Tests definitions

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Test case #13437 CHXDS.b_DOC_CONS_CONF

Test Summary

Keyword :	CHXDS.b_DOC_CONS_CONF	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_CONS_CONF	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	aeschlimann	**Verified by :**	aberge
Date of last	2019-09-09 10:51:29.847254 by aeschlimann		

Short Description : Description of the registry and repository content used for testing.

Test Description

Description

The following informations are informative for SUT acting as document consumer.

The document consumer SUT MUST use these informations to query and retrieve documents from the simulator.

Patient ID : **761337610411265777^^^&2.16.756.5.30.1.127.3.10.3&ISO**

Repository Unique ID : **1.1.4567332.1.69**

Document Status : **Approved**

Endpoint [ITI-43] : **https://ehealthsuisse.ihe-europe.net:10443/xdstools7/sim/epr-testing__for_doc_consumer_testing/rep/ret**

Endpoint [ITI-18] : **https://ehealthsuisse.ihe-europe.net:10443/DocumentRegistry?wsdl**

ITI-43 and ITI-18 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 HCP aandrews)
2. Then do an **Get X-User Assertion** to the Assertion Provider Simulator (**https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl**)
3. Use the SAML Assertion in your ITI-18 and ITI-43 request

The datas of the differents documents used in the test cases :

Document 1 :
Document Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.2.20190717130018337

Submission Set Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.320190716095723594

Document 2 :

Document Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.2.20190717151013402

Submission Set Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.320190717145123438

Document 3 :
Document Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.2.20190719080608829

Submission Set Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.320190719080608829

Document 4 :
Document Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.2.20190719083718959

Submission Set Unique ID : 1.3.6.1.4.1.12559.11.25.1.16.320190719080608829

Evaluation

This test is purely informative and doesn't necessitate any evaluation.

The monitors can set this test as PASSED when it is executed.

Test Participants

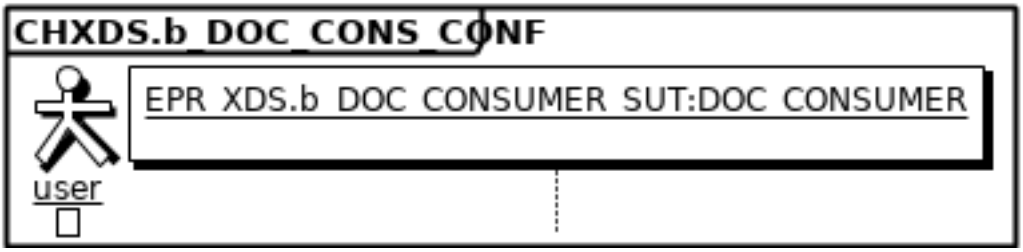
Role in test : EPR_XDS.b_DOC_CONSUMER_SUT (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
DOC_CONSUMER	XDS.b	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description

Sequence Diagram



Test case #13438 CHXDS.b_DOC_CONS_ITI-18

Test Summary

Keyword : CHXDS.b_DOC_CONS_ITI-18
Name : CHXDS.b_DOC_CONS_ITI-18
Version : 1.0
Author : aeschlimann
Date of last 2019-09-11 17:10:33.562396 by r.hilary

Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : aeschlimann

Short Description : This test verifies the SUT's ability to request a document metadatas through an ITI-18 transaction against a simulated XDS document registry (with the support of XUA).

Test Description

Special Instructions

In this test case, we will perform an ITI-18 transaction initiated by the SUT to a simulator acting as a XDS registry.

To perform this test, you'll need the datas listed in XDS.b_CONSUMER_CONF.

ITI-18 is grouped with ITI-40 transaction, in this case the Document Consumer act as an X-Service User. This part is checked in the test case XUA_X-SERVICE-USER_ITI-40. You must create a test instance of this and paste the link in the step 5.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint have to use HTTPS.

Description

- Using the datas provided in XDS.b_CONSUMER_CONF, perform the following transactions :

1. Retrieve the metadatas corresponding to all four documents by a ObjectRef Query, using their **document entry status** and their **document entry patient ID** (FindDocument query)
2. Retrieve the metadatas corresponding to Document 1 by a ObjectRef Query, using its **document unique ID** (GetDocument query)
3. Retrieve the metadatas corresponding to all four documents by a LeafClass Query, using their **submission set status** and **their submission set patient ID** (FindSubmissionSet query)
4. Retrieve the metadatas corresponding to BOTH Document 3 and 4 by a ObjectRef Query, using their **submission set unique ID** (GetSubmissionSet&Content query)

Please note that :

For each ITI-18 transaction, an ADR request is performed by the registry simulator to an ADR simulator to retrieve an access decision according to the confidentiality level (normal, restricted and secret).
This decision is based on the policy set prealably defined by the patient in the Policy Repository.
The Document Registry shall disclose the document metadata according to the rights given to the HCP in response to ITI-18.
The datas given to you (assertion, PID, ...)are known from both the document registry and ADR simulator and should return the datas and documents requested.

- The messages exchanged between your SUT and the simulator should have been recorded and be available in **Gazelle Webservice Tester**. For each test step flagged with [TRANSACTION]:

1. Access the messages in Gazelle Webservice Tester from the "**Mock messages**";
2. Find out the message of interest, you can use the filters to ease your search (we also recommand to do it before you move to the next step);
3. We want to verify the conformance of the request sent by your SUT, click on the play icon next to the request type;
4. You have been redirected to EVSClient, select validator: **XDS** and Extension **CH** and hit the "Go" button;
5. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
6. When the validation report shows up, a pop-up raises, click on "OK";
7. Copy the permanent link of the message in the test step using the "add link" feature.

Evaluation

The validations on EVS Client must return passed.

The responses returned for each query must have a status "Success" and return the requested metadata according to the request type (LeafType/ObjectRef).

