, interface

, flux

, traitement processing

, to\_char(datetrait, 'dd/mm/yyyy hh24:mi:ss') StartDate

, erreur status

, nbenreg NoOfRequest

, traites NoOfOK

, rejetes NoOfKO

FROM t\_log

WHERE interface like ('sal2imx1')

--AND nbenreg > 0

AND datetrait > SYSDATE - 20

ORDER BY datetrait DESC;

-- detail log db

SELECT l.traitement, l.datetrait, ldt.\*

FROM t\_logdtl ldt

, t\_log l

WHERE l.id = ldt. id

AND interface LIKE 'sal2imx1'

AND datetrait > SYSDATE - 10

ORDER BY datetrait DESC

;

(15:43) Hoang Van Dang: eh\_sal.pck

(16:03) Hoang Van Dang: SELECT p.refext, p.refdoss

FROM g\_piece p

WHERE 1 = 1

--AND p.refdoss = eh\_sal.get\_db\_contract\_case\_id(case\_id)

AND p.typpiece = 'CONTRAT'

AND p.refext = 'INS/23032015/POL\_1'

;

DECLARE

BEGIN

eh\_sal.sal2imx1('1802020005'); --1803280005

dbms\_output.put\_line('DONE');

END;

/

(16:05) Hoang Van Dang: BCS2-BLADE5 opal-/opal/intra/imx/interfaces/sal2imx1/log> grep -irl 'contractNumber' ./

./sal2imx1.log

## Query

select refdoss from g\_dossier where REFHIERARCHIE in(select refdoss from g\_piece where nb01 is not null);

SELECT id

, interface

, flux

, traitement processing

, to\_char(datetrait, 'dd/mm/yyyy hh24:mi:ss') StartDate

, erreur status

, nbenreg NoOfRequest

, traites NoOfOK

, rejetes NoOfKO

FROM t\_log

WHERE interface like ('sal2imx1')

--AND nbenreg > 0

AND datetrait > SYSDATE - 20

ORDER BY datetrait DESC;

-- detail log db

SELECT l.traitement, l.datetrait, ldt.\*

FROM t\_logdtl ldt

, t\_log l

WHERE l.id = ldt. id

AND interface LIKE 'sal2imx1'

AND datetrait > SYSDATE - 10

ORDER BY datetrait DESC

;

SELECT id

, interface

, flux

, traitement processing

, to\_char(datetrait, 'dd/mm/yyyy hh24:mi:ss') StartDate

, erreur status

, nbenreg NoOfRequest

, traites NoOfOK

, rejetes NoOfKO

FROM t\_log

WHERE interface like ('sal2imx1')

--AND nbenreg > 0

AND datetrait > SYSDATE - 20

ORDER BY datetrait DESC;

-- detail log db

SELECT l.traitement, l.datetrait, ldt.\*

FROM t\_logdtl ldt

, t\_log l

WHERE l.id = ldt. id

AND interface LIKE 'sal2imx1'

AND datetrait > SYSDATE - 10

ORDER BY datetrait DESC

;

SELECT p.refext, p.refdoss

FROM g\_piece p

WHERE 1 = 1

--AND p.refdoss = eh\_sal.get\_db\_contract\_case\_id(case\_id)

AND p.typpiece = 'CONTRAT'

AND p.refext = 'INS/23032015/POL\_1'

;

select refdoss,REFHIERARCHIE,REFHIERARCHIE2 from g\_dossier where REFHIERARCHIE = '1504030001';

select count(1) --max(order\_date - to\_char(inv.dtdebut\_dt, 'j'))

FROM g\_elemfi inv

WHERE inv.refdoss = /\*case\_id\*/ '1504030001';

select count(1) from g\_elemfi inv;

select dtdebut\_dt,to\_char(inv.dtdebut\_dt, 'j') from g\_elemfi inv;

select \* from g\_elemfi inv where inv.refdoss = '1503230003';

select refdoss from g\_elemfi inv;

## SOAPUI

<http://tnthien:8088/DCS/services/PriceQueryService-v3>

Response:

<**html**>  
 <**body**>  
 <**p**>There are currently 1 running SoapUI MockServices</**p**>  
 <**ul**>  
 <**li**>  
 <**a href="/mockPriceQueryServiceBinding-v3?WSDL"**>PriceQueryServiceBinding-v3 MockService</**a**>  
 </**li**>  
 </**ul**>  
 </**p**>  
</**body**></**html**>

## SENAR

Refdoss chạy được:

1006290055 – “There is no contract case for the current debtor case” when press “Get tariff”

1006290069 – “There is no contract case…”

