Tests definitions

Table of Contents

Test case #13366 CHXUA_X-ASSERT-PROV_ASS

Test Summary

Keyword :	CHXUA_X-ASSERT-PROV_ASS	**Type :**	conformity assessment
Name :	CHXUA_X-ASSERT-PROV_ASS	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-17 10:19:18.568762 by NicolasBailliet		

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is an Assistant.

Test Description

Special Instructions

This test is about validating assertions issued by CH X-Assertion-Providers using EVSClient.

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

Description

As CH X-Assertion Provider you will have to trigger the generation of an assertion. To do so, please run a real **CH:XUA Get-X-User-Assertion** transaction for the **Assistant extension** against your system using Gazelle Webservice Tester.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test case **Assistant authentication and XUA** 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 **XUA Response**, 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, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED (WARNING : the validation result will be FAILED but we do not mind the schema validation error about the del:DelegationRestrictionType, it is a known bug). Check this attribute manually.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Test Participants

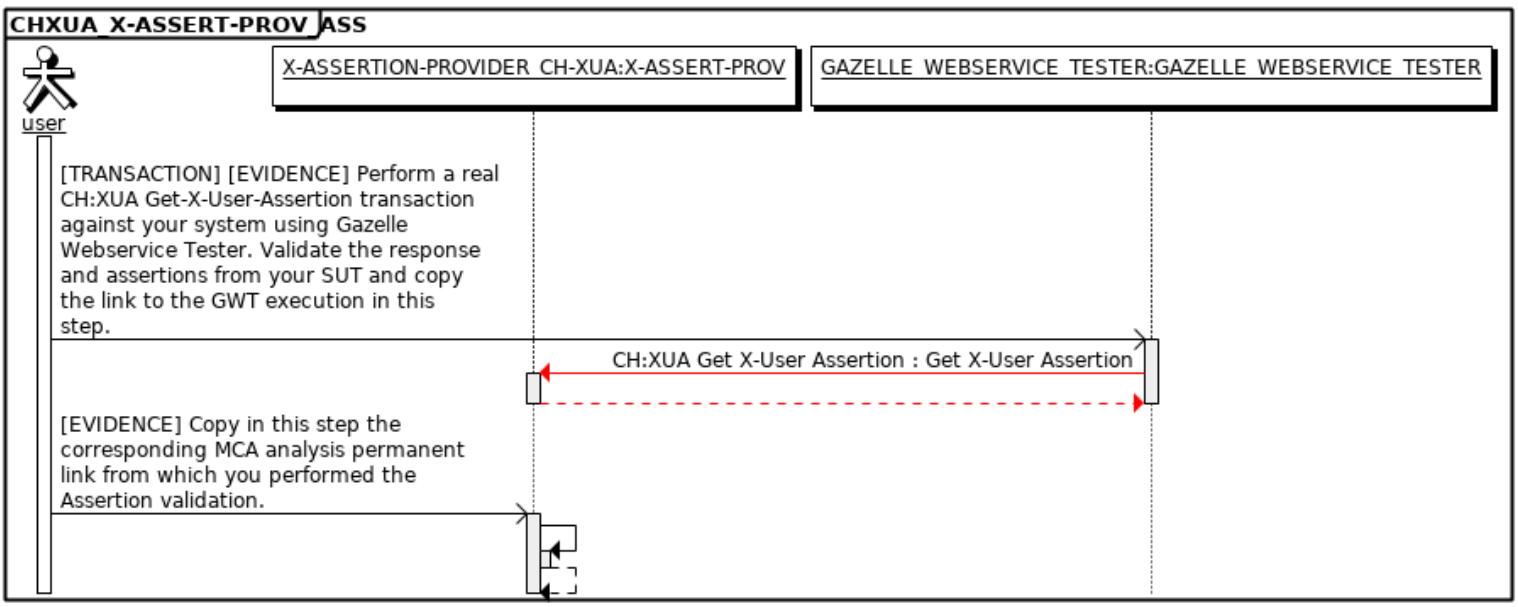
Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
							[TRANSACTION] [EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester. Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.
20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	
							[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13364 CHXUA_X-ASSERT-PROV_DADM

Test Summary

Keyword :	CHXUA_X-ASSERT-PROV_DADM	**Type :**	conformity assessment
Name :	CHXUA_X-ASSERT-PROV_DADM	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-06 14:23:53.553046 by NicolasBailliet		

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is a Document Administrator.