Test Participants

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

Actor	Profile	Option
DOC_CONSUMER	XDS.b	NONE
X-SERV-USR	XUA	NONE

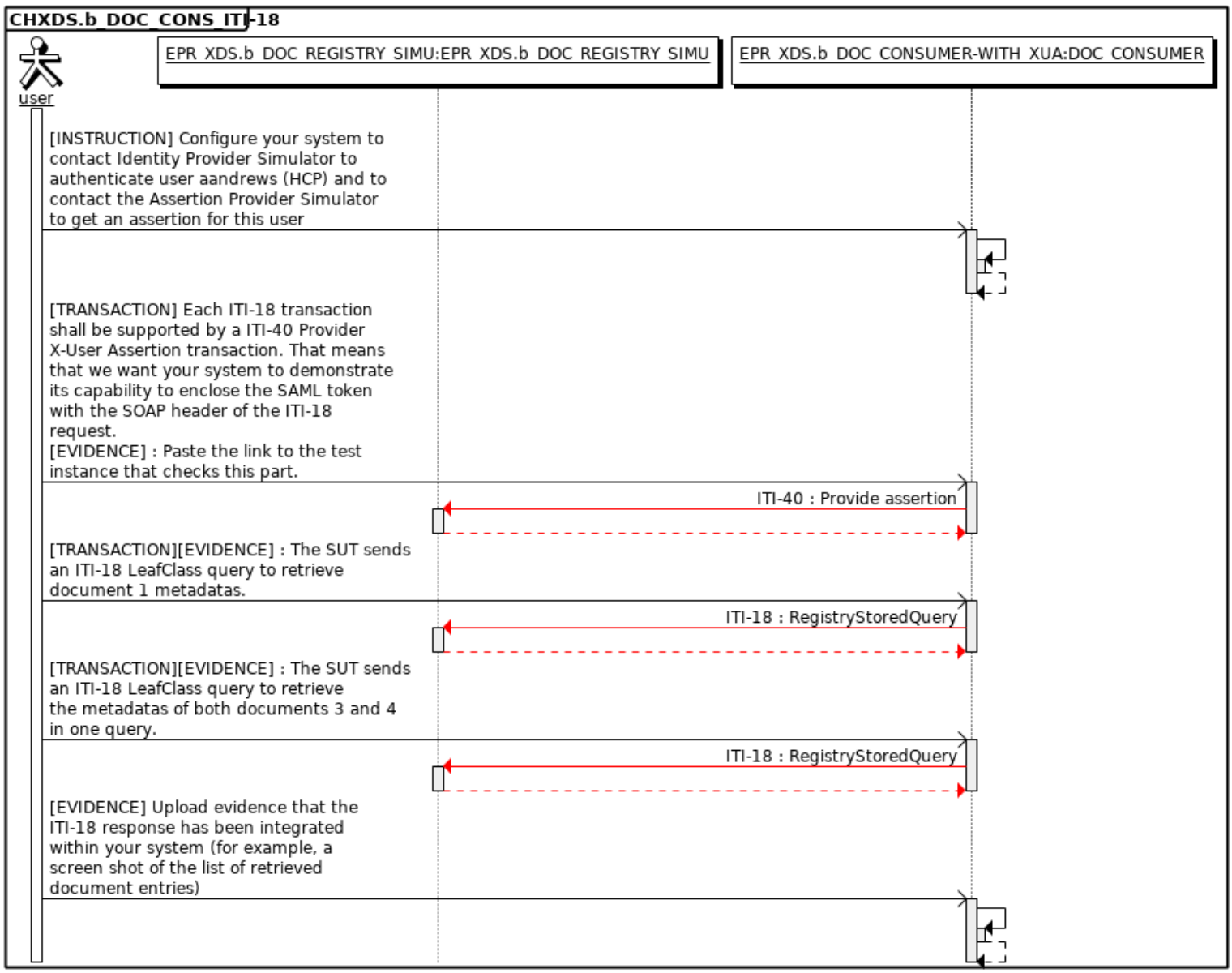
Test Participants

Role in test : EPR_XDS.b_DOC_REGISTRY_SIMU (Tool) **Option :** R **Nb of instances :** 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	EPR_XDS.b_DOC_CONSUMER-WITH_XUA	EPR_XDS.b_DOC_CONSUMER-WITH_XUA		-	No	Required	
[INSTRUCTION] Configure your system to contact Identity Provider Simulator to authenticate user aandrews (HCP) and to contact the Assertion Provider Simulator to get an assertion for this user							
5	EPR_XDS.b_DOC_CONSUMER-WITH_XUA	EPR_XDS.b_DOC_REGISTRY_SIMU	ITI-40	Provide assertion	Yes	Required	
[TRANSACTION] Each ITI-18 transaction shall be supported by a ITI-40 Provider X-User Assertion transaction. That means that we want your system to demonstrate its capability to enclose the SAML token with the SOAP header of the ITI-18 request. [EVIDENCE] : Paste the link to the test instance that checks this part.							
10	EPR_XDS.b_DOC_CONSUMER-WITH_XUA	EPR_XDS.b_DOC_REGISTRY_SIMU	ITI-18	RegistryStoredQuery	Yes	Required	
[TRANSACTION][EVIDENCE] : The SUT sends an ITI-18 LeafClass query to retrieve document 1 metadatas.							
30	EPR_XDS.b_DOC_CONSUMER-WITH_XUA	EPR_XDS.b_DOC_REGISTRY_SIMU	ITI-18	RegistryStoredQuery	Yes	Required	
[TRANSACTION][EVIDENCE] : The SUT sends an ITI-18 LeafClass query to retrieve the metadatas of both documents 3 and 4 in one query.							
40	EPR_XDS.b_DOC_CONSUMER-WITH_XUA	EPR_XDS.b_DOC_CONSUMER-WITH_XUA		None	No	Required	
[EVIDENCE] Upload evidence that the ITI-18 response has been integrated within your system (for example, a screen shot of the list of retrieved document entries)							

Sequence Diagram



Test case #13463 CHXDS.b_DOC_CONS_ITI-43

Test Summary

Keyword :	CHXDS.b_DOC_CONS_ITI-43	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_CONS_ITI-43	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	aeschlimann	**Verified by :**	aeschlimann
Date of last	2019-09-06 11:29:11.323543 by aeschlimann		

Short Description : This test is to verify the SUT capacity to request a document through an ITI-43 transaction with a XDS document repository.

Test Description

Special Instructions

In this test case, we will perform an ITI-43 transaction initiated by the SUT to a simulator acting as a XDS repository.

To perform this test, you'll need the datas listed in XDS.b_CONSUMER_CONF.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint have to use HTTPS.

Please note that :

For each ITI-43 transaction, an ADR request is performed by the registry simulator to an ADR simulator to retrieve an access decision according to the confidentiality level (normal, restricted and secret).
This decision is based on the policy set prealably defined by the patient in the Policy Repository.
The Document Registry shall disclose the document metadata according to the rights given to the HCP in response to ITI-43.
The datas given to you (assertion, PID, ...)are known from both the document registry and ADR simulator and should return the datas and documents requested.

Description

- Using the datas provided in XDS.b_CONSUMER_CONF, perform the following transactions :

1. Retrieve Document 1.
2. Retrieve BOTH Document 3 and 4 in one query.

Take note of the time at which you initiated your transaction, it'll be helpful for the next step.

- Once your requests has been executed, you'll need to recover their logs 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_doc_consumer_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 Enveloppe of your request in an xml file

- Now to validate all your requests with the validation tool EVSClient :

- In EVSClient, choose on the menu **EPR > XD* Metadata > Validate**
- Upload your XML message. Then, in Model Based Validation select: **CH XDS.b ITI-43 Retrieve Document Set - request** to validate your request
- Copy the permanent link to your validation in the corresponding test step

For each steps, upload a proof that your system has correctly retrieved the documents.

Evaluation

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

You must show a proof that your system received the correct documents (a screenshot).

Test Participants

Role in test : EPR_XDS.b_DOC_CONSUMER_SUT (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
DOC_CONSUMER	XDS.b	NONE

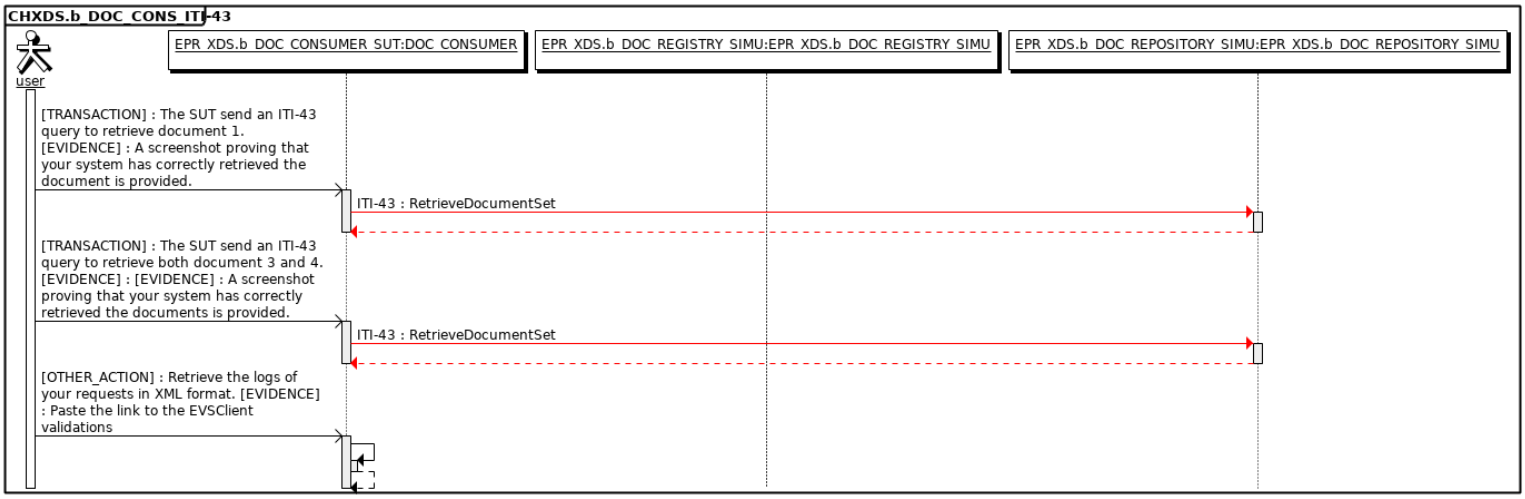
Role in test : EPR_XDS.b_DOC_REGISTRY_SIMU (Tool) **Option :** R **Nb of instances :** 1

Role in test : EPR_XDS.b_DOC_REPOSITORY_SIMU (Tool) **Option :** R **Nb of instances :** 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	EPR_XDS.b_DOC_CONSUMER_SUT	EPR_XDS.b_DOC_REPOSITORY_SIMU	ITI-43	RetrieveDocumentSet	Yes	Required	
[TRANSACTION] : The SUT send an ITI-43 query to retrieve document 1. [EVIDENCE] : A screenshot proving that your system has correctly retrieved the document is provided.							
30	EPR_XDS.b_DOC_CONSUMER_SUT	EPR_XDS.b_DOC_REPOSITORY_SIMU	ITI-43	RetrieveDocumentSet	Yes	Required	
[TRANSACTION] : The SUT send an ITI-43 query to retrieve both document 3 and 4. [EVIDENCE] : [EVIDENCE] : A screenshot proving that your system has correctly retrieved the documents is provided.							
40	EPR_XDS.b_DOC_CONSUMER_SUT	EPR_XDS.b_DOC_CONSUMER_SUT		None	No	Required	
[OTHER_ACTION] : Retrieve the logs of your requests in XML format. [EVIDENCE] : Paste the link to the EVSClient validations							

Sequence Diagram



Test case #13519 CHXDS.b_DOC_REG_CONF

Test Summary

Keyword : CHXDS.b_DOC_REG_CONF
Name : CHXDS.b_DOC_REG_CONF
Version : 1.0
Author : aeschlimann
Date of last 2019-09-17 17:54:21.39461 by aeschlimann

Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : Configuration and data feed for the XDS Document Registry.

Test Description

Special Instructions

This test case shall be executed as the first test for the XDS Document Registry because it gives guidance to the user on how to configure his/her registry.

Description

To integrate the Document Registry to ADR Provider :

For each transaction that will be received by the Document Registry, a CH:ADR Authorization Decision Query is expected from the Document Registry to an ADR Provider. In response to the request received, the action requested should be performed or not according to the Authorization Decision response. The **Document Registry MUST be configured to send Authorization Decision Queries to the Gazelle simulator ADR Provider.**

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

Evaluation

No formal evaluation is expected for this test, the next tests will demonstrate that you have correctly configured your registry

Test Participants

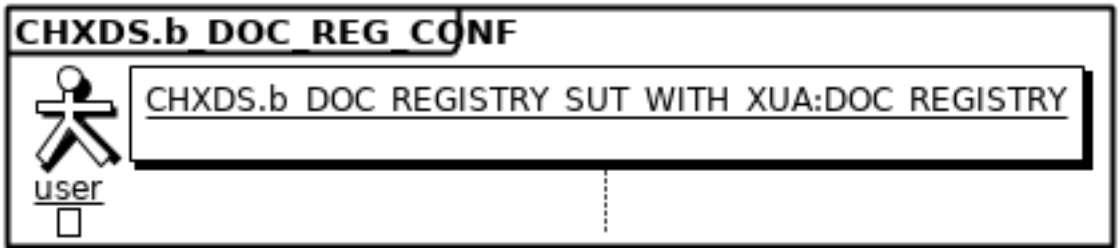
Role in test : CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-PROV	XUA	NONE
X-SERV-USR	XUA	NONE
AUTH_DECI_CONS	CH:ADR	NONE
DOC_REGISTRY	CH:XDS.b	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description

Sequence Diagram



Test case #13436 CHXDS.b_DOC_REG_ITI-18

Test Summary

Keyword :	CHXDS.b_DOC_REG_ITI-18	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_REG_ITI-18	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	aeschlimann	**Verified by :**	aberge
Date of last	2019-09-12 16:36:55.229115 by aeschlimann		

Short Description : This test is to verify the SUT capacity to provide document metadatas through an ITI-18 transaction with a XDS document consumer.

