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Directorate B - Digital Business Solutions (DBS)

Open e-PRIOR

Getting Started

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Document History

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0.001	05/07/2016	First draft	All

1. INTRODUCTION

This document provides a step-by-step guide on how to use the open source version of Open ePRIOR pre-award e-Submission module. It is an extension to the installation guide. It is considered that all steps from the *InstallationGuide.doc* have been completed successfully.

2. H2 DATABASE

2.1. H2 Console

Before you log in, the H2 database must be started.

Log In to the Cube and EPrior databases in two separate web browsers. Please note that the sessions cannot be started in the same web browser in different tabs. The credentials can be found in the JBoos standalone-full.xml configuration file.

```
<datasource jta="false" jndi-name="java:/cubeDs" pool-name="cubeDs" enabled="true" use-ccm="true">
  <connection-url>jdbc:h2:tcp://localhost/E:/Tools/PREAWARD_DB_FOLDER/cubeopen</connection-url>
  <driver>h2</driver>
  <security>
    <user-name>cube</user-name>
    <password>cube</password>
  </security>
</datasource>
<datasource jta="false" jndi-name="java:/eTrustExDs" pool-name="eTrustExDs" enabled="true" use-ccm="true">
  <connection-url>jdbc:h2:tcp://localhost/E:/Tools/PREAWARD_DB_FOLDER/eprior</connection-url>
  <driver>h2</driver>
  <security>
    <user-name>PRIOR USER</user-name>
    <password>OPEN</password>
  </security>
</datasource>
```

Figure 1 JBoos configuration file

The H2 console should be launched automatically after executing the h2.bat batch file.

If not, launch the web browser within the following link:

<http://127.0.0.1:8082/login.jsp>

Figure 2 H2 – Log in to Cube

3. JBOSS SERVER

3.1. JBoss Server – Add user

In order to log to the JBoss Console, a user must be created.

Execute the "AddUser.bat" script located in JBOSS_FOLDER\bin\ on the both JBoss servers and follow a default scenario.

As a result, a user *eTest* (password: *test123*) was created.

```
E:\Tools\jboss-as-7.1.1.Final\bin>add-user.bat
What type of user do you wish to add?
a) Management User (mgmt-users.properties)
b) Application User (application-users.properties)
(a):
Enter the details of the new user to add.
Realm (ManagementRealm) :
Username : eTest
Password :
Re-enter Password :
About to add user 'eTest' for realm 'ManagementRealm'
Is this correct yes/no? yes
Added user 'eTest' to file 'E:\Tools\jboss-as-7.1.1.Final\standalone\configuration\mgmt-users.properties'
Added user 'eTest' to file 'E:\Tools\jboss-as-7.1.1.Final\domain\configuration\mgmt-users.properties'
Press any key to continue . . . _
```

Figure 3 JBoos – AddUser.bat

3.2. JBoss Server – Servers launching

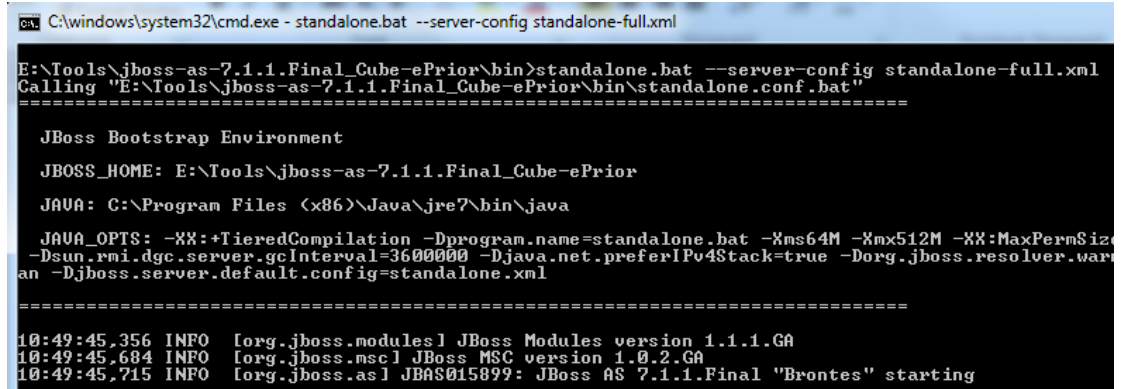
The JBoss servers must be launched in the following order:

1. BACKOFFICE – CUBE
2. FRONTOFFICE – Supplier Portal

3.2.1. Launch BACKOFFICE

Launch the following script located in JBoss BACKOFFICE\bin folder.

standalone.bat --server-config standalone-full.xml



```
C:\windows\system32\cmd.exe - standalone.bat --server-config standalone-full.xml

E:\Tools\jboss-as-7.1.1.Final_Cube-ePrior\bin>standalone.bat --server-config standalone-full.xml
Calling "E:\Tools\jboss-as-7.1.1.Final_Cube-ePrior\bin\standalone.conf.bat"
=====
JBoss Bootstrap Environment

BOSS_HOME: E:\Tools\jboss-as-7.1.1.Final_Cube-ePrior
JAVA: C:\Program Files (x86)\Java\jre7\bin\java
JAVA_OPTS: -XX:+TieredCompilation -Dprogram.name=standalone.bat -Xms64M -Xmx512M -XX:MaxPermSize=256M
-Dsun.rmi.dgc.server.gcInterval=3600000 -Djava.net.preferIPv4Stack=true -Dorg.jboss.resolver.warning.level=1
-Djboss.server.default.config=standalone.xml
=====

10:49:45,356 INFO [org.jboss.modules] JBoss Modules version 1.1.1.GA
10:49:45,684 INFO [org.jboss.msc] JBoss MSC version 1.0.2.GA
10:49:45,715 INFO [org.jboss.as] JBAS015899: JBoss AS 7.1.1.Final "Brontes" starting
```