# 31. 8th IMX UAM

## Các file team có edit:

AUAM\_iMX\_1\_v1.0.xsd

CreateUserAccountRequestType

UpdateProfileRequestType

UserDataType

AUAM\_1

AxisHandlerInterface

## Information:

**refresponsable = supervisor**

## Server:

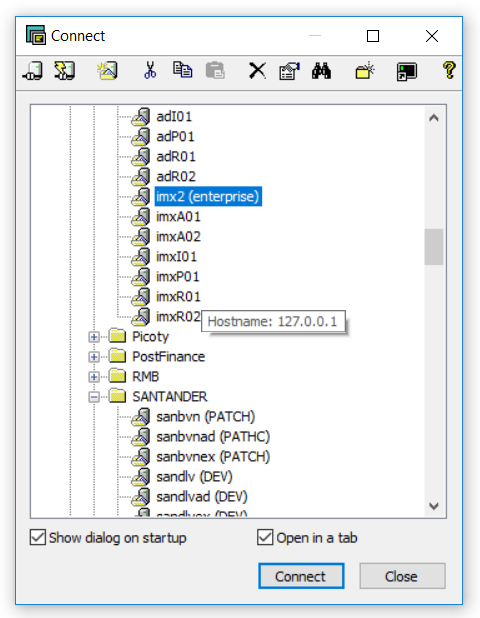
|  |  |  |
| --- | --- | --- |
| enterprise2 | **»** | IMXI01 (INT)**»**IMXA01 (ACC)**»**IMXP01 (PROD)**»**IMXR01 (REF1) |

enterprise2 mean:

host: enterprise

user:imx2

pass: Sofphia



## Url

<http://mobi.imxbg:20501/auam-imx-1/services/UserAccessManagementServicePort>

<http://enterprise:8970/auam-imx-1/services/UserAccessManagementServicePort>

<http://enterprise:8201/auam-imx-1/services/UserAccessManagementServicePort>

Endpoint là điểm cuối cũng giống url nhưng bỏ phần đầu đi. Ví dụ: /auam-imx-1/services/User…

## Adding authentication

insert into ws\_authentication

(SERVICENAME, USERNAME, PASSWORD )

VALUES

('AUAM\_IMX1', 'imxcrx', 'CD45A8F402495998' );

select imxauthorization.getpasswordhash('imxcrx+01') from dual;

## True xml

### Request of checkUserExist:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:typ="http://ws.imx.fr/auam/types">

<soapenv:Header/>

<soapenv:Body>

<typ:checkUserExists>

<typ:request>

<typ:Login>Ofaa</typ:Login>

</typ:request>

<typ:serviceContext>

<UserName>Ofaa</UserName>

<Password>crx</Password>

<CallerSystem>SOME\_SYSTEM</CallerSystem>

<TransactionIdentifier>SOME\_TRANSACTION\_ID</TransactionIdentifier>

</typ:serviceContext>

</typ:checkUserExists>

</soapenv:Body>

</soapenv:Envelope>

### Response of checkUserExist:

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:typ="http://ws.imx.fr/auam/types">

<soapenv:Header/>

<soapenv:Body>

<typ:checkUserExists>

<typ:request>

<typ:Login>Ofaa</typ:Login>

</typ:request>

<typ:serviceContext>

<UserName>Ofaa</UserName>

<Password>crx</Password>

<CallerSystem>SOME\_SYSTEM</CallerSystem>

<TransactionIdentifier>SOME\_TRANSACTION\_ID</TransactionIdentifier>

</typ:serviceContext>

</typ:checkUserExists>

</soapenv:Body>

</soapenv:Envelope>

### Request updateProfile

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:typ="http://ws.imx.fr/auam/types">

<soapenv:Header/>

<soapenv:Body>

<typ:updateUserProfile>

<typ:request>

<typ:Login>Ofaa</typ:Login>

<!--type: ProfileType - enumeration: [CCBR,CCBS,CCBB,CCCC,CCBC,CCBL,CCME,OUTC,SUPU,BB]-->

<typ:Profile>ADMIN</typ:Profile>

<typ:Level>1</typ:Level>

<typ:StaffCategory>MAN</typ:StaffCategory>

<typ:Supervisor>ngodts</typ:Supervisor>

<typ:Email></typ:Email>

</typ:request>

<typ:serviceContext>

<UserName>Ofaa</UserName>

<Password>crx</Password>

<CallerSystem>SOME\_SYSTEM</CallerSystem>

<TransactionIdentifier>SOME\_TRANSACTION\_ID</TransactionIdentifier>

</typ:serviceContext>

</typ:updateUserProfile>

</soapenv:Body>

</soapenv:Envelope>

### Response updateProfile

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<soapenv:Body>

<soapenv:Fault>

<faultcode>soapenv:Server.generalException</faultcode>

<faultstring/>

<detail>

<ns1:businessError xmlns:ns1="http://ws.imx.fr/auam/types">

<ErrorType>BUSINESS</ErrorType>

<ErrorCode>0014</ErrorCode>

<Message>Supervisor does not exist in iMX</Message>

<ExternalCode/>

</ns1:businessError>

<ns2:exceptionName xmlns:ns2="http://xml.apache.org/axis/">fr.imx.ws.common.error.BusinessErrorType</ns2:exceptionName>