Test Description

Special Instructions

In this test case, we will test an ITI-18 transaction initiated by a simulator acting as a XDS Document Consumer.

The metadata stored in your Document Registry will be initialized through an ITI-42 Register Document Set request sent by the project that will be executed on Gazelle Webservice Tester (GWT).

As a pre-requisite : you have ran the **CHXDS_DOC_REG_CONF** test. **Your system needs to be properly integrated with Gazelle ADR Provider simulator.**
This test is executed using Gazelle Webservice Tester as a CH:XDS Document Registry actor. A test suite has been designed to issue requests from different HealthCare Professionnals with different access rights for document metadata with different confidentiality level.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint have to use HTTPS.

The Document Registry actor is expected to act as a X-Service provider. This test will also be used to assess this role for ITI-18 transaction. 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 case of an ITI-18 transaction. 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 case of an ITI-18 transaction. 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

Description

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

- 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 menu "Run";
3. Select the test project name **EPR XDS Document Registry** from the drop-down list;
4. Select test suite **[ITI-42] Registry Initialization** by ticking the checkbox in front of its name in order to add the metadata to your system
5. Enter the URL of your system under test endpoint (shall be a secured endpoint)
6. Click on "Run" button
7. Wait for the script to complete its execution;
8. Reproduce steps 3 to 7 but this time tick the box for **[ITI-18] Query Testing - nominal cases** at step 5
9. When the script stops, copy the permanent link of the execution to the evidence test step in Gazelle Test Management
10. Reproduce steps 3 to 7 but this time tick the box for **[ITI-18] Query Testing - invalid cases** at step 5
11. When the script stops, copy the permanent link of the execution to the evidence test step in Gazelle Test Management
12. Reproduce steps 3 to 7 but this time tick the box for **[ITI-18] Query Testing - error cases** at step 5
13. When the script stops, copy the permanent link of the execution to the evidence test step in Gazelle Test Management

To validate your messages :

- The conformance of the ITI-18 responses sent back by your system shall be assessed. In Gazelle Webservice Tester, validate the message in EVSClient. To do so:

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient, select validator: XDS and Extension **CH** 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, 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 "invalid case" and one "nominal case" needs to be checked)

The status of the transaction on GWT for the ITI-18 transaction must be "**Passed**".

The validations on EVS Client for the ITI-18 transaction must return "**Passed**".

Test Participants

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

Role in test : CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA **Option :** R **Nb of instances :** 1

Actor	Profile	Option

Test Participants

Actor	Profile	Option
X-SERV-PROV	XUA	NONE
X-SERV-USR	XUA	NONE
AUTH_DECI_CONS	CH:ADR	NONE
DOC_REGISTRY	CH:XDS.b	NONE

Role in test : EPR_XDS.b_DOC_CONSUMER_SIMU (Tool) **Option :** R **Nb of instances :** 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
9	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[OTHER_ACTION] : The system is configurated to be able to register its audit messages.							
10	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[OTHER_ACTION] The Document Registry is configured to communicate properly with the ADR provider simulator.							
19	EPR_XDS.b_DOC_CONSUMER_SIMU	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	ITI-40	Provide X-User Assertion	Yes	Required	
[TRANSACTION] : Runing the project on GWT initiate an ITI-40 in parallel to the ITI-18 request from the Document Consumer simulator to the SUT							
20	EPR_XDS.b_DOC_CONSUMER_SIMU	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	ITI-18	RegistryStoredQuery	Yes	Required	
[TRANSACTION] : Runing the project on GWT initiate an ITI-18 request from the Document Consumer simulator to the SUT							
30	CHXDS.b_DOC_REGISTRY_SUT_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							
40	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CH_ADR_PROVIDER_SIMULATOR	AUTH_DECISION_REQUEST	ADR Request	Yes	Required	

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
[TRANSACTION] : An ADR authorization decision request is sent to an ADR provider simulator to retrieve an access decision according to the confidentiality level (normal, restricted and secret) and policy set.							
50	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[EVIDENCE] : The links to the validations of all messages on GWT is provided.							
70	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[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.							
80	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[EVIDENCE] : The SUT proves that a link to each relevant EVS Client validations has been added to the CHADR_FOR_CONSUMER test case.							

Sequence Diagram

Test case #13435 CHXDS.b_DOC_REG_ITI-42

Test Summary

Keyword :	CHXDS.b_DOC_REG_ITI-42	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_REG_ITI-42	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	aeschlimann	**Verified by :**	aberge
Date of last	2019-09-12 16:35:57.584807 by aeschlimann		

Short Description : This test is to verify the SUT capacity to register a document metadatas through an ITI-42 transaction with a XDS document repository.

Test Description

Special Instructions

In this test case, we will test the ITI-42 transaction initiated by a simulator acting as a XDS Document Repository.

As a pre-requisite : you have ran the **CHXDS_DOC_REG_CONF** test. **Your system needs to be properly integrated with Gazelle ADR Provider simulator.**
This test is executed using Gazelle Webservice Tester as a CH:XDS Document Registry actor. The tests played have been designed to issue requests from different HealthCare Professionnals with different writing rights, for document with different confidentiality level.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint have to use HTTPS.

The Document Registry actor is expected to act as a X-Service provider. This test will also be used to assess this role for ITI-42 transaction. 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 case of an ITI-42 transaction. 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 case of an ITI-42 transaction. 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

Description

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

- 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 menu "Run";
3. Select the test project name **EPR XDS Document Registry** from the drop-down list;
4. Select test suite **[ITI-42] Registry Testing - nominal cases** by ticking the checkbox in front of its name;
5. Enter the URL of your system under test endpoint (shall be a secured endpoint)
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. Reproduce steps 3 to 8 but this time tick the box for **[ITI-42] Registry Testing - invalid cases** at step 5
10. Reproduce steps 3 to 8 but this time tick the box for **[ITI-42] Registry Testing - error cases** at step 5

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

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient, select validator: XDS and Extension **CH** 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, 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 "invalid case" and one "nominal case" needs to be checked)

The status of the transaction on GWT for the ITI-42 transaction must be "**Passed**".

The validations on EVS Client for the ITI-42 transaction must return "**Passed**".

Test Participants

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

Role in test : CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA **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
DOC_REGISTRY	CH:XDS.b	NONE

Test Participants

Role in test : EPR_XDS.b_DOC_REPOSITORY_SIMU (Tool) **Option :** R **Nb of instances :** 1

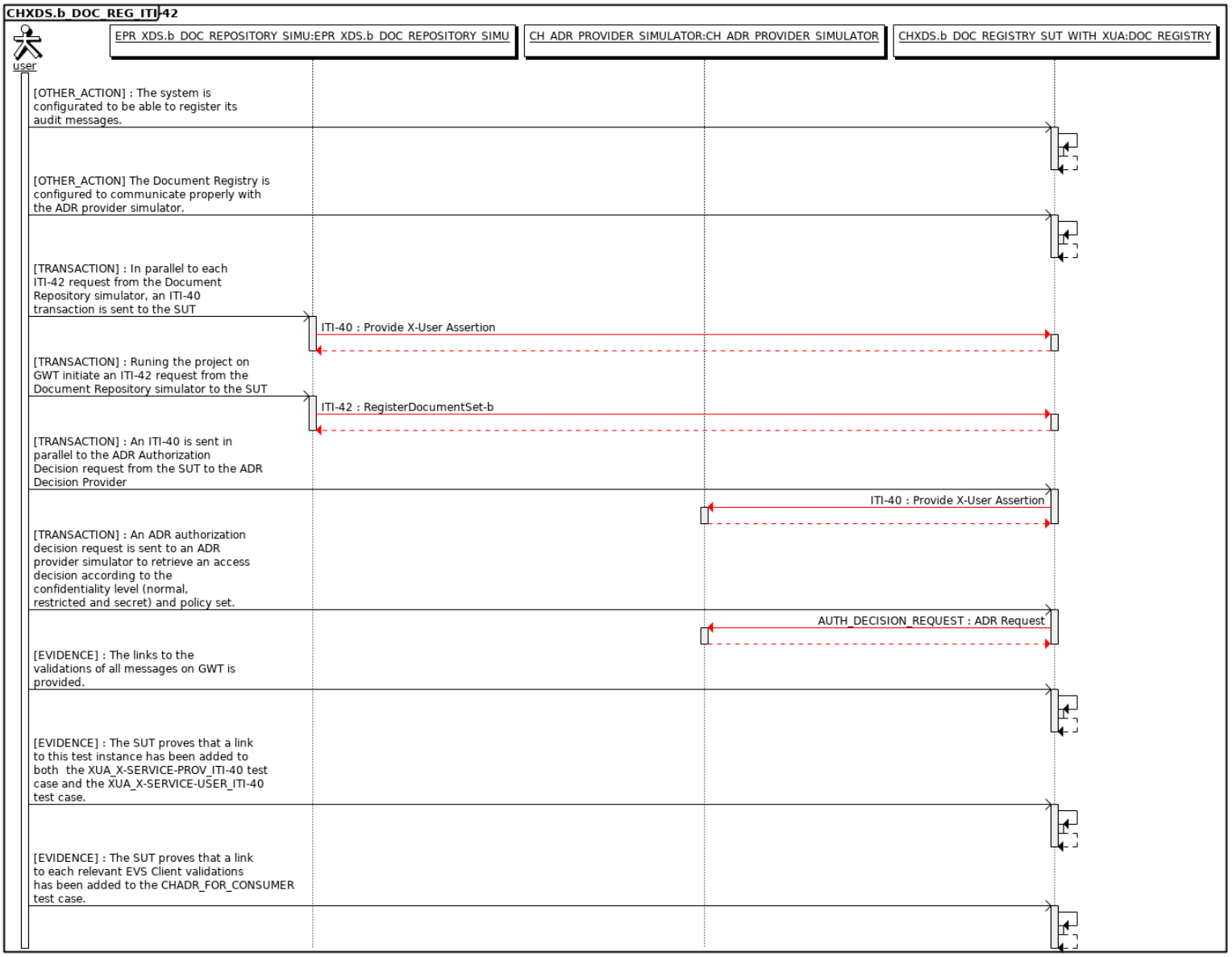
Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
5	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[OTHER_ACTION] : The system is configurated to be able to register its audit messages.							
10	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[OTHER_ACTION] The Document Registry is configured to communicate properly with the ADR provider simulator.							
19	EPR_XDS.b_DOC_REPOSITORY_SIMU	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	ITI-40	Provide X-User Assertion	Yes	Required	
[TRANSACTION] : In parallel to each ITI-42 request from the Document Repository simulator, an ITI-40 transaction is sent to the SUT							
20	EPR_XDS.b_DOC_REPOSITORY_SIMU	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	ITI-42	RegisterDocument Set-b	Yes	Required	
[TRANSACTION] : Runing the project on GWT initiate an ITI-42 request from the Document Repository simulator to the SUT							
30	CHXDS.b_DOC_REGISTRY_SUT_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							
40	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CH_ADR_PROVIDER_SIMULATOR	AUTH_DECISION_REQUEST	ADR Request	Yes	Required	
[TRANSACTION] : An ADR authorization decision request is sent to an ADR provider simulator to retrieve an access decision according to the confidentiality level (normal, restricted and secret) and policy set.							
50	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
[EVIDENCE] : The links to the validations of all messages on GWT is provided.							
60	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[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.							
70	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA	CHXDS.b_DOC_REGISTRY_SUT_WITH_XUA		None	No	Required	
[EVIDENCE] : The SUT proves that a link to each relevant EVS Client validations has been added to the CHADR_FOR_CONSUMER test case.							