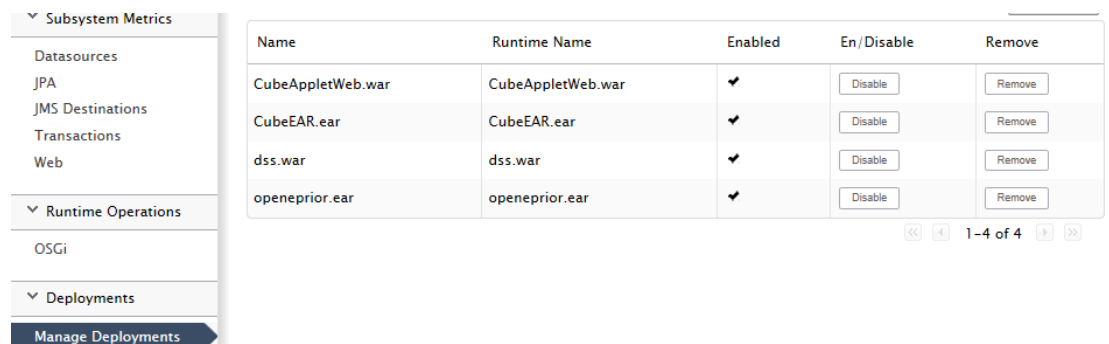
Figure 4 Launching JBoss – BACKOFFICE

Launch the following link to open a console panel of the BACKOFFICE JBoss server.

<http://localhost:9990/console/App.html>

Enter the credentials according to 3.1 point.

Navigate to *Deployments->Manage Deployments* and verify if all deployments are enabled.



Name	Runtime Name	Enabled	En/Disable	Remove
CubeAppletWeb.war	CubeAppletWeb.war	✓	Disable	Remove
CubeEAR.ear	CubeEAR.ear	✓	Disable	Remove
dss.war	dss.war	✓	Disable	Remove
openeprior.ear	openeprior.ear	✓	Disable	Remove

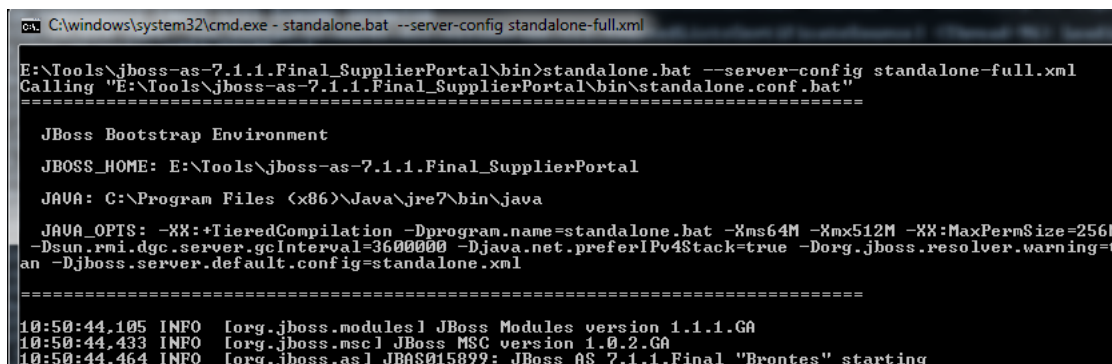
Figure 5 JBoss – BACKOFFICE

3.2.2. Launch FRONTOFFICE

The FRONTOFFICE Portal must be launched as the second service after successful deployment of the JBoss BACKOFFICE server.

Launch the following script located in JBoss FRONTOFFICE\bin folder.

standalone.bat --server-config standalone-full.xml



```
C:\windows\system32\cmd.exe - standalone.bat --server-config standalone-full.xml
E:\Tools\jboss-as-7.1.1.Final_SupplierPortal\bin>standalone.bat --server-config standalone-full.xml
Calling "E:\Tools\jboss-as-7.1.1.Final_SupplierPortal\bin\standalone.conf.bat"
=====
JBoss Bootstrap Environment
JBOSS_HOME: E:\Tools\jboss-as-7.1.1.Final_SupplierPortal
JAVA: C:\Program Files (x86)\Java\jre7\bin\java
JAVA_OPTS: -XX:+TieredCompilation -Dprogram.name=standalone.bat -Xms64M -Xmx512M -XX:MaxPermSize=256M
-Dsun.rmi.dgc.server.gcInterval=3600000 -Djava.net.preferIPv4Stack=true -Dorg.jboss.resolver.warning=t
an -Djboss.server.default.config=standalone.xml
=====
10:50:44,105 INFO [org.jboss.modules] JBoss Modules version 1.1.1.GA
10:50:44,433 INFO [org.jboss.msc] JBoss MSC version 1.0.2.GA
10:50:44,464 INFO [org.jboss.as] JBAS015899: JBoss AS 7.1.1.Final "Brontes" starting
```

Figure 6 Launching JBoss – FRONTOFFICE

Launch the following link to open a console panel of the FRONTOFFICE JBoss server.

<http://localhost:19990/console/App.html>

Enter the credentials according to 3.1 point.

Navigate to *Deployments->Manage Deployments* and verify if all deployments are enabled.

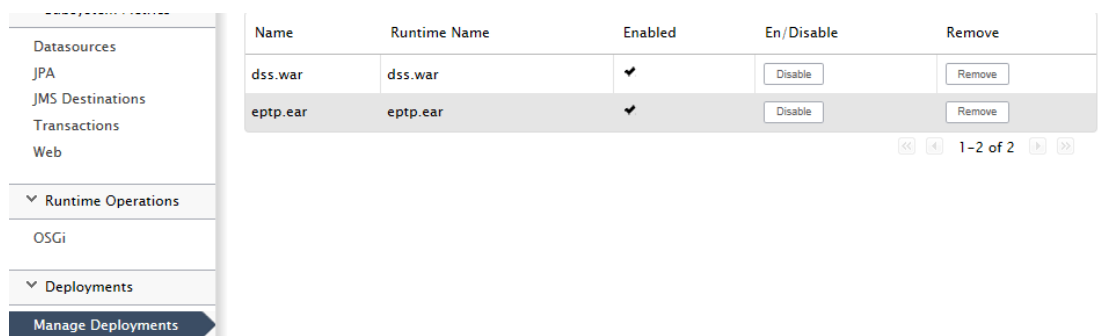


Figure 7 JBoss – FRONTOFFICE

4. SUBMIT TENDER FOR PRE-INSTALLED CFT

4.1. Back-Office - CUBE

Launch the following link to open the Cube portal.