Test Description

Special Instructions

This test is about validating assertions issued by CH X-Assertion-Providers using EVSClient.

Description

As CH X-Assertion Provider you will have to trigger the generation of an assertion. To do so, please run a real **CH:XUA Get-X-User-Assertion** transaction for the **Document Administrator professional extension** against your system using Gazelle Webservice Tester.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test case **DADM authentication and XUA** 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 **XUA Response**, 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, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

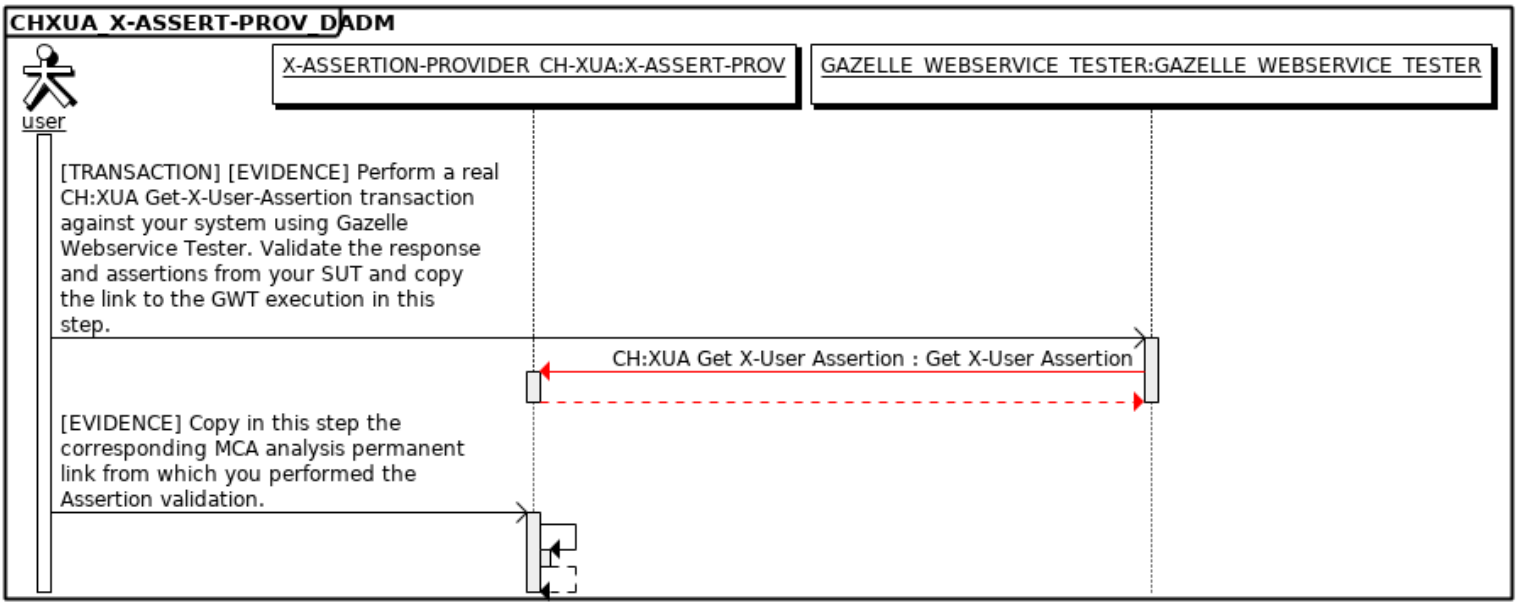
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	

[TRANSACTION] [EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester. Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.

20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	

[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13362 CHXUA_X-ASSERT-PROV_HCP

Test Summary

Keyword : CHXUA_X-ASSERT-PROV_HCP
Name : CHXUA_X-ASSERT-PROV_HCP
Version : 1.0
Author : wbars
Date of last 2019-09-06 14:24:27.355884 by NicolasBailliet
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is an Healthcare Professional.