Sequence Diagram



Test case #13316 CHXDS.b_DOC_REG_ITI-57

Test Summary

Keyword :	CHXDS.b_DOC_REG_ITI-57	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_REG_ITI-57	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-12 15:35:53.206697 by aeschlimann		

Short Description : Document Registry SUT receives update document metadata from Document Administrator Simulato

Test Description

Special Instructions

As a pre-requisite : you have ran the **CHXDS_DOC_REG_CONF** test. **Your system needs to be properly integrated with Gazelle ADR Provider simulator.**
This test is executed using Gazelle Webservice Tester as a CH:XDS Document Registry actor.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint have to use HTTPS.

In this case we will test the Update Document Set (ITI-57) transaction with a simulator as the Document Administrator.
Your registry will be initialized by uploading a document to the repository it is attached to, then the metadata of the document will be modified through an ITI-57 request.

The Document Registry actor is expected to act as a X-Service provider. This test will also be used to assess this role for ITI-57 transaction. 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 case of an ITI-57 transaction. 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 case of an ITI-57 transaction. 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

Description

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

- 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 menu "Run";
3. Select the test project name **EPR XDS Document Registry** from the drop-down list;
4. Select test suite **[ITI-57] Query Testing - nominal case** by ticking the checkbox in front of its name
5. Enter the URL of your system under test endpoint (you need the endpoint to your repository and the endpoints corresponding to your registry for ITI-18 and ITI-57 requests)
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 evidence test step in Gazelle Test Management (step 50)

To validate your messages :

- The conformance of the ITI-57 response sent back by your system shall be assessed. In Gazelle Webservice Tester, validate the message in EVSClient. To do so:

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient, select validator: XDS and Extension **CH** 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, 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 query to the corresponding test step of the test case CHADR_FOR_CONSUMER

The status of the transaction on GWT for the ITI-57 transaction must be "**Passed**".

The validations on EVS Client for the ITI-57 transaction must return "**Passed**".

Test Participants

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

Role in test : DOC_ADMIN-XDS.b-UpdateMetadata_SIMU (Tool) **Option :** R **Nb of instances :** 1

Test Participants

Role in test : DOC_REGISTRY-XDS.b-DocMetadataUpdate **Option :** R **Nb of instances :** 1

Actor	Profile	Option
SN	ATNA	NONE
SA	ATNA	NONE
X-SERV-PROV	XUA	NONE
X-SERV-USR	XUA	NONE
DOC_REGISTRY	XDS.b	DOC_METADATA_UPDATE
AUTH_DECI_CONS	CH:ADR	NONE

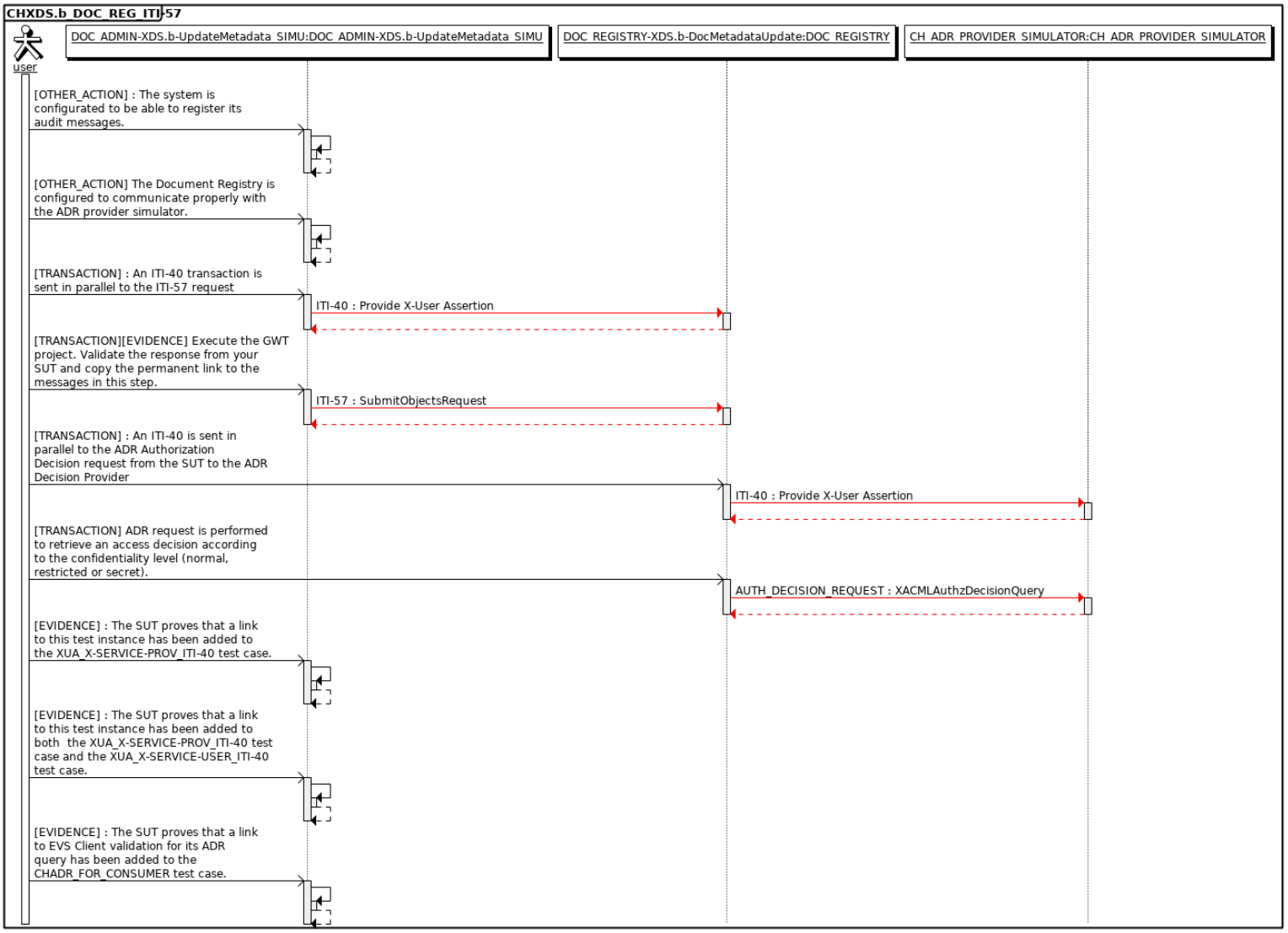
Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
9	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU		Configure	No	Required	
[OTHER_ACTION] : The system is configurated to be able to register its audit messages.							
10	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU		Configure	No	Required	
[OTHER_ACTION] The Document Registry is configured to communicate properly with the ADR provider simulator.							
19	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_REGISTRY-XDS.b-DocMetadataUpdate	ITI-40	Provide X-User Assertion	Yes	Required	
[TRANSACTION] : An ITI-40 transaction is sent in parallel to the ITI-57 request							
20	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_REGISTRY-XDS.b-DocMetadataUpdate	ITI-57	SubmitObjectsRequest	Yes	Required	
[TRANSACTION][EVIDENCE] Execute the GWT project. Validate the response from your SUT and copy the permanent link to the messages in this step.							
23	DOC_REGISTRY-XDS.b-DocMetadataUpdate	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							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
25	DOC_REGISTRY-XDS.b-DocMetadataUpdate	CH_ADR_PROVIDER_SIMULATOR	AUTH_DECISION_REQUEST	XACMLAuthzDecisionQuery	Yes	Required	
[TRANSACTION] ADR request is performed to retrieve an access decision according to the confidentiality level (normal, restricted or secret).							
35	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU		Configure	No	Required	
[EVIDENCE] : The SUT proves that a link to this test instance has been added to the XUA_X-SERVICE-PROV_ITI-40 test case.							
45	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU		Configure	No	Required	
[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.							
55	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU	DOC_ADMIN-XDS.b-UpdateMetadata_SIMU		Configure	No	Required	
[EVIDENCE] : The SUT proves that a link to EVS Client validation for its ADR query has been added to the CHADR_FOR_CONSUMER test case.							