<http://localhost:8081/CubeWeb/preAward.cat>

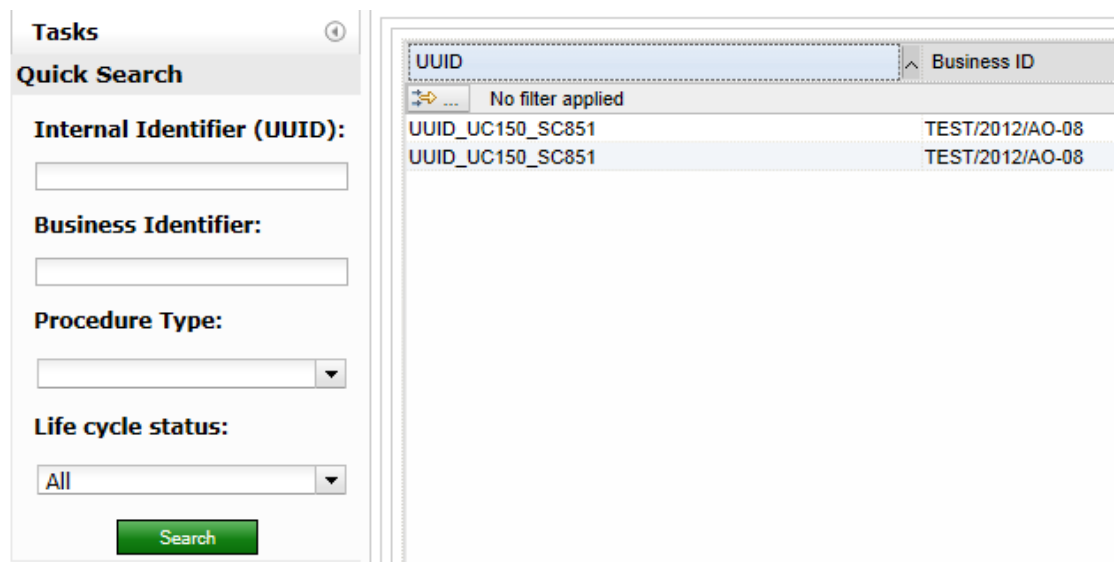
In a pop up window enter the following credentials.

User: **cube**

Password: **cube**

4.2. CUBE – Find pre-installed CFT

In the **Tasks** panel press the **Search** button. As a result, you should be able to retrieve two "Call for Tenders" that were pre-configured in the system for testing purposes.



The screenshot shows the 'Tasks' panel with a 'Quick Search' section. The search filters are: Internal Identifier (UUID): [empty], Business Identifier: [empty], Procedure Type: [dropdown], and Life cycle status: [All]. A green 'Search' button is at the bottom. To the right, a table displays the search results:

UUID	Business ID
No filter applied	
UUID_UC150_SC851	TEST/2012/AO-08
UUID_UC150_SC851	TEST/2012/AO-08

Figure 8 CUBE- List of pre-installed CFT

4.3. FRONT-OFFICE – Supplier Portal

To open the supplier portal, launch the following link

<http://localhost:8080/eptWeb/>



Figure 9 Supplier Portal – Welcome Screen

Secondly, click on *e-Submission* sub-module and log in using the following credentials:

User: **TEST**

Password: **TEST**

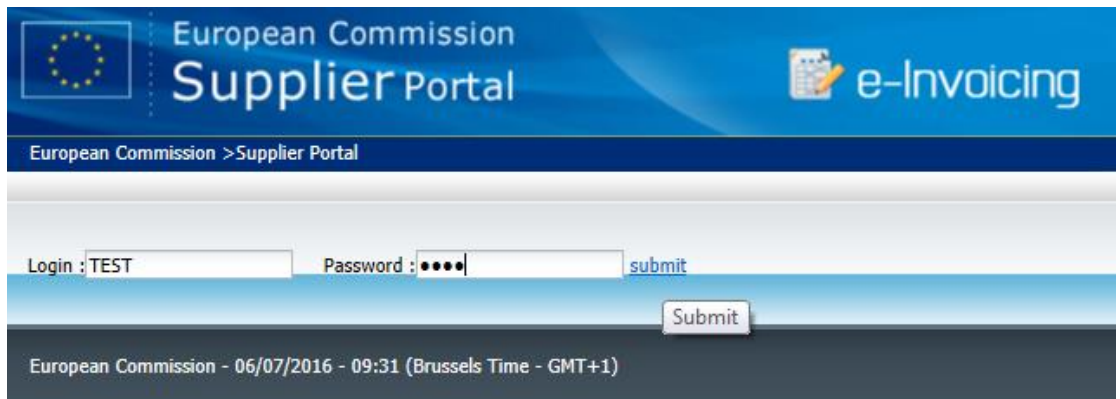


Figure 10 Supplier Portal – Log in

Once done, a dashboard will be displayed.