Test Description

Special Instructions

This test is about validating assertions issued by CH X-Assertion-Providers using EVSClient.

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

Description

As CH:XUA X-Assertion Provider you will have to trigger the generation of an assertion. To do so, you will run a real **CH:XUA Get-X-User-Assertion** transaction for the **Healthcare professional extension** against your system.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test suite **GetXUserAssertion** 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 test step **HP authentication and XUA**, validate the message from your SUT in EVSClient. To do so:

1. Click on the play icon next to the response type;
2. You have been redirected to EVSClient, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green Play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

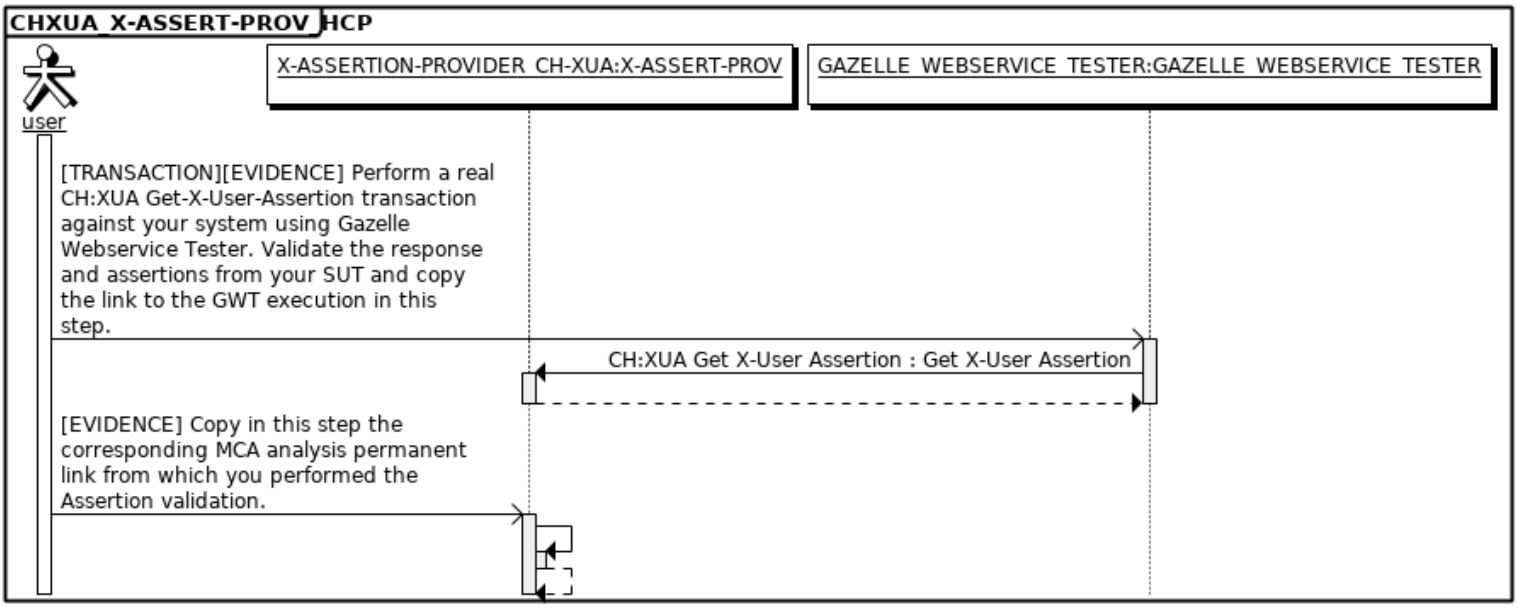
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	No	Required	

[TRANSACTION][EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester. Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.

20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	

[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13442 CHXUA_X-ASSERT-PROV_INVALID_CASE

Test Summary

Keyword : CHXUA_X-ASSERT-
Name : CHXUA_X-ASSERT-
Version : 1.0
Author : aeschlimann
Date of last 2019-09-11 13:13:46.959719 by NicolasBailliet

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

Short Description : Simulated X-Service User sending an invalid requests for an assertion to an X-Assertion Provider

Test Description

Special Instructions

This test is about validating error messages issued by CH:XUA X-Assertion-Providers using EVSClient.