Sequence Diagram



Test case #13440 CHXDS.b_DOC_REPO_CONF

Test Summary

Keyword : CHXDS.b_DOC_REPO_CONF
Name : CHXDS.b_DOC_REPO_CONF
Version : 1.0
Author : NicolasBailliet
Date of last 2019-09-04 09:05:43.631816 by aberge

Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : aberge

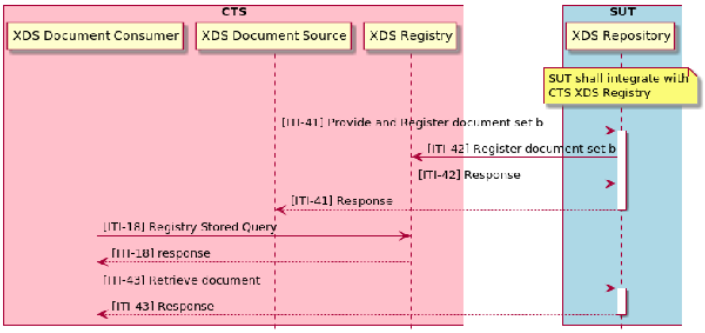
Short Description : This test targets at setting up the context for the XDS.b Document Repository actor.

Test Description

Special Instructions

In further tests, you will act as an **XDS Document Repository** actor and this test will provide you essential informations to set up the context and what are the configurations.

Description



- **XDS Document Registry** actor is played by XDS Registry mock which forwards received requests to XDS Toolkit ;
- **XDS Document Consumer** and XDS Document Source actors are played by a SoapUI script executed from Gazelle Webservice Tester (GWT).

URL of the XDS Document Registry simulator : https://ehealthsuisse.ihe-europe.net:10443/XDSRegistry?wsdl

XDS Document Repository is expected to support three transactions :

- ITI-41 : Provide and Register Document Set-b as a responder ;
- ITI-42 : Register Document Set-b as an initiator ;
- ITI-43 : Retrieve Document Set as a responder.

Evaluation

No formal evaluation is expected for this test, the next tests will demonstrate that you have correctly set up your system.

The monitor can set this test as PASSED once executed.

Test Participants

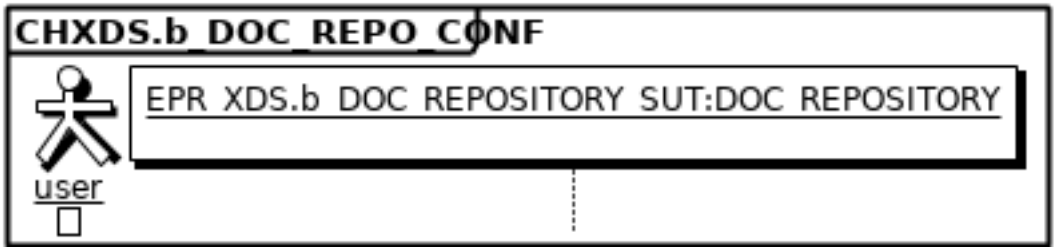
Role in test : EPR_XDS.b_DOC_REPOSITORY_SUT (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
DOC_REPOSITORY	XDS.b	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description

Sequence Diagram



Test case #13443 CHXDS.b_DOC_REPO_ITI41_ITI42

Test Summary

Keyword :	CHXDS.b_DOC_REPO_ITI41_ITI42	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_REPO_ITI41_ITI42	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	NicolasBailliet	**Verified by :**	aberge
Date of last	2019-09-12 18:01:19.694063 by aeschlimann		

Short Description : This test verifies the capacity of a system to receive and accept a document in a Provide and Registe (ITI-41) transaction. It includes metadata forwarding (ITI-42).

Test Description

Prerequisites

In order to perform this test, CHXDS.b_DOC_REPO_CONF has to be executed (Test link).

Special Instructions

In this case, the Provide and Register Document Set-b (ITI-41) and Register Document Set-b (ITI-42) transactions with the XDS Document Repository as a system under test will be tested.
Firstly, an ITI-41 transaction between the XDS Document Source and your system acting as an XDS Document Repository will be executed.

It requires to run a SoapUI project in Gazelle Webservice Tester in order to test this transaction and to validate the responses produced by your system

The messages exchanged between your SUT and the simulator should have been recorded and be available in Gazelle Webservice Tester. The request of this transaction has to be validated using EVSClient.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint has to use HTTPS.

The Document Repository actor is expected to act as a X-Service provider when receiving an ITI-41 request. 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 Repository actor is expected to act a X-Service User when sending an ITI-42 request. 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

Description

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

In order to test the XDS Document Repository in an ITI-41 transaction, the following cases have been identified and are included in the test suite **XDS Repository (PnR)** :

1. Accept provide and register for a single document
2. Accept two documents
3. Accept document with size and hash attributes
4. Reject submission where metadata and documents do not match
5. Return errors from Registry
6. Accept and replace document
7. Append and transform Document Entry.

Each of these test cases include both ITI-41 and ITI-42 transactions.

To execute this test, two functionalities of Gazelle Webservice Tester have to be used, each one related to one of the two transactions under test (ITI-41 and ITI-42) :

For ITI-41 transactions, the requests will be sent to your SUT from Gazelle Webservice Tester.

1. Access Gazelle Webservice Tester and log into the application;
2. Go to the menu "Run";
3. Select the test project name **EPR XDS Document Repository** from the drop-down list;
4. Select test suite **XDS Repository (PnR)** by ticking the checkbox in front of its name;
5. Enter the URL of your system under test endpoint (shall be a secured endpoint);
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.

The conformance of the responses sent back by your system shall be assessed. In Gazelle Webservice Tester, for the ITI-41 responses, validate the message in EVSClient. To do so:

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient, select validator: XDS and Extension **CH** 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".

For ITI-42 transactions, the messages exchanged between your SUT and the simulator should have been recorded and be available in Gazelle Webservice Tester :

1. Access the messages in Gazelle Webservice Tester from the "**Mock messages**";
2. Find out the message of interest, you can use the filters to ease your search (we also recommand to do it before you move to the next step);
3. We want to verify the conformance of the request sent by your SUT, click on the play icon next to the request type;
4. You have been redirected to EVSClient, select validator: **XDS** and Extension **CH** and hit the "Go" button;
5. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
6. When the validation report shows up, a pop-up raises, click on "OK";
7. Copy the permanent link of the message in the test step using the "add link" feature.

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.

First of all, the global status of the executed SoapUI project on GWT must be Passed.

As well, the validation in EVSClient must return **Passed for the requested validations.**

Test Participants

Role in test : EPR_XDS.b_DOC_REGISTRY_SIMU (Tool) **Option :** R **Nb of instances :** 1

Role in test : EPR_XDS.b_DOC_REPOSITORY-WITH_XUA **Option :** R **Nb of instances :** 1

Actor	Profile	Option
DOC_REPOSITORY	XDS.b	NONE
X-SERV-PROV	XUA	NONE
X-SERV-USR	XUA	NONE

Role in test : EPR_XDS.b_DOC_SOURCE_SIMU (Tool) **Option :** R **Nb of instances :** 1