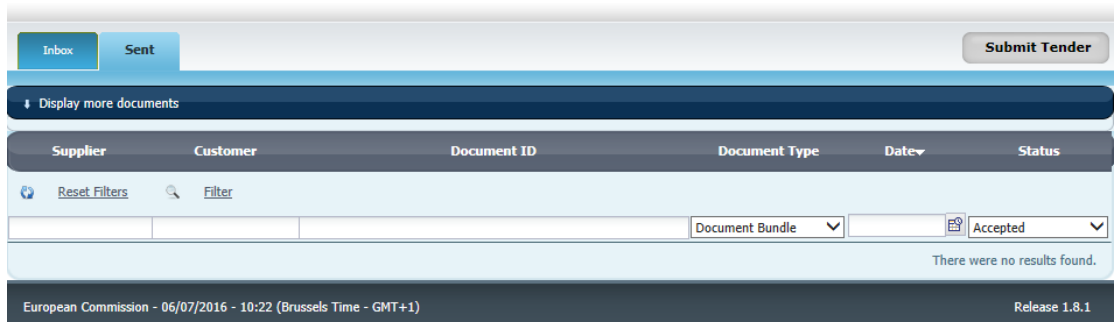


Figure 11 Supplier Portal – Dashboard

4.4. SPOTS – Submit tender for CFT

On the Supplier Portal press the **Submit Tender** button. After that an applet (a.k.a. SPOTS) will be launched.

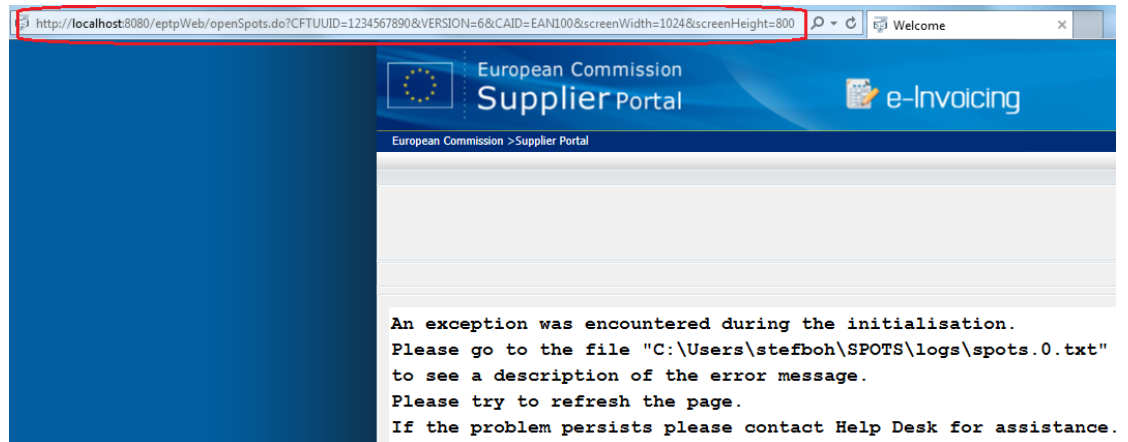


Figure 12 Launching SPOTS - Workaround

In order to submit a tender, a link must be generated manually, as described below:

1. Open **Cube** portal and click on the CFT for which the tender is supposed to be send.
2. Create a link as follows:
`http://localhost:8081/eptpWeb/spots/openSpots.do?CFTUUID=XxX&VERSION=XxX&CAID=XxX&screenWidth=1000&screenHeight=850`

UUID	Business ID	Procedure Type	Version
No filter applied			
UUID_UC150_SC851	TEST/2012/AO-08	1	1
UUID_UC150_SC851	TEST/2012/AO-08	1	2

`http://localhost:8080/eptpWeb/openSpots.do?CFTUUID=UUID_UC150_SC851&VERSION=2&CAID=EAN100&screenWidth=1024&screenHeight=800`

Tendering internal data	
Internal Identifier(UUID):	UUID_UC150_SC851
Business Identifier:	TEST/2012/AO-08
Version:	2
Issue Date:	03/11/2012

Contracting authority	
Name:	En: Party name - CFT-1
Country of registration:	BELGIUM
GLN:	EAN100

Procurement project	
Name:	Name
Description:	provision of scientific

Tenders	
Number of responses received to date:	2
Received tenders per lot:	2
- provision of scientific and technical assistance in the field of scientific customs	

Figure 13 CUBE - Link for launching SPOTS preparation

As a result, type the above-mentioned link in the same web browser (Tab).

http://localhost:8081/eptpWeb/spots/openSpots.do?CFTUID=UUID_UC150_SC851&VERSION=2&CAID=EAN100&screenWidth=1000&screenHeight=850

Finally, refresh web browser within corrected link.



Figure 14 CUBE – Corrected Link for SPOTS

4.5. SPOTS – Filling out a tender form

After typing the link, the form below will be displayed.

4.5.1. Step 1 of 4

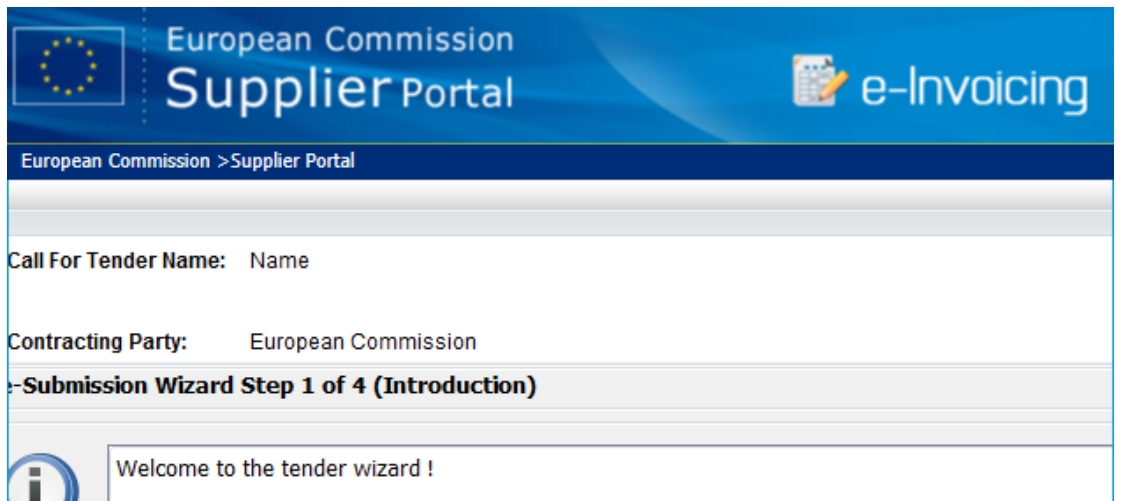


Figure 15 SPOTS – Tender wizard

4.5.2. Step 2 of 4

After having filled in the form, validate the tender.