Description

As CH:XUA X-Assertion Provider you will have to respond to faulty assertion requests.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test suite **GetXUserAssertion - Invalid Tests 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

The conformance of the responses sent back by your system shall be assessed. In Gazelle Webservice Tester, for steps not marked as [INTERNAL] nor [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: **XML** and Extension **CH:XUA** 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 global status of the GWT execution must be **PASSED**.
- The validation of all responses from the SUT must be **PASSED** in EVSClient.

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

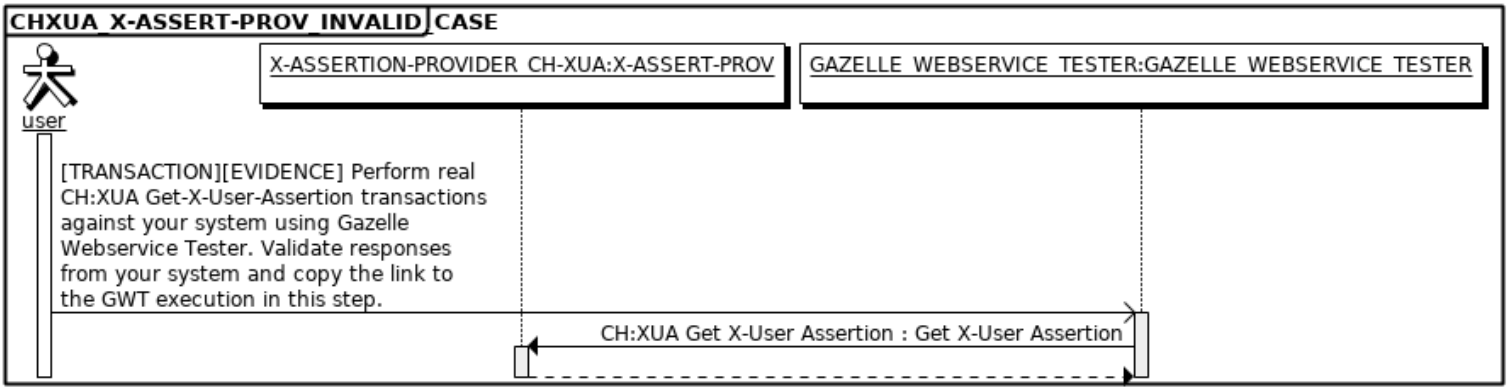
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	No	Required	

[TRANSACTION][EVIDENCE] Perform real CH:XUA Get-X-User-Assertion transactions against your system using Gazelle Webservice Tester. Validate responses from your system and copy the link to the GWT execution in this step.

Sequence Diagram



Test case #13360 CHXUA_X-ASSERT-PROV_PADM

Test Summary

Keyword : CHXUA_X-ASSERT-PROV_PADM
Name : CHXUA_X-ASSERT-PROV_PADM
Version : 1.0
Author : wbars
Date of last 2019-09-06 14:24:55.71942 by NicolasBailliet
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is a Policy Administrator.

Test Description

Special Instructions

This test is about validating assertions issued by CH X-Assertion-Providers using EVSClient.

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

Description

As CH X-Assertion Provider you will have to trigger the generation of an assertion. To do so, please run a real **CH:XUA Get-X-User-Assertion** transaction for the **Policy Administrator extension** against your system using Gazelle Webservice Tester.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test case **PADM authentication and XUA** 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 **XUA Response**, 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, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	