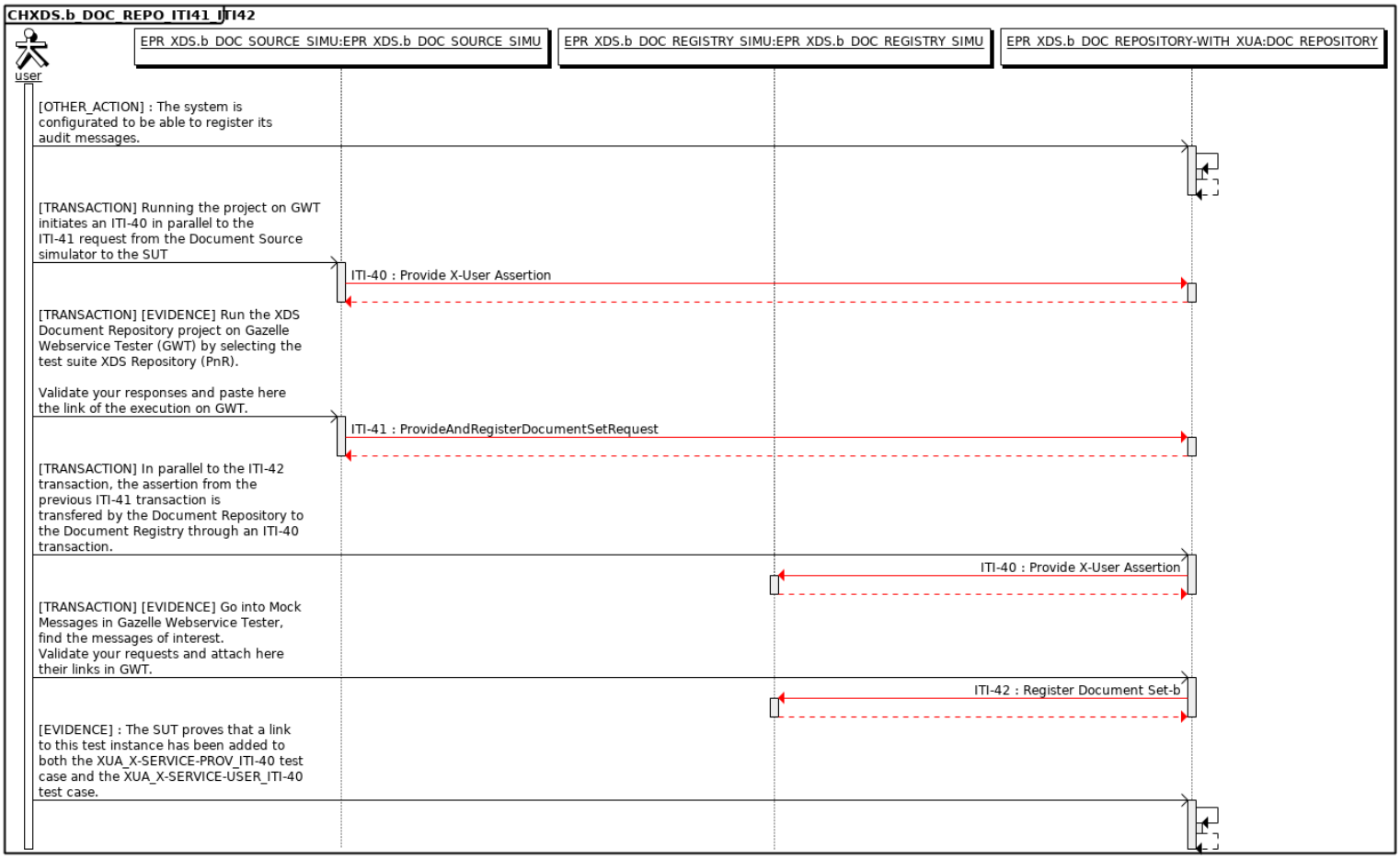
Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA		None	No	Required	
[OTHER_ACTION] : The system is configurated to be able to register its audit messages.							
9	EPR_XDS.b_DOC_SOURCE_SIMU	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	ITI-40	Provide X-User Assertion	Yes	Required	
[TRANSACTION] Running the project on GWT initiates an ITI-40 in parallel to the ITI-41 request from the Document Source simulator to the SUT							
10	EPR_XDS.b_DOC_SOURCE_SIMU	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	ITI-41	ProvideAndRegisterDocumentSetRequest	Yes	Required	
[TRANSACTION] [EVIDENCE] Run the XDS Document Repository project on Gazelle Webservice Tester (GWT) by selecting the test suite XDS Repository (PnR). Validate your responses and paste here the link of the execution on GWT.							
29	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	EPR_XDS.b_DOC_REGISTRY_SIMU	ITI-40	Provide X-User Assertion	Yes	Required	
[TRANSACTION] In parallel to the ITI-42 transaction, the assertion from the previous ITI-41 transaction is transfered by the Document Repository to the Document Registry through an ITI-40 transaction.							
30	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	EPR_XDS.b_DOC_REGISTRY_SIMU	ITI-42	Register Document Set-b	Yes	Required	

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
[TRANSACTION] [EVIDENCE] Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your requests and attach here their links in GWT.							
40	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA		None	No	Required	
[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.							

Sequence Diagram



Test case #13444 CHXDS.b_DOC_REPO_ITI43

Test Summary

Keyword :	CHXDS.b_DOC_REPO_ITI43	**Type :**	conformity assessment
Name :	CHXDS.b_DOC_REPO_ITI43	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	NicolasBailliet	**Verified by :**	aberge
Date of last	2019-09-12 17:54:35.199002 by aeschlimann		

Short Description : This test verifies the capacity of a system to respond to a retrieve request in a Retrieve Document (IT 43) transaction.

Test Description

Prerequisites

In order to perform this test, CHXDS.b_DOC_REPO_CONF has to be executed (Test link).

Special Instructions

In this case, the Retrieve Document Set (ITI-43) transaction with the XDS Document Repository as a system under test will be tested.
Firstly, an ITI-41 transaction between the XDS Document Source and your system acting as an XDS Document Repository will be executed to submit and accept a document (not tested, only for initialization).

The XDS Document Consumer will finally retrieve the document stored in your system (XDS Document Repository) with an ITI-43 transaction. The response sent back with the stored document has to be validated.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint has to use HTTPS.

The Document Repository actor is expected to act as a X-Service provider. This test will also be used to assess this role in the case of ITI-43 transactions. In order to do so, you'll need to follow the instructions from this test case :

XUA_X-SERVICE-PROV_ITI-40

Description

Before anything, make sure your system is configured to be able to test its role as X-Service Provider.

In order to test the XDS Document Repository in an ITI-43 transaction, the following cases have been identified and are included in the test suite **XDS Repository (Retrieve)** :

1. Accept retrieve document set - two documents
2. Accept retrieve document set with a single document
3. Repository handling of mimeType

For ITI-43 transactions, the requests will be sent to your SUT from Gazelle Webservice Tester.

1. Access Gazelle Webservice Tester and log into the application;
2. Go to the menu "Run";
3. Select the test project name **EPR XDS Document Repository** from the drop-down list;
4. Select test suite **XDS Repository (Retrieve)** by ticking the checkbox in front of its name;
5. Enter the URL of your system under test endpoint (shall be a secured endpoint);
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.

The conformance of the responses sent back by your system shall be assessed. In Gazelle Webservice Tester, for the ITI-43 responses (not prefixed [INTERNAL], [INIT] or [EVAL]), validate the message in EVSClient. To do so:

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient, select validator: XDS and Extension **CH** 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

First of all, the global status of the executed SoapUI project on GWT must be Passed.

As well, the validation in EVSClient must return **Passed for the requested validations.**

Test Participants

Role in test : EPR_XDS.b_DOC_CONSUMER_SIMU (Tool) **Option :** R **Nb of instances :** 1

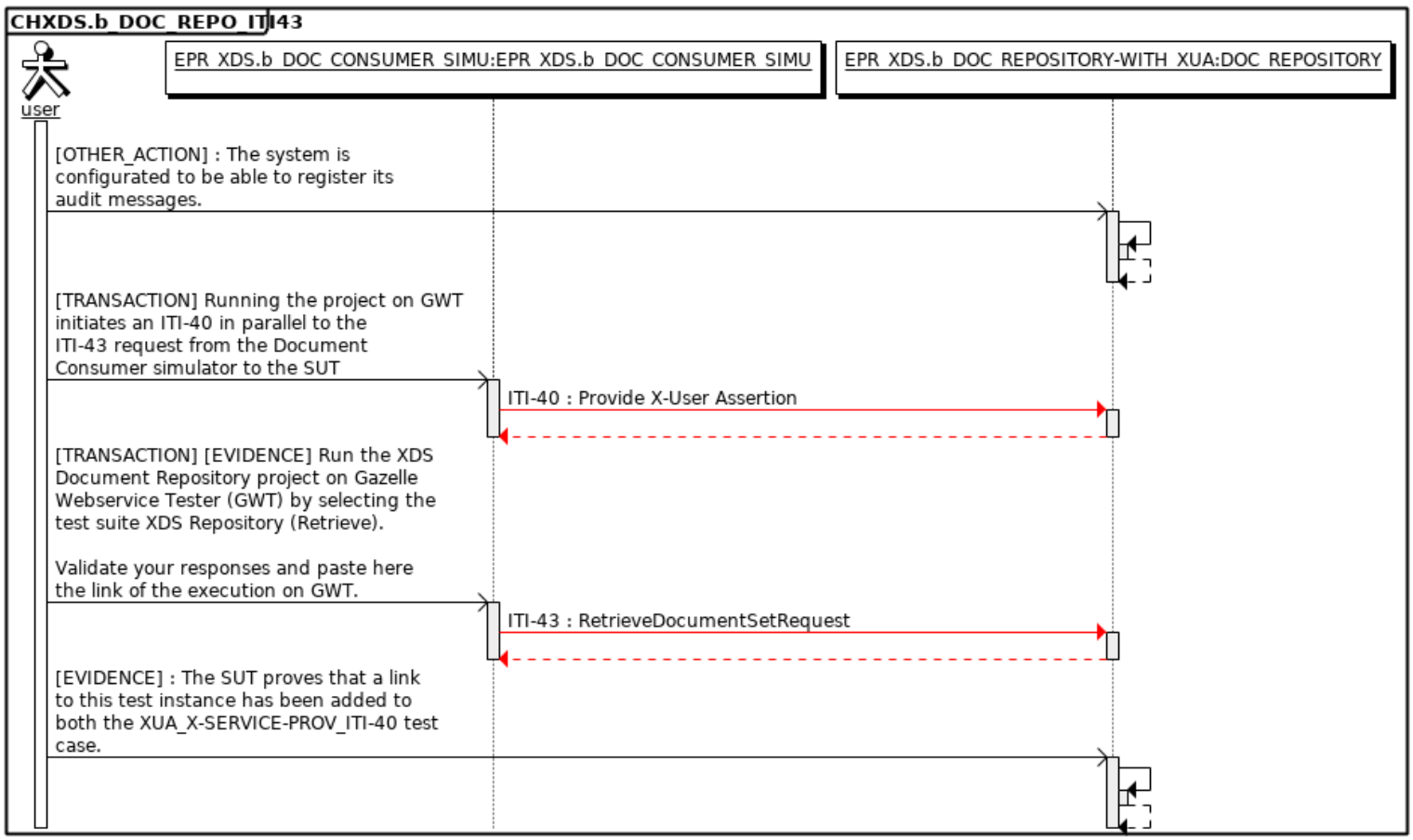
Role in test : EPR_XDS.b_DOC_REPOSITORY-WITH_XUA **Option :** R **Nb of instances :** 1

Actor	Profile	Option
DOC_REPOSITORY	XDS.b	NONE
X-SERV-PROV	XUA	NONE
X-SERV-USR	XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
5	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA		None	No	Required	
[OTHER_ACTION] : The system is configurated to be able to register its audit messages.							
9	EPR_XDS.b_DOC_CONSUMER_SIMU	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	ITI-40	Provide X-User Assertion	Yes	Required	
[TRANSACTION] Running the project on GWT initiates an ITI-40 in parallel to the ITI-43 request from the Document Consumer simulator to the SUT							
10	EPR_XDS.b_DOC_CONSUMER_SIMU	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	ITI-43	RetrieveDocumentSetRequest	Yes	Required	
[TRANSACTION] [EVIDENCE] Run the XDS Document Repository project on Gazelle Webservice Tester (GWT) by selecting the test suite XDS Repository (Retrieve). Validate your responses and paste here the link of the execution on GWT.							
20	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY-WITH_XUA		None	No	Required	
[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.							

