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Test case #13332 RMU_UPDATE_INIT_ITI-92

Test Summary

Keyword : RMU_UPDATE_INIT_ITI-92	Type : conformity assessment
Name : RMU_UPDATE_INIT_ITI-92	Peer Type : NO_PEER_TEST
Version : 1.2	Status : ready
Author : wbars	Verified by : NicolasBailliet
Date of last 2020-07-16 16:32:04.259886 by aeschlimann	

Short Description : The Initiator prepares and issues an update to DocumentEntry metadata objects via Restricted Update Document (ITI-92) transaction with the Responder as a simulator.

Test Description

Special Instructions

In this case we will test the Restricted Update Document [ITI-92] transaction with a simulator acting as the RMU Update Responder. You will be asked to update two different document, a document with a status "Approved", and a document with a status "Deprecated".

ITI-92 must be grouped with an ITI-40. Before each request you must :

1. Use the [Identity Provider Simulator](#) to do an **Authenticate User** transaction (Use the patient nwttwerchristen)
2. Then do an **Get X-User Assertion** to the Assertion Provider Simulator (<https://ehealthsuisse.lhe-europe.net:10443/STS?wsdl>)
3. Use the SAML Assertion in your ITI-92 request
4. **This part is checked in the test case [XUA_X-SERVICE-USER_ITI-40](#). (you must link this test instance in the corresponding test step.)**

Description

- Before anything, configure your system to be able to test its role as X-Service User as explained in [XUA_X-SERVICE-USER_ITI-40](#).

- For this test, you'll need to access a document stored in the simulator. To initialize a document :

1. Access [Gazelle Webservice Tester](#) and log into the application;
2. Go to the menu "Run";
3. Select the test project name **EPR Restricted Metadata Update** from the drop-down list;
4. Select test suite **RMU - Document Initialization** by ticking the checkbox in front of its name;
5. Click on "Run" button
6. Wait for the script to complete its execution;
7. Repeat steps 2 to 6 with the test suite "**RMU - Deprecated Document Initialization**"

- Update the confidentiality code from normal to restricted for **both documents**. To do so, send your request to the following services (Use Gazelle Webservice Tester to identify the documents you just initialized):

[ITI-38] : https://ehealthsuisse.lhe-europe.net:10443/xdstools7/sim/epr-testing__for_init_gw_testing/rg/xoq

[ITI-92] : https://ehealthsuisse.lhe-europe.net:10443/xdstools7/sim/epr-testing__for_init_gw_testing/reg/rmu

- Once your requests has been executed, you'll need to recover the logs of your ITI-92 requests from XDSTools :

- Go to [XDSTools7 homepage](#)
- At the top of the page, set the **Environment** to **ehealthsuisse** and the **Test Session** to **epr-testing** from the drop-down lists
- At the left side of the page, click on the "**New Simulator Logs**" option (in the "**Toolkit**" section)
- Select the simulator that participated in your transaction (here it's **epr-testing__for_init_gw_testing**)
- In the **Message** menu, pick the logs corresponding to your transaction using your IP and transaction time
- From the **Request Body** tab, copy the **Envelope** of your request in an xml file

- **Now to validate all your requests with the validation tool [EVSCient](#) :**

- In EVSCient, choose on the menu **EPR > XD* Metadata > Validate**
- Upload your XML message. Then, in Model Based Validation select: **CH XDS.b ITI-92 Restricted Update Document Set - request (CH codes)** to validate your request
- Copy the permanent link to your validation in the corresponding test step

Evaluation

The monitor will check that you copied the link to this test instance to the corresponding test step of the test case [XUA_X-SERVICE-USER_ITI-40](#).