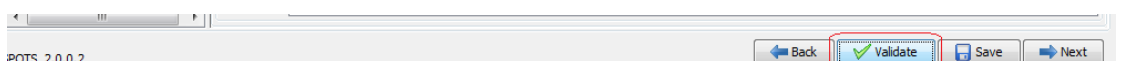


Figure 16 SPOTS – Validate Tender form

4.5.3. Step 3 of 4

Press the **Consolidate tender documents** button, secondly the **Attach the signed Preparation Report** button and attach a file as displayed below.

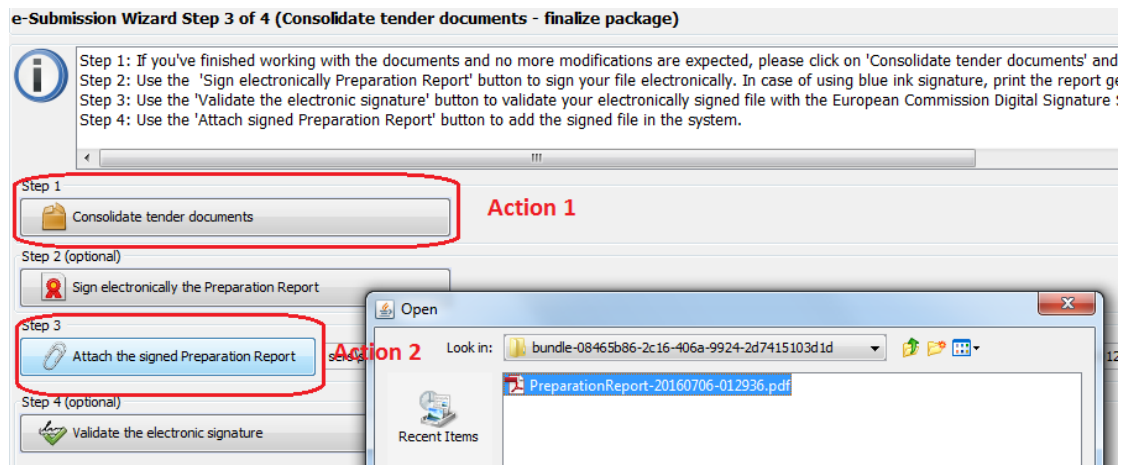


Figure 17 SPOTS – Consolidate tender

The below options are obsolete:

- (Step 2) *Sign electronically the Preparation Report*
- (Step 4) *Validate the electronic signature*

4.5.4. Step 4 of 4

Press the **Submit tender** button and copy the **Bundle Id** value for the verification purpose.

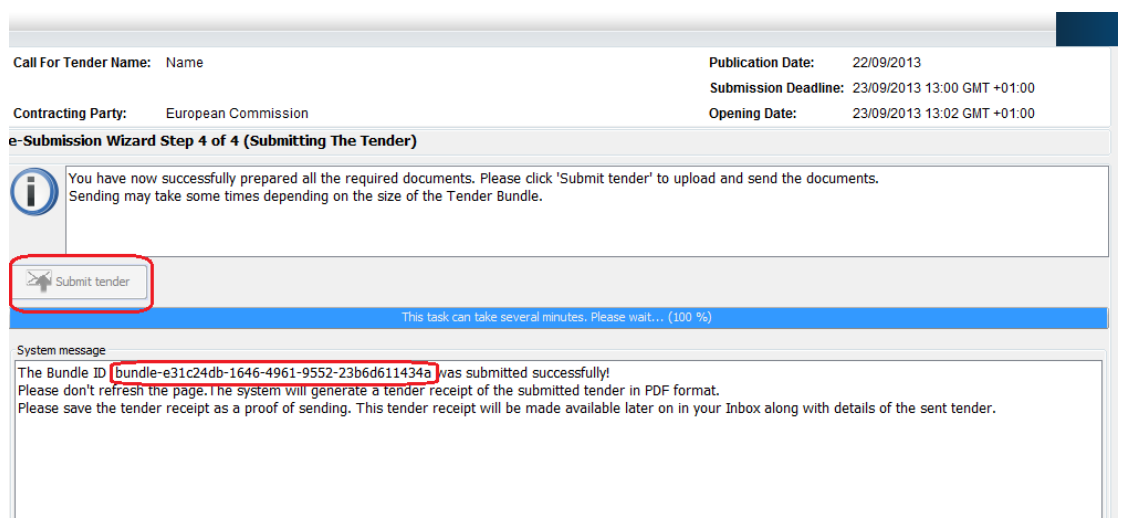


Figure 18 SPOTS – Tender successfully submitted

4.6. Supplier portal – Verifying a submitted tender

After the tender is submitted, press the **Supplier Portal** link and repeat the instructions given in 4.3 point.



Figure 19 SPOTS – Back to Supplier Portal dashboard

Finally, the submitted tender will be displayed in a dashboard as follows.