Sequence Diagram



Test case #13433 CHXDS.b_DOC_SRC_ITI-41

Test Summary

Keyword : CHXDS.b_DOC_SRC_ITI-41
Name : CHXDS.b_DOC_SRC_ITI-41
Version : 1.0
Author : aeschlimann
Date of last 2019-09-11 17:14:22.379478 by r.hilary

Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : aeschlimann

Short Description : This test is to verify the SUT capacity to register a document and its metadata through an ITI-41 transaction with a XDS document repository.

Test Description

h3.cjk { font-family: "Noto Sans CJK SC Regular"; }h3.ctl { font-family: "Lohit Devanagari"; }h2.cjk { font-family: "Noto Sans CJK SC Regular"; }h2.ctl { font-family: "Lohit Devanagari"; }p { margin-bottom: 0.25cm; line-height: 115%; }a:link { } Special Instructions

In this case we will test the Provide and Registry Document Set-b (ITI-41) transaction with a simulator as both the Document Repository and Document Registry.

To perform this test, you'll need to download the files "SubmissionDoc.txt","SubmissionDocOne.txt" and "SubmissionDocTwo.txt" from : https://ehealthsuisse.ihe-europe.net/test_data/XDS_Documents/.

The data you'll use for the transactions are :
patient ID: **761337610411265789^^^&2.16.756.5.30.1.127.3.10.3&ISO**

Repository Unique ID : **1.1.4567332.1.70**

Requests endpoint :**https://ehealthsuisse.ihe-europe.net:10443/xdstools7/sim/epr-testing__for_doc_source_testing/rep/prb**

ITI-41 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 HCP aandrews)
2. Then do an **Get X-User Assertion** to the Assertion Provider Simulator (**https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl**)
3. Use the SAML Assertion in your ITI-41 request
4. This part is checked in the test case XUA_X-SERVICE-USER_ITI-40. You must create a test instance of this and paste the link in the step 5.

The value of the other metadatas is not important as long as the various codes, codeSystem and formats respect the IHE and swiss XDS specifications.

Please note that :

For each ITI-41 transaction, an ADR request is performed by the registry simulator to an ADR provider simulator to retrieve an access decision according to the confidentiality level (normal, restricted and secret).
This decision is based on the policy set prealably defined by the patient in the Policy Repository.
The Document Registry shall allow the document to be registered according to the rights given to the HCP in response to the ITI-41 request.
The datas given to you (assertion, PID, ...) are known from both the document registry and ADR simulator and should return the datas and documents requested.

Important : TLS is mandatory to every request in the XDS profile, as a consequence every endpoint have to use HTTPS.

Description

1 - First, send the file "SubmissionDoc.txt" in a first request.

2 - Then send the two files "SubmissionDocOne.txt" and "SubmissionDocTwo.txt" in a second request.

Take note of the time at which you initiated your transaction, it will be helpful for the next steps.

- Once your requests has been executed, you'll need to recover their logs from XDSTools :

- Go to XDSTools7 home page
- 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_doc_source_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 Enveloppe of your request in an xml file

- Now to validate all your requests with the validation tool EVSClient :

- In EVSClient, choose on the menu **EPR > XD* Metadata > Validate**
- Upload your XML message. Then, in Model Based Validation select: **CH XDS.b ITI-41 PnR Set-b - request (CH codes)** to validate your request
- Copy the permanent link to your validation in the corresponding test step

The monitor also needs a proof that the registry and the repository successfully stored your documents. Provides a screenshot of the logs in XDSTools showing the status of the response.

Evaluation

The validation of your requests in EVS Client must return Passed.

The response to your request must be **Success** (provide a screenshot of your system).

Test Participants

Role in test : EPR_XDS.b_DOC_REPOSITORY_SIMU (Tool) **Option :** R **Nb of instances :** 1

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

Actor	Profile	Option
DOC_SOURCE	XDS.b	NONE

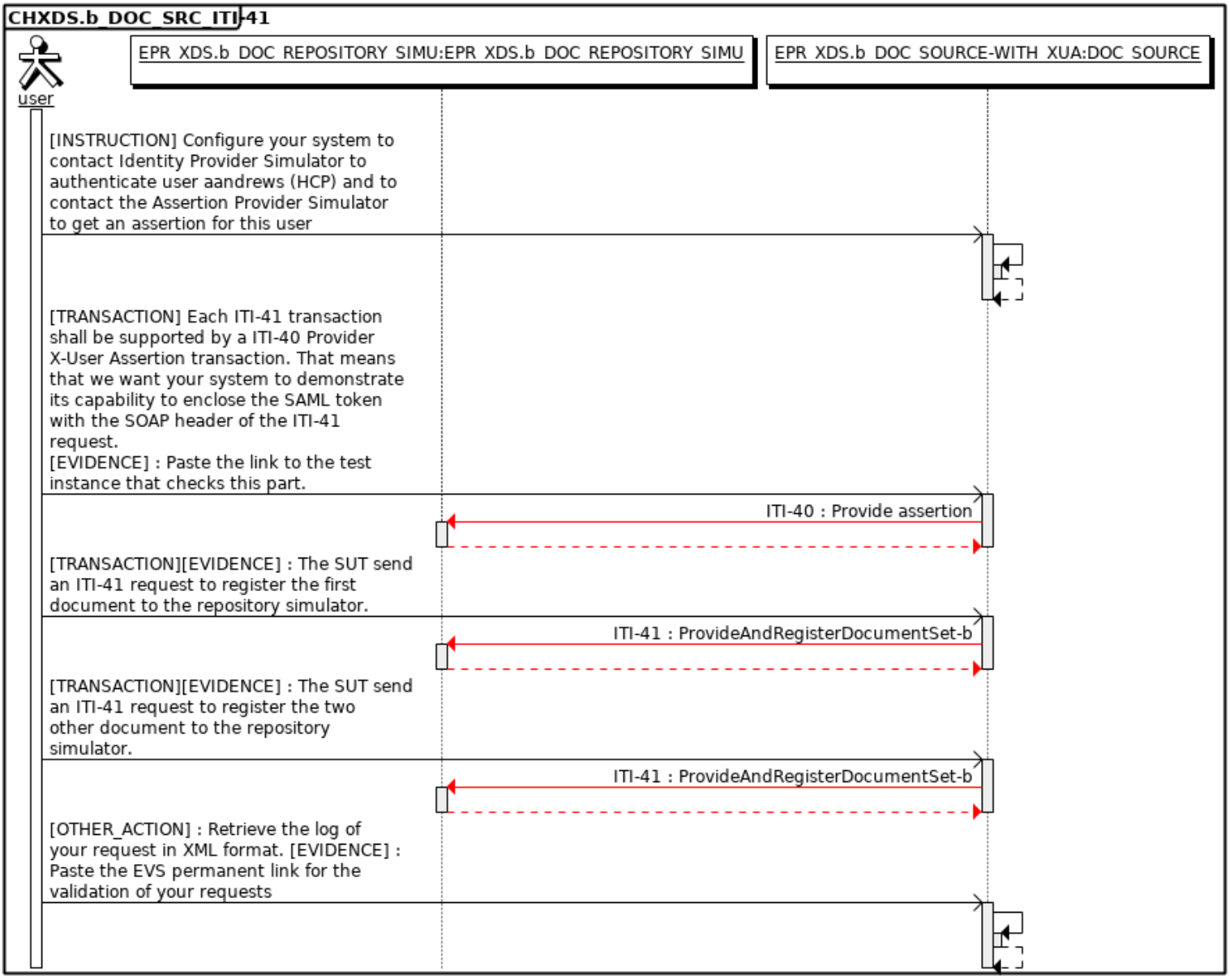
Test Participants

Actor	Profile	Option
X-SERV-USR	XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	EPR_XDS.b_DOC_SOURCE-WITH_XUA	EPR_XDS.b_DOC_SOURCE-WITH_XUA		-	No	Required	
[INSTRUCTION] Configure your system to contact Identity Provider Simulator to authenticate user aandrews (HCP) and to contact the Assertion Provider Simulator to get an assertion for this user							
5	EPR_XDS.b_DOC_SOURCE-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY_SIMU	ITI-40	Provide assertion	Yes	Required	
[TRANSACTION] Each ITI-41 transaction shall be supported by a ITI-40 Provider X-User Assertion transaction. That means that we want your system to demonstrate its capability to enclose the SAML token with the SOAP header of the ITI-41 request. [EVIDENCE] : Paste the link to the test instance that checks this part.							
10	EPR_XDS.b_DOC_SOURCE-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY_SIMU	ITI-41	ProvideAndRegisterDocumentSet-b	Yes	Required	
[TRANSACTION][EVIDENCE] : The SUT send an ITI-41 request to register the first document to the repository simulator.							
20	EPR_XDS.b_DOC_SOURCE-WITH_XUA	EPR_XDS.b_DOC_REPOSITORY_SIMU	ITI-41	ProvideAndRegisterDocumentSet-b	Yes	Required	
[TRANSACTION][EVIDENCE] : The SUT send an ITI-41 request to register the two other document to the repository simulator.							
30	EPR_XDS.b_DOC_SOURCE-WITH_XUA	EPR_XDS.b_DOC_SOURCE-WITH_XUA		None	No	Required	
[OTHER_ACTION] : Retrieve the log of your request in XML format. [EVIDENCE] : Paste the EVS permanent link for the validation of your requests							