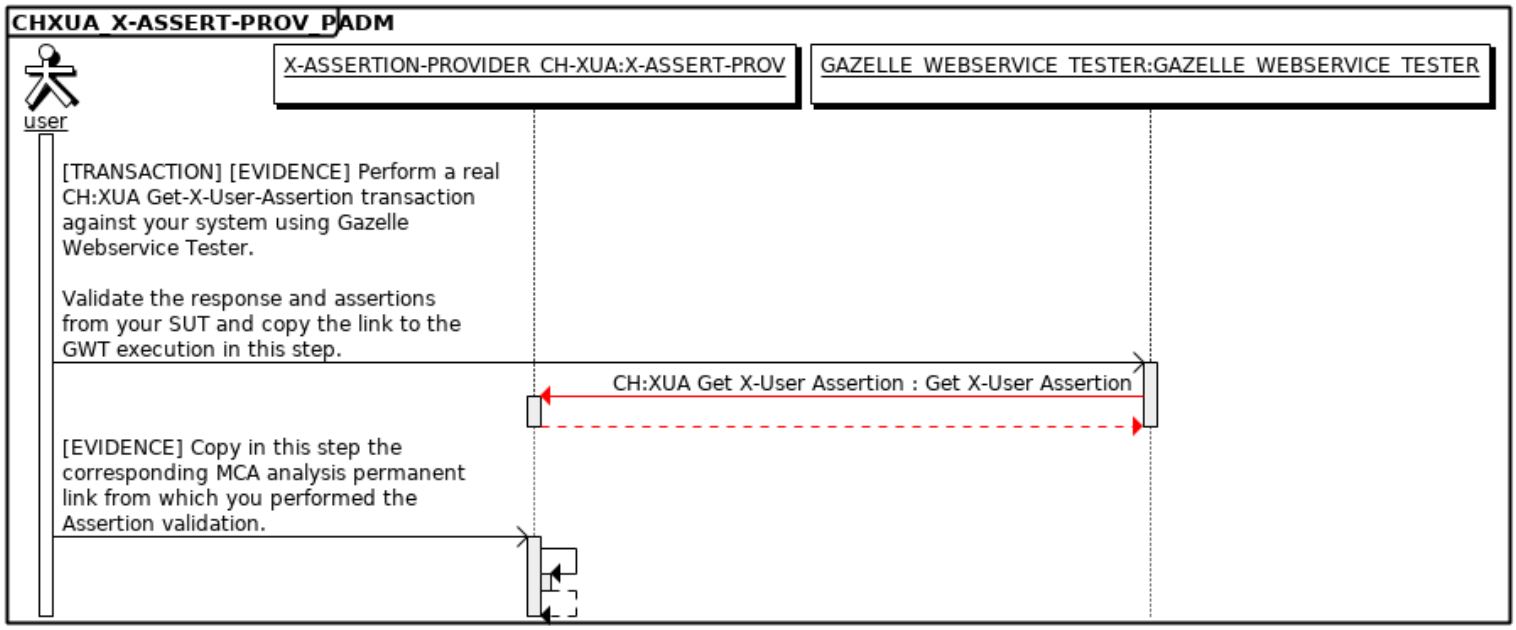
[TRANSACTION] [EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester.

Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	

[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13358 CHXUA_X-ASSERT-PROV_PAT

Test Summary

Keyword : CHXUA_X-ASSERT-PROV_PAT
Name : CHXUA_X-ASSERT-PROV_PAT
Version : 1.0
Author : wbars
Date of last 2019-09-06 14:26:56.924075 by NicolasBailliet
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is a Patient.

Test Description

Special Instructions

This test is about validating assertions issued by CH X-Assertion-Providers using EVSClient.

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

Description

As CH X-Assertion Provider you will have to trigger the generation of an assertion. To do so, please run a real **CH:XUA Get-X-User-Assertion** transaction for the **Patient extension** against your system using Gazelle Webservice Tester.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test case **Patient authentication and XUA** 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 **XUA Response**, 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, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	