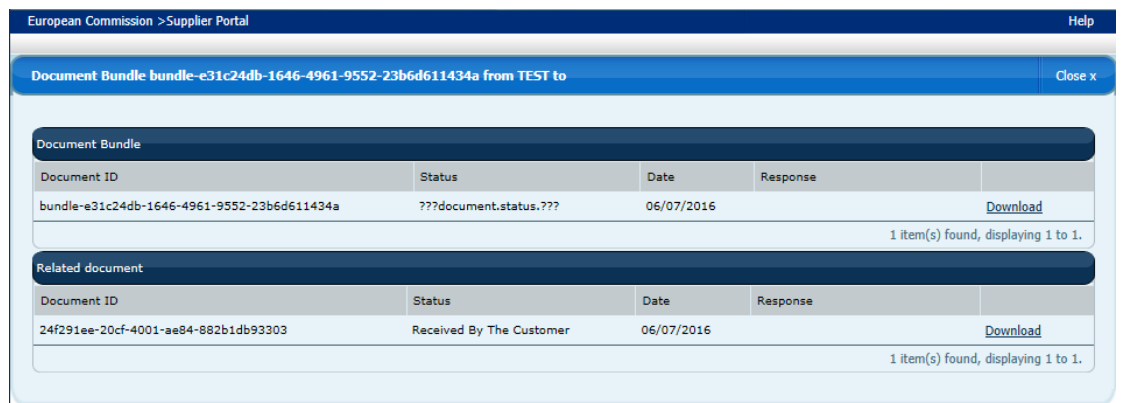


Figure 20 Supplier Portal – Submitted tender

4.7. CUBE – Verifying a submitted tender

Open the Cube portal and click on the CFT for which a tender has been already submitted.

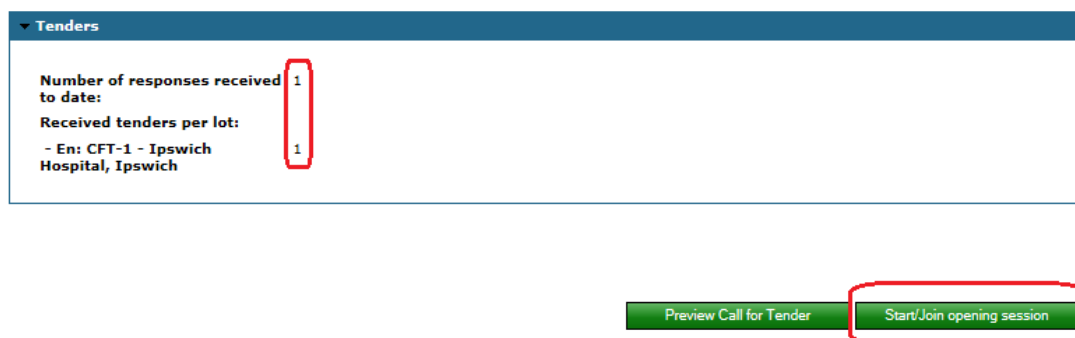


Figure 21 CUBE – Evidence of submitted tender

Before the opening session, download the private key file.

The private key can be found in the following svn repository:

https://joinup.ec.europa.eu/svn/openeprior/branches/V_1_4_0_PRE_AW/ARD/Implementation\CUBE\Configuration\PRIVATE_KEY

File: KeyPair.pem

Pass: **FakeCfT123**

Click on the **Start/Join opening session** button.

Enter the mentioned above private key file and password in a popup window.

Finally, the following screen within the details of the submitted tender will be displayed.

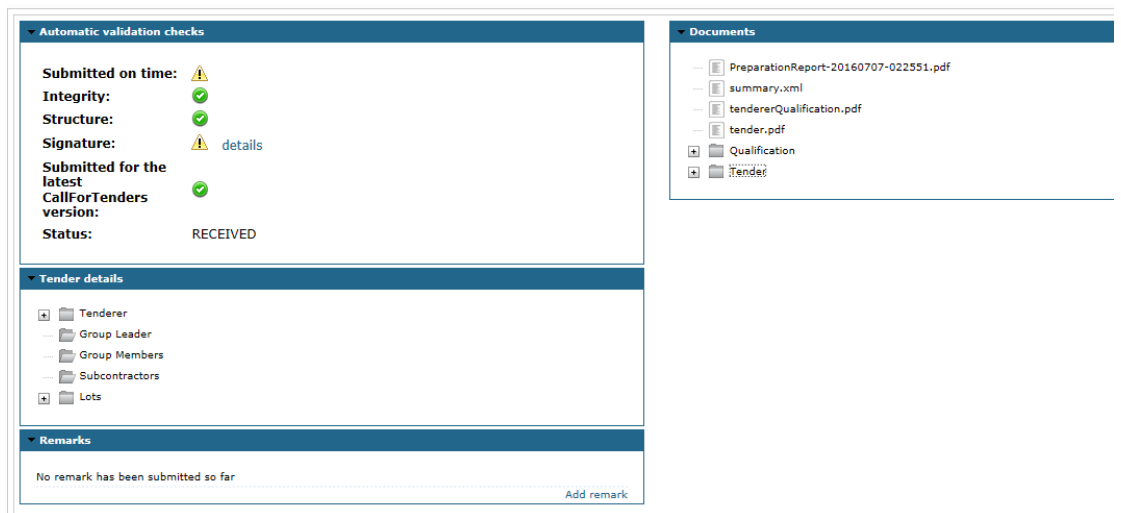


Figure 22 CUBE – Details of the submitted tender

5. SUBMIT NEW CFT

5.1. Submit CFT – SoapUI example

From the following SVN url:

https://joinup.ec.europa.eu/svn/openeprior/branches/V_1_4_0_PRE_AW_ARD/Tests/SOAPUI/

Copy the SoapUI project:

UC140-Submit-CallForTenders-soapui-project.xml

Open a request and enter the unique value for the UUID property as follows:

```
<ns6:UUID>20160708-0945</ns6:UUID>
```

Go to the **Auth(Basic)** Tab and enter the following credentials:

User: **eaccess**

Pass: **eaccess**

Finally, submit the request and verify a response.