Sequence Diagram



Test case #13318 XDS.b_DOC_ADMIN_ITI-57

Test Summary

Keyword :	XDS.b_DOC_ADMIN_ITI-57	**Type :**	conformity assessment
Name :	XDS.b_DOC_ADMIN_ITI-57	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-13 15:52:17.700301 by aeschlimann		

Short Description : ITI-57 Update Document Set for Document Administrator from a Document Administrator SUT to a simulated Document Registry

Test Description

Special Instructions

In this case we will test the Update Document Set (ITI-57) transaction with the Document Registry as a simulator.
Firstly, we will initiate this test by an ITI-41 and ITI-42 transaction to a Document Repository/Registry simulator. The data registered will be provided to the SUT operator as an ITI-18 response from the Registry.

Using the data provided, the SUT will then execute an ITI-57 towards the Document Registry to modify the metadata registered. These modifications will be evaluated by an ITI-18 request to the Registry simulator.

The data you'll use for the transactions are :

patient ID: **761337610411265304^^^&2.16.756.5.30.1.127.3.10.3&ISO**

Metadata Update Registry endpoint : **https://ehealthsuisse.ihe-europe.net:10443/xdstools7/sim/epr-testing__one_registry_to_rule_them_all/reg/update**

ITI-41 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 DADM kweisskopf)
2. Then do an **Get X-User Assertion** to the Assertion Provider Simulator (**https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl**)
3. Use the SAML Assertion in your ITI-57 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**.

- The requests will be sent to the Document Registry simulator 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 XDS Document Administrator** from the drop-down list;
4. Select test suite **[INIT] Registry Initialization** by ticking the checkbox in front of its name;
5. Click on "Run" button
6. Wait for the script to complete its execution;

In order for the initialization of test data to be properly done, all the steps must be **Passed.**

- From your GWT run, go see the response to the step "**[INIT] LeafClass query registry for document**". All the metadata that are needed for the construction of your ITI-57 query can be found there.

- With the proper metadata, sned an ITI-57 Metadata Update query to the Document Registry simulator. Take note of the initial and of the new **Document UUIDs.** The rest of the new metadata you'll use is not important as long as they are in accordance to the specifications rules for ITI-57.

Take note of the time at which you initiated your transaction, it'll be helpful for the next step.

To validate this test :

- Once your requests have been executed, you'll need to retrieve their logs from XDSTools :

- Go to XDSTools7 home page
- 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__one_registry_to_rule_them_all**)
- In the **Message** menu, pick the logs corresponding to your transaction using your IP and transaction time
- From the **Request Body** tab, copy the Enveloppe of your request in an XML file

- Now to validate your request with the validation tool EVSClient :

- In EVSClient, choose on the menu **EPR > XD* metadata > Validate**
- Upload your XML message. Then, in Model Based Validation select: **CH XDS.b ITI-57 Metadata Update - request (CH codes)** to validate your request
- Copy the permanent link to your validation in the corresponding test step

- We will also confirm that the document metadata has been updated properly :

1. Access Gazelle Webservice Tester and log into the application;
2. Go to the menu "Run";
3. Select the test project name **EPR XDS Document Administrator** from the drop-down list;
4. Select test suite **[ITI-18] Registry Stored Query For Evaluation** by ticking the checkbox in front of its name;
5. Enter the proper values for the initial Document UUID and the updated Document UUID
6. Click on "Run" button
7. Wait for the script to complete its execution;
8. 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 validation on GWT must be "**Passed**".

The validations on EVS Client for the ITI-57 transaction must return "**Passed**".

Test Participants

Role in test : DOC_ADMIN-XDS.b-UPDATE_METADATA- **Option :** R **Nb of instances :** 1

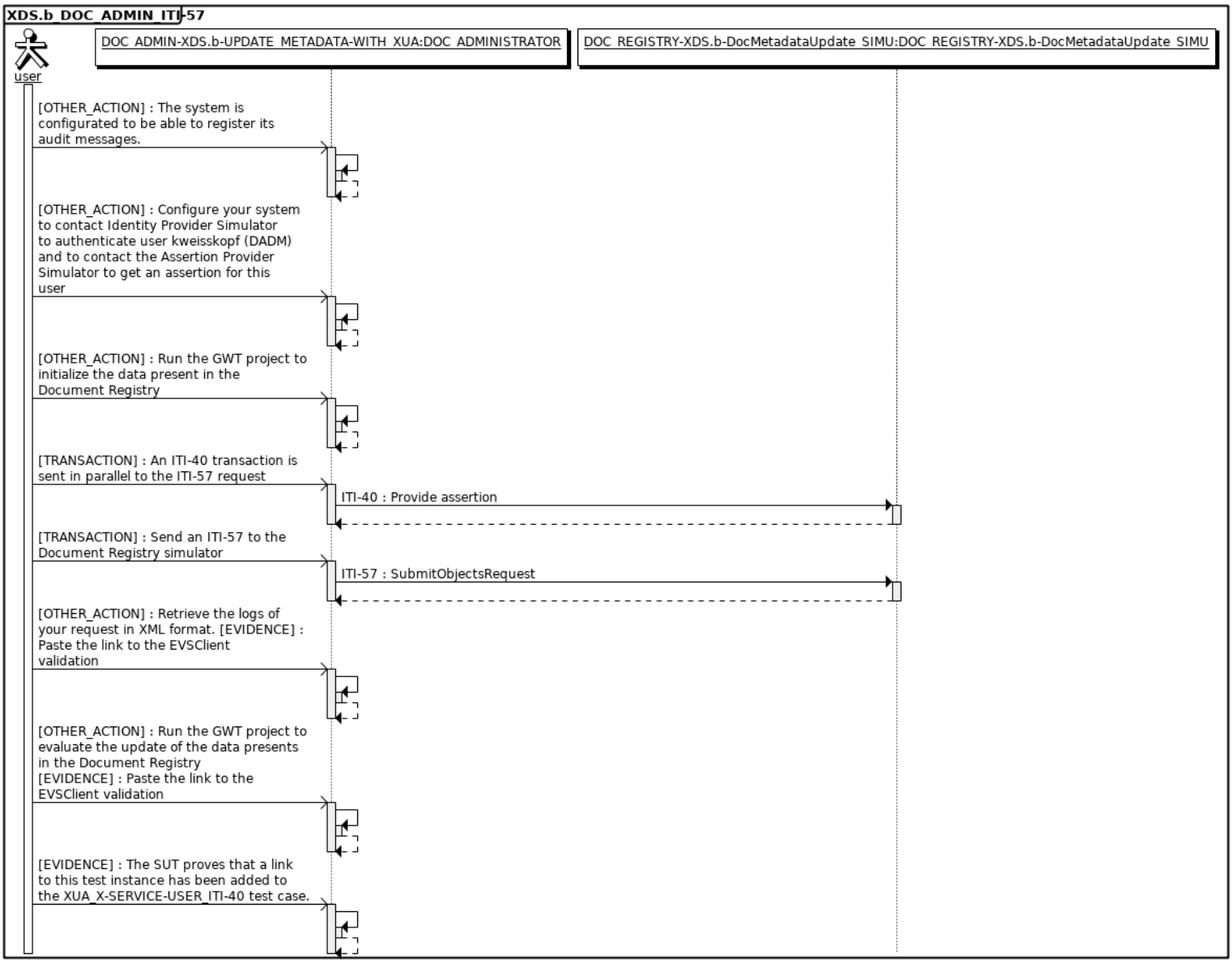
Actor	Profile	Option
X-SERV-USR	XUA	NONE
DOC_ADMINISTRATOR	XDS.b	UPDATE_METADATA

Role in test : DOC_REGISTRY-XDS.b- **Option :** R **Nb of instances :** 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA		-	No	Required	
[OTHER_ACTION] : The system is configurated to be able to register its audit messages.							
3	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA		-	No	Required	
[OTHER_ACTION] : Configure your system to contact Identity Provider Simulator to authenticate user kweisskopf (DADM) and to contact the Assertion Provider Simulator to get an assertion for this user							
10	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA		-	No	Required	
[OTHER_ACTION] : Run the GWT project to initialize the data present in the Document Registry							
19	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_REGISTRY-XDS.b-DocMetadataUpdate_SIMU	ITI-40	Provide assertion	No	Required	
[TRANSACTION] : An ITI-40 transaction is sent in parallel to the ITI-57 request							
20	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_REGISTRY-XDS.b-DocMetadataUpdate_SIMU	ITI-57	SubmitObjectsRequest	No	Required	
[TRANSACTION] : Send an ITI-57 to the Document Registry simulator							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
30	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA		-	No	Required	
[OTHER_ACTION] : Retrieve the logs of your request in XML format. [EVIDENCE] : Paste the link to the EVSClient validation							
40	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA		-	No	Required	
[OTHER_ACTION] : Run the GWT project to evaluate the update of the data presents in the Document Registry [EVIDENCE] : Paste the link to the EVSClient validation							
50	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA	DOC_ADMIN-XDS.b-UPDATE_METADATA-WITH_XUA		-	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