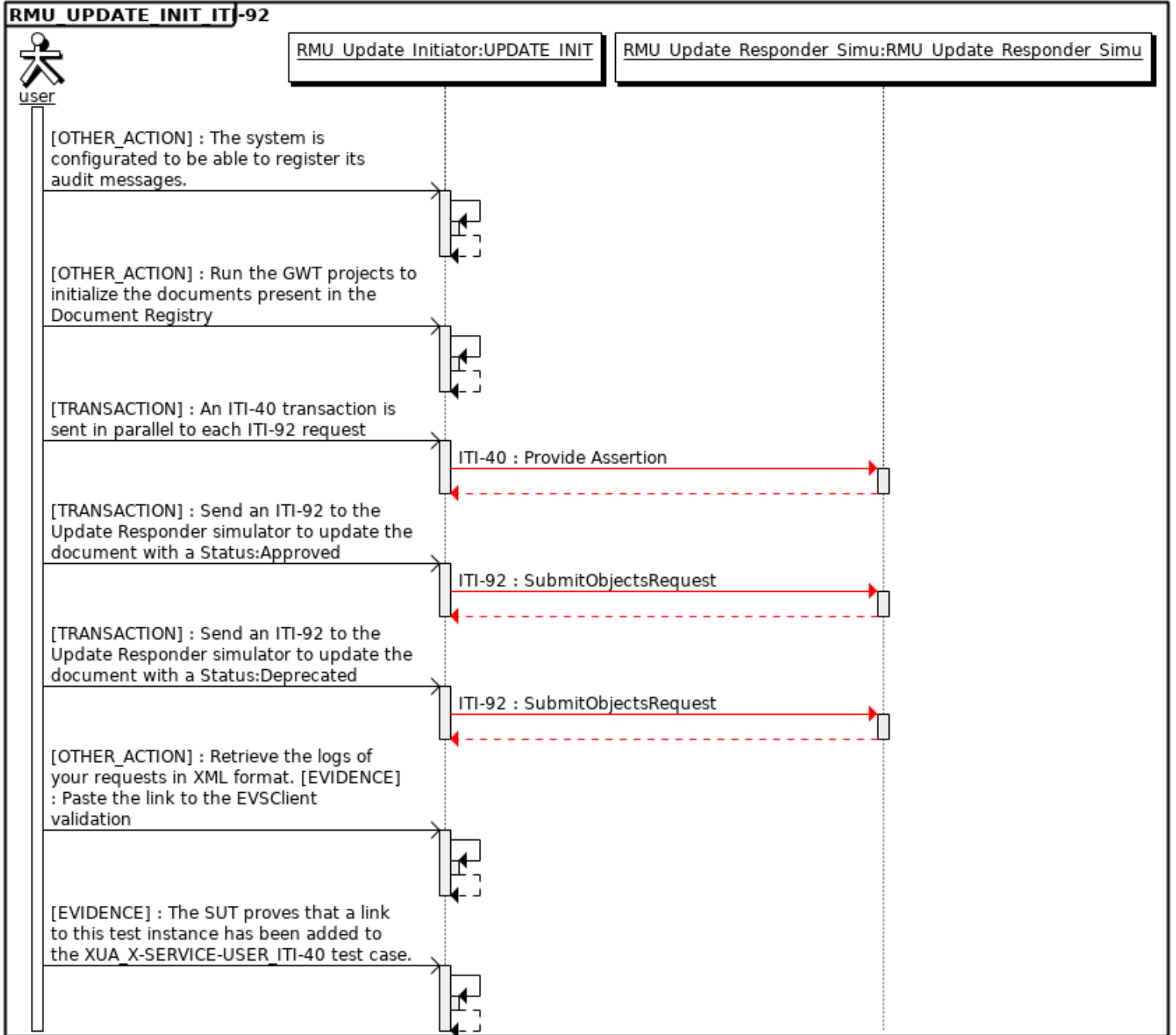
The **status** of the response to your **SubmitObjectsRequest** must be **Success**.

The validation of your request in EVSCient must return **PASSED**

Test Participants		
Role in test : RMU_Update_Initiator (SUT)	Option : R	Nb of instances : 1
Actor	Profile	Option
DOC_CONSUMER	XDS.b	NONE
X-SERV-USR	XUA	NONE
UPDATE_INIT	RMU	NONE
Role in test : RMU_Update_Responder_Simu (Tool)	Option : R	Nb of instances : 1