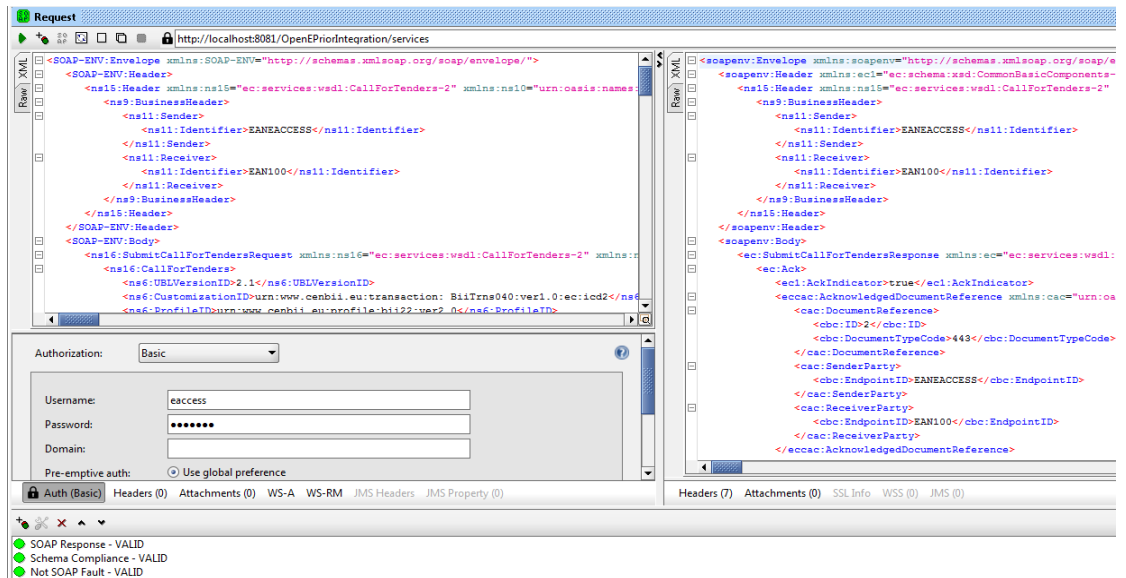


Figure 23 SoapUI – Submitting CFT

5.2. Verify submitted CFT – EPrior database

Log in to the EPrior database and execute the following SQL query:

*SELECT * FROM EPR_TB_MESSAGE order by MSG_ID desc*

(2 new rows are added)

Run (Ctrl+Enter) Clear SQL statement:

```
SELECT * FROM EPR_TB_MESSAGE order by MSG_ID desc
```

CFT generated by the backoffice CUBE

MSG_ID	MSG_CRE_DT	MSG_CRE_ID	MSG_MOD_DT	MSG_MOD_ID	MSG_OBJ_ID	MSG_SUP_ID	MSG_AGR_ID	MSG_IDP_ID	MSG_DIRECTION	MSG_MST_CD
375	2016-07-08 09:49:22.336	eprior	2016-07-08 09:49:22.336	eprior	282	39	46	0	OUT	CALL_FOR_TENDER :
374	2016-07-08 09:49:17.847	eprior	2016-07-08 09:49:17.847	eprior	281	38	45	0	IN	CALL_FOR_TENDER :

CFT Submitted to EPrior DB

Figure 24 EPrior DB– Evidence of submitted CFT

5.3. Verify submitted CFT – Cube database

Log in to the Cube database and execute the following SQL query:

*SELECT * FROM TND_TB_CFT order by CFT_ID desc*

Copy the CFT_ID value for the future purposes.

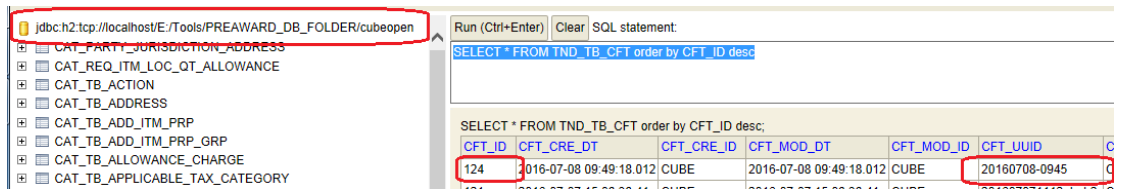


Figure 25 Cube DB – Evidence of submitted CFT

Verify a status of submitted CFT.

```
SELECT VER_CRE_DT, VER_STATUS FROM TND_TB_CFT_VERSION where  
VER_CFT_ID =124
```

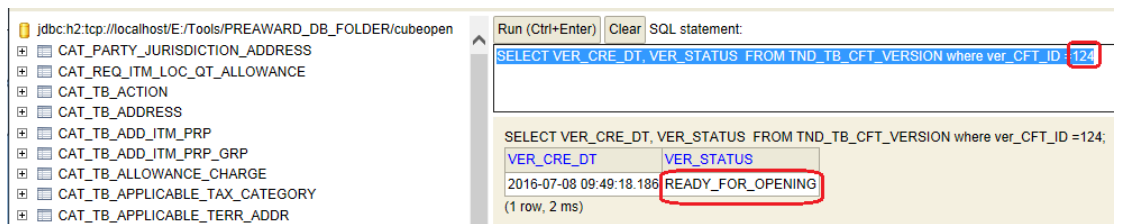


Figure 26 Cube DB – Status of submitted CFT

5.4. Workaround on Cube

Execute the following SQL query as a workaround to make CFT visible in the CUBE portal.

```
INSERT INTO TND_TB_AUTH_CFT  
(URS_USR_ID, URS_ROL_ID, URS_CFT_ID, URS_USR_CRE_DT, URS_USR_CRE_ID,  
URS_USR_MOD_DT, URS_USR_MOD_ID)  
VALUES (3, 6, XxX, sysdate, 'cube', sysdate, 'cube')
```