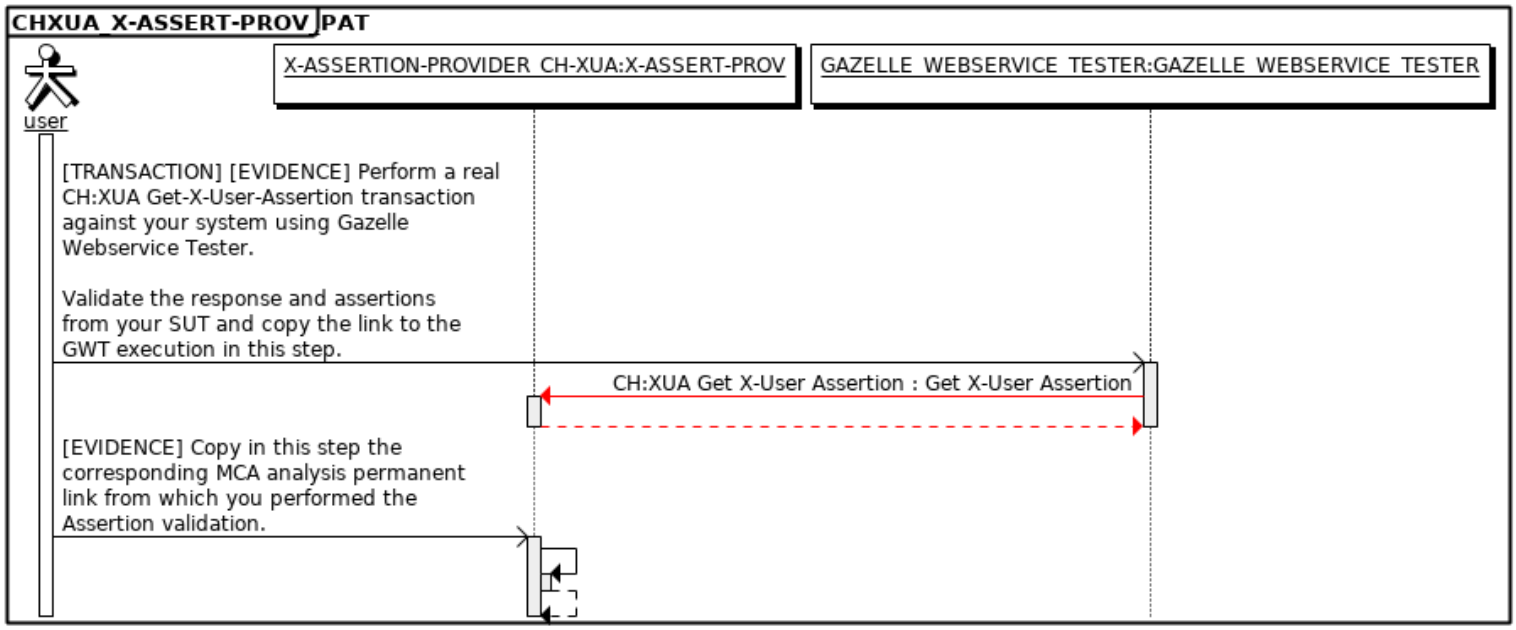
[TRANSACTION] [EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester.

Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	

[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13356 CHXUA_X-ASSERT-PROV_REP

Test Summary

Keyword : CHXUA_X-ASSERT-PROV_REP
Name : CHXUA_X-ASSERT-PROV_REP
Version : 1.0
Author : wbars
Date of last 2019-09-06 14:27:40.829577 by NicolasBailliet
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is a Representative.

Test Description

Special Instructions

This test is about validating assertions issued by CH X-Assertion-Providers using EVSClient.

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

Description

As CH X-Assertion Provider you will have to trigger the generation of an assertion. To do so, please run a real **CH:XUA Get-X-User-Assertion** transaction for the **Representative extension** against your system using Gazelle Webservice Tester.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test case **Representative authentication and XUA** 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 **XUA Response**, 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, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