Test Steps							
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
5	RMU_Update_Initiator	RMU_Update_Initiator		none	No	Required	[OTHER_ACTION] : The system is configured to be able to register its audit messages.
7	RMU_Update_Initiator	RMU_Update_Initiator		ITI-42	No	Required	[OTHER_ACTION] : Run the GWT projects to initialize the documents present in the Document Registry
10	RMU_Update_Initiator	RMU_Update_Responder_Simu	ITI-40	Provide Assertion	Yes	Required	[TRANSACTION] : An ITI-40 transaction is sent in parallel to each ITI-92 request
15	RMU_Update_Initiator	RMU_Update_Responder_Simu	ITI-92	SubmitObjectsRequest	Yes	Required	[TRANSACTION] : Send an ITI-92 to the Update Responder simulator to update the document with a Status:Approved
17	RMU_Update_Initiator	RMU_Update_Responder_Simu	ITI-92	SubmitObjectsRequest	Yes	Required	[TRANSACTION] : Send an ITI-92 to the Update Responder simulator to update the document with a Status:Deprecated
20	RMU_Update_Initiator	RMU_Update_Initiator		Configure	No	Required	[OTHER_ACTION] : Retrieve the logs of your requests in XML format. [EVIDENCE] : Paste the link to the EVSClient validation
40	RMU_Update_Initiator	RMU_Update_Initiator		none	No	Required	[EVIDENCE] : The SUT proves that a link to this test instance has been added to the XUA_X-SERVICE-USER_ITI-40 test case.

Sequence Diagram



Special Instructions

In this case we will test the Restricted Update Document [ITI-92] transaction, with a simulator acting as the RMU Update Initiator actor. Your system will receive multiple documents that will be then updated.

As a pre-requisite : Your system needs to be properly integrated with Gazelle ADR Provider simulator. To do so use :

Gazelle ADR Provider service => <https://ehealthsuisse.ihe-europe.net:10443/adr-provider?wsdl> (URL secured with mutual authentication, not displayable in a web browser)

Simulator documentation => <https://ehealthsuisse.ihe-europe.net/gazelle-documentation/EPR-ADR-Simulator/user.html>

The Document Registry actor is expected to act as a X-Service provider. This test will also be used to assess this role. In order to do so, you'll need to follow the instructions from this test case :

[XUA_X-SERVICE-PROV_ITI-40](#)

Moreover, the Document Registry actor is expected to act as a X-Service user when sending an AuthorizationDecision query to an ADR Provider. This test will also be used to assess this role. In order to do so, you'll need to follow the instructions from this test case :

[XUA_X-SERVICE-USER_ITI-40](#)

In addition, the Document Registry actor is also expected to act as an AuthorizationDecision Consumer. This test will also be used to assess this role. In order to validate the conformity of your system in this role, you'll need to follow the instructions from this test case :

[CHADR FOR CONSUMER](#)

You'll also need to configure your RMU Update Responder actor to work with the following patient :

Name : Nilesch WITTIWER-CHRISTEN

nameID : 761337610411265304

In order to test your system capacity to accept updates for deprecated document, you will also need to be able to receive ITI-57 transactions (XDS-MU).

Description

Before anything, configure your system to be able to test its role as X-Service Provider, X-Service User and ADR Consumer.

In this test, we will execute three DocumentEntry Metadata update. In particular, we will update the parameter ConfidentialityCode of both an Approved and Deprecated document entry. In addition, we will also issue a deletion request for a deprecated document.

The test suite will first initialize documents in your XDS Document Repository, verify that the upload was successful (both the ITI-41 and ITI-42 transactions).

Then it might send an ITI-57 to deprecate this document entry (depending on the test suite), and afterward, an ITI-92 request with a modification to the document metadata will be sent to your system.

Finally, an ITI-18 request for the updated version of the document metadata will be send to the SUT. In the case of the deletion request, your system is expect to not return any metadata.

The requests will be sent to your SUT from Gazelle Webservice Tester. To execute this test:

1. Access [Gazelle Webservice Tester](#) and log into the application;
2. Go to the menu "Run";
3. Select the test project name **EPR Restricted Metadata Update** from the drop-down list;
4. Select test suite **RMU - Document Initialization & Update** by ticking the checkbox in front of its name;
5. Fill-in the informations corresponding to your system
6. Click on "Run" button
7. Wait for the script to complete its execution;
8. When the script stops, copy the permanent link of the execution to the test step in Gazelle Test Management
9. Execute steps 2 to 8 using the test suite **RMU - Deprecated Document update and deletion** this time

The conformance of the responses sent back by your system shall be assessed. In Gazelle Webservice Tester, validate the ITI-92 responses in EVSClient. To do so:

1. Go to the "Resume" tab then search for below transactions :
 - RMU - Document Initialization & Update / Initialization & Update / ITI-92 Restricted Metadata Update
 - RMU - Deprecated Document update and deletion / Deprecated document deletion / ITI-92 - Restricted Metadata Update - Deletion Request
1. Click on "Validation response"
2. You have been redirected to EVSClient, select validator **XDS**, the extension **CH** and the validator **CH XDS.b ITI-92 Restricted Update Document Set - request (CH codes)** and hit the "Go" button;
3. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
4. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK"

Evaluation

The monitor will check that you copied the link to this test instance to the corresponding test step of the test case [XUA_X-SERVICE-PROV_ITI-40](#) AND [XUA_X-SERVICE-USER_ITI-40](#).