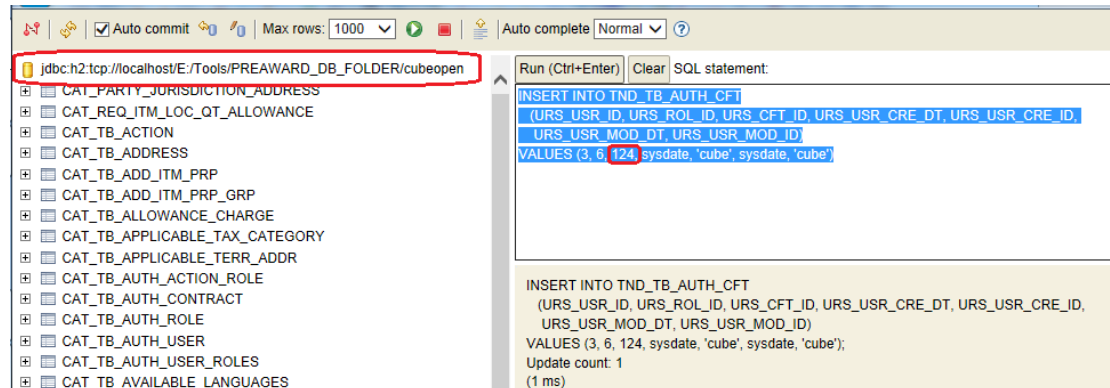


Figure 27 Cube DB – Workaround SQL query

Alternatively, use the following SQL subquery:

```
INSERT INTO TND_TB_AUTH_CFT  
(URS_USR_ID, URS_ROL_ID, URS_CFT_ID, URS_USR_CRE_DT, URS_USR_CRE_ID,  
  URS_USR_MOD_DT, URS_USR_MOD_ID)  
VALUES (3, 6, (select cft_id from tnd_tb_cft where cft_uid = '20160708-0945'), sysdate, 'cube', sysdate, 'cube')
```

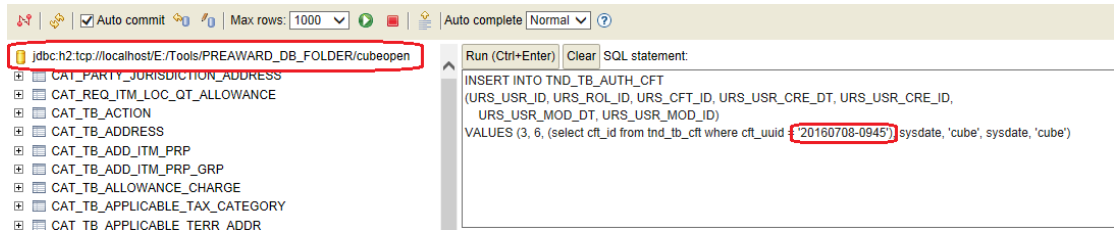


Figure 28 Cube DB – Workaround SQL query (alternative)

After the execution of the workaround, CFT will be displayed in a dashboard.

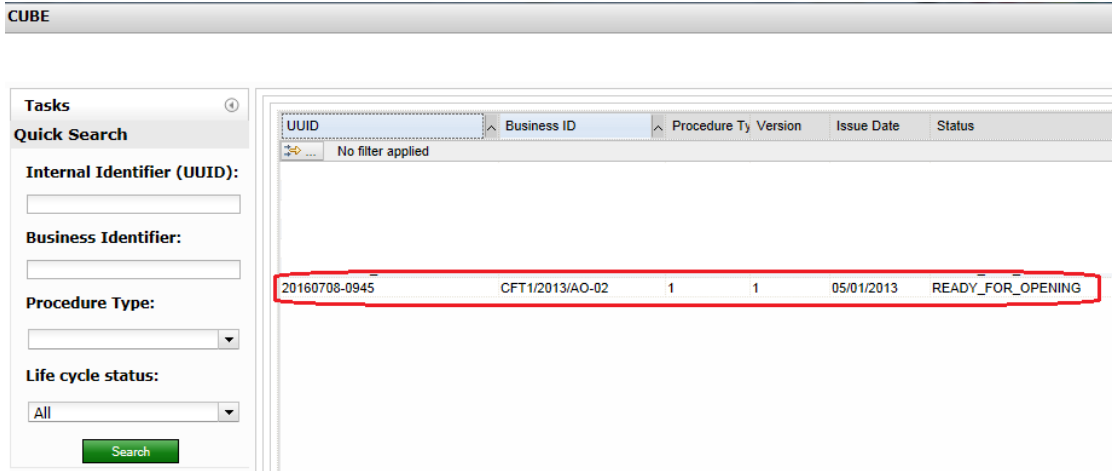


Figure 29 Cube – submitted CFT

Once done, follow the instructions given in point 4 to submit a tender for an already submitted CFT.

After execution the instructions given in point 4, as a final verification, log in to the EPrior database and execute the following SQL query.

*SELECT * FROM EPR_TB_MESSAGE order by MSG_ID desc*

(3 new rows are added)

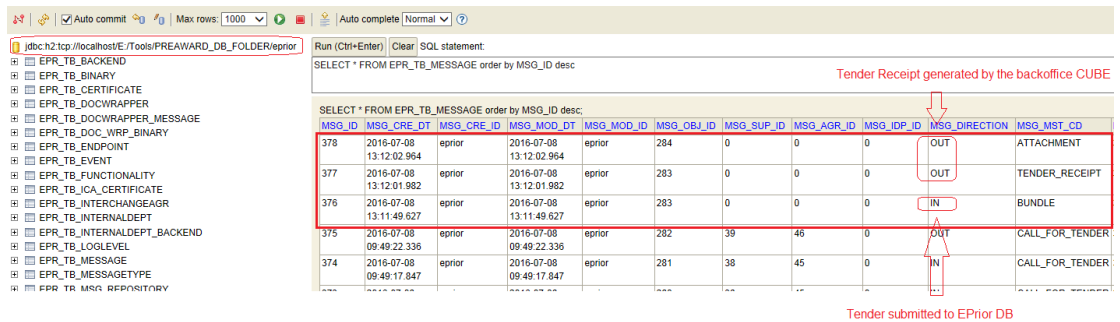


Figure 30 EPrior DB – Evidences of submitted a tender