<ns3:stackTrace xmlns:ns3="http://xml.apache.org/axis/">at fr.imx.ws.auam.AUAM\_1.checkNull(AUAM\_1.java:1886)

at fr.imx.ws.auam.AUAM\_1.updateUserProfile(AUAM\_1.java:463)

at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:39)

at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:25)

at java.lang.reflect.Method.invoke(Method.java:324)

at org.apache.axis.providers.java.RPCProvider.invokeMethod(RPCProvider.java:397)

at org.apache.axis.providers.java.RPCProvider.processMessage(RPCProvider.java:186)

at org.apache.axis.providers.java.JavaProvider.invoke(JavaProvider.java:323)

at org.apache.axis.strategies.InvocationStrategy.visit(InvocationStrategy.java:32)

at org.apache.axis.SimpleChain.doVisiting(SimpleChain.java:118)

at org.apache.axis.SimpleChain.invoke(SimpleChain.java:83)

at org.apache.axis.handlers.soap.SOAPService.invoke(SOAPService.java:454)

at org.apache.axis.server.AxisServer.invoke(AxisServer.java:281)

at org.apache.axis.transport.http.AxisServlet.doPost(AxisServlet.java:699)

at javax.servlet.http.HttpServlet.service(HttpServlet.java:760)

at org.apache.axis.transport.http.AxisServletBase.service(AxisServletBase.java:327)

at javax.servlet.http.HttpServlet.service(HttpServlet.java:853)

at com.evermind.server.http.ServletRequestDispatcher.invoke(ServletRequestDispatcher.java:835)

at com.evermind.server.http.ServletRequestDispatcher.forwardInternal(ServletRequestDispatcher.java:341)

at com.evermind.server.http.HttpRequestHandler.processRequest(HttpRequestHandler.java:816)

at com.evermind.server.http.AJPRequestHandler.run(AJPRequestHandler.java:231)

at com.evermind.server.http.AJPRequestHandler.run(AJPRequestHandler.java:136)

at com.evermind.util.ReleasableResourcePooledExecutor$MyWorker.run(ReleasableResourcePooledExecutor.java:192)

at java.lang.Thread.run(Thread.java:534)</ns3:stackTrace>

<ns4:hostname xmlns:ns4="http://xml.apache.org/axis/">enterprise.codixfr.private</ns4:hostname>

</detail>

</soapenv:Fault>

</soapenv:Body>

</soapenv:Envelope>

## Query

SELECT 1

FROM ws\_authentication

WHERE servicename = ?

AND username = ''

AND password = imxauthorization.getpasswordhash(?);

SELECT \*

FROM ws\_authentication;

insert into ws\_authentication

(SERVICENAME, USERNAME, PASSWORD )

VALUES

('AUAM\_IMX1', 'imxcrx', 'CD45A8F402495998' );

select imxauthorization.getpasswordhash('crx') from dual;

SELECT p.refindividu

FROM g\_personnel p

WHERE upper(p.login) = upper('imx')

AND NVL(p.dtfinval\_dt, SYSDATE+365) > SYSDATE

AND (p.blocked is null or p.blocked != 'imx')

AND NVL(p.categperso,'X') NOT IN ('GROUPE','PROFILE');

SELECT p.refindividu

FROM g\_personnel p

WHERE upper(p.login) = upper('ngodts')

AND NVL(p.dtfinval\_dt, SYSDATE + 365) > SYSDATE

AND (p.blocked IS NULL OR p.blocked != 'O')

AND NVL(p.categperso, 'X') NOT IN ('GROUPE', 'PROFILE');

select count(1) from g\_personnel;

select auth\_level from g\_personnel;

select login, auth\_level from g\_personnel; --chantest12

select login, auth\_level from g\_personnel where auth\_level=2; --chantest12

select refresponsable from g\_personnel where login='chantest12';

select refresponsable from g\_personnel;

select \* from g\_personnel where login in ('user21','chantest15');

SELECT p.auth\_level

FROM g\_personnel p

WHERE upper(p.login) = upper('katya')

AND NVL(p.dtfinval\_dt, SYSDATE + 365) > SYSDATE

AND (p.blocked IS NULL OR p.blocked != 'O');