The monitor will also check that you copied the link to the EVS Client validations for your ADR Authorization Decision queries to the corresponding test step of the test case [CHADR FOR CONSUMER](#) (one case is enough for the check)

The status of the transactions on GWT must be "**Passed**".

The validations on EVS Client must return "**Passed**".

Test Participants

Test Participants

Role in test : CH_ADR_PROVIDER_SIMULATOR (Tool) **Option :** R **Nb of instances :** 1

Role in test : RMU_Update_Initiator_Simu (Tool) **Option :** R **Nb of instances :** 1

Role in test : RMU_UPDATE_RESPONDER-WITH_XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-PROV	XUA	NONE
X-SERV-USR	XUA	NONE
AUTH_DECI_CONS	CH:ADR	NONE
UPDATE_RESP	RMU	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
2	RMU_Update_Initiator_Simu	RMU_Update_Initiator_Simu		None	No	Required	[OTHER_ACTION] : The system is configured to be able to register its audit messages.
3	RMU_Update_Initiator_Simu	RMU_Update_Initiator_Simu		None	No	Required	[OTHER_ACTION] The Document Registry is configured to communicate properly with the ADR provider simulator.
10	RMU_Update_Initiator_Simu	RMU_UPDATE_RESPONDER-WITH_XUA	ITI-92	SubmitObjectsRequest	Yes	Required	[TRANSACTION][EVIDENCE] Execute the corresponding project in GWT for the update of Approved documents. Validate your response to the ITI-92 request and copy the permanent link to the messages in this step.
18	RMU_UPDATE_RESPONDER-WITH_XUA	CH_ADR_PROVIDER_SIMULATOR	ITI-40	Provide X-User Assertion	Yes	Required	[TRANSACTION] : An ITI-40 is sent in parallel to the ADR Authorization Decision request from the SUT to the ADR Decision Provider
20	RMU_UPDATE_RESPONDER-WITH_XUA	CH_ADR_PROVIDER_SIMULATOR	AUTH_DECISION_REQUEST	XACMLAuthzDecisionQuery	Yes	Required	[TRANSACTION] : An ADR authorization decision request is sent to an ADR provider simulator to retrieve an access decision
22	RMU_Update_Initiator_Simu	RMU_UPDATE_RESPONDER-WITH_XUA	ITI-92	SubmitObjectsRequest	Yes	Required	

Test Steps							
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
<p>[TRANSACTION][EVIDENCE] Execute the corresponding project in GWT for the update of deprecated documents. Validate your response to the ITI-92 request and copy the permanent link to the messages in this step.</p>							
24	RMU_UPD ATE_RES PONDER- WITH_XUA	CH_ADR_PR OVIDER_SI MULATOR	ITI-40	Provide X-User Assertion	Yes	Required	
<p>[TRANSACTION] : An ITI-40 is sent in parallel to the ADR Authorization Decision request from the SUT to the ADR Decision Provider</p>							
26	RMU_UPD ATE_RES PONDER- WITH_XUA	CH_ADR_PR OVIDER_SI MULATOR	AUTH_DECIS ION_REQUES T	XACMLAuthzDeci sionQuery	Yes	Required	
<p>[TRANSACTION] : An ADR authorization decision request is sent to an ADR provider simulator to retrieve an access decision</p>							
30	RMU_Upd ate_Initiato r_Simu	RMU_Update _Initiator_Si mu		None	No	Required	
<p>[EVIDENCE] : The SUT proves that a link to this test instance has been added to both the XUA_X-SERVICE-PROV_ITI-40 test case and the XUA_X-SERVICE-USER_ITI-40 test case.</p>							
40	RMU_Upd ate_Initiato r_Simu	RMU_Update _Initiator_Si mu		None	No	Required	
<p>[EVIDENCE] : The SUT proves that a link to one EVS Client validations has been added to the CHADR_FOR_CONSUMER test case.</p>							

Sequence Diagram