SELECT " + selects + " FROM v\_domaine WHERE type = ? AND abrev = ?;

SELECT i.prenom fname

,i.nom lname

,gr.abrev profile

,cd.abrev staffCateg

,ps.login supervisor

,p.auth\_level

,NVL(p.dtfinval\_dt, SYSDATE + 365)

,p.email

FROM g\_personnel p

,g\_individu i

,(SELECT DISTINCT g.type

,g.valeur

,g.abrev

FROM v\_domaine g) gr

,(SELECT DISTINCT g.type

,g.valeur

,g.abrev

FROM v\_domaine g) cd

,g\_personnel ps

WHERE p.login = 'Ofaa'

AND i.refindividu = p.refindividu

AND nvl(p.categperso, 'XYZ') != 'PROFILE'

AND gr.type(+) = 'GROUPE'

AND gr.valeur(+) = p.groupe

AND ps.refindividu(+) = p.refresponsable

AND cd.type(+) = 'CATEGPERSO'

AND cd.valeur(+) = p.categperso;

# 32. 9th creation customer

# 33. 10th BanColombia

## Project interface for prefer

imx2claimshub

## Note

1. Change imx2cu.cfg\_pl: change from claimsub fo cu, need to check variables

# 98. Reference

## [F\_ELEM.REFDOSSCA=G\_DOSSIER.REFDOSS](http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel_Standard_MCD_MPD_files/Mult14109.htm#36057)

http://cxtsbg2/MCD/HTML%20iMX%20Standard%20Conceptual%20Model/MultiModel\_Standard\_MCD\_MPD\_files/Mult14109.htm#36057

# 99. Server

Địa chỉ lấy information server: http://backup2.codixfr.private/inventory/tnsnames.txt

Server nằm trong codix->intranet là server của mình, có thể test

Server của mình:

atom

# 100. Bonus

ls –ltr {file} : kiểm tra ngày cuối cùng chỉnh sửa

ls –ltr: kiểm tra có bao nhiêu file

## Phân biệt server mình và server khách hàng

Nằm trong codix intranet là của mình

Nằm trong client là của khách hàng

Hoặc lên security machine????

Search all trong intellij: ctrl+f7

Gợi ý doSomeShit(): alt+enter

mv $IMX\_HOME/tmp/ecom\_ws.classpath1 $IMX\_HOME/src/lib\_j/classpaths/ecom\_ws.classpath

mv $IMX\_HOME/tmp/imx2creq-1.4.jar $IMX\_HOME/src/lib\_j/imx2creq-1.4.jar

## Check type and length column in table in oracle

SELECT table\_name, column\_name, data\_type, data\_length FROM all\_tab\_columns where table\_name = 'G\_DOSSIER' and column\_name='REFHIERARCHIE';

## Kill

hello,

Your sessions have been killed.

Here is example how you can kill your sessions:

SQL>  SELECT sid, serial#, username, osuser, process, program FROM V$SESSION WHERE username='IMXDB' and OSUSER='hvdang';

       SID    SERIAL# USERNAME                       OSUSER                         PROCESS                  PROGRAM  
---------- ---------- ------------------------------ ------------------------------ ------------------------ ------------------------------------------------  
      1309      64532 IMXDB                          hvdang                         1234                     soa\_integration

SQL>  
SQL> exec kill\_session (1309 ,64532);

## Log work

\_ Research the fields in DvData:

+ search field on http://masterfr/doc

+ develop java object

+ develop DAO function

\_ Develop function dvType()

+ develop dvType service

+ develop dvType controller

## Deploy

Chỉnh maven 3.0.5

JDK 7

Bỏ hết jdk 8 đi

Hi em

(13:40) Hoang Van Dang: imx2rer\_getcasbal-1.8.jar

(13:40) Hoang Van Dang: Version number bao có 3 phần X.Y.Z

(13:40) Hoang Van Dang: \* X: major technical change: like change framework.

(13:41) Hoang Van Dang: \* Y: Funcitonal change

(13:41) Hoang Van Dang: \* Z: if you have some technical problem, bug, etc.

## Client

<https://tervel.codixfr.private/wiki/index.php/Related_documents_for_each_project>

## Form

Imx/crx

codix/{no password}

# 101. Giải thích ý nghĩa field

## 1. Refdoss

Reference of case with the attached document

Example: “1803020007” có 10 chữ số

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| IMX Case reference | REFDOSS | VARCHAR2(10 char) | X | X | X | CRX case reference. Format YYMMDDNNNN |

refddos = case\_id

Nó là cái để lưu id của hợp đồng (hay còn gọi là case, contract)

g\_piece.refdoss = g\_doisser.refdoss;