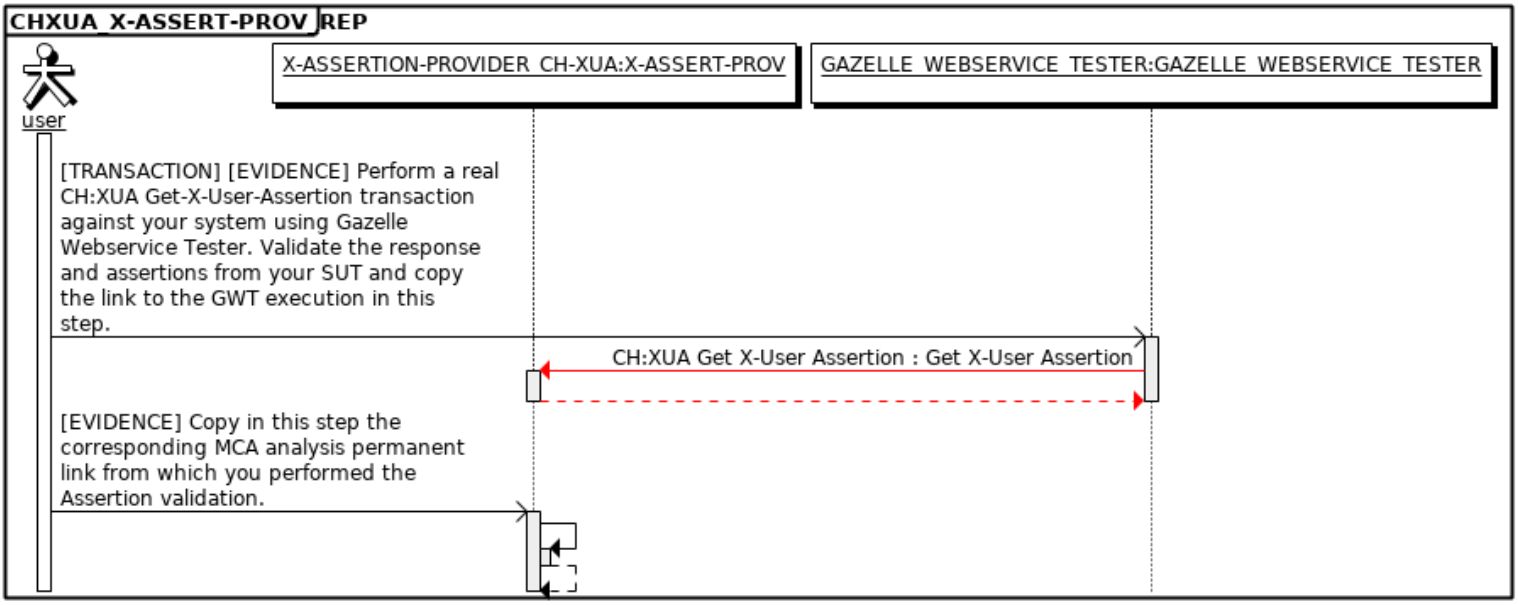
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	

[TRANSACTION] [EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester. Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	

[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13354 CHXUA_X-ASSERT-PROV_TCU

Test Summary

Keyword : CHXUA_X-ASSERT-PROV_TCU
Name : CHXUA_X-ASSERT-PROV_TCU
Version : 1.0
Author : wbars
Date of last 2019-09-17 10:19:27.479505 by NicolasBailliet

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

Short Description : This test checks the conformance of the assertion issued by the X Assertion Provider when the Authenticate User is a Technical User.

Test Description

Special Instructions

This test is about validating assertions issued by CH:XUA X-Assertion-Providers using EVSClient.

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

Description

As CH X-Assertion Provider you will have to trigger the generation of an assertion. To do so, please run a real **CH:XUA Get-X-User-Assertion** transaction for the **Technical User extension** against your system using Gazelle Webservice Tester.

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 CH:XUA X-Service User** from the drop-down list;
4. Select test case **Assistant authentication and XUA** 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 **XUA Response**, 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, click on "Analyze message content" button to be redirected to Message Content Analyzer (MCA) tool;
3. Save the link of the analysis by pasting it to the appropriate [EVIDENCE] step.
4. Click on the green play button next to XML, then select validator: XML and Extension **CH:XUA** 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 for returning the validation report to GWT, click on "OK";
7. Open a new tab and paste the saved link to go back to the MCA analysis;
8. Click on the green Play button next to SAML, then select validator: SAML and Extension **CH** and hit the "Go" button;
9. Once the page of the validator opens, select the appropriate entry in the drop-down list and click on "Validate";
10. When the validation report shows up, a pop-up raises for returning the validation report to GWT, click on "OK".

Evaluation

The validation global result for the entire XUA response must be **PASSED (WARNING : the validation result will be FAILED but we do not mind the schema validation error about the del:DelegationRestrictionType, it is a known bug). Check this attribute manually.**

The validation global result for the SAML assertion (extracted from XUA response) must be **PASSED.**

Test Participants

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

Role in test : X-ASSERTION-PROVIDER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-ASSERT-PROV	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	GAZELLE_WEBSERVICE_TESTER	X-ASSERTION-PROVIDER_CH-XUA	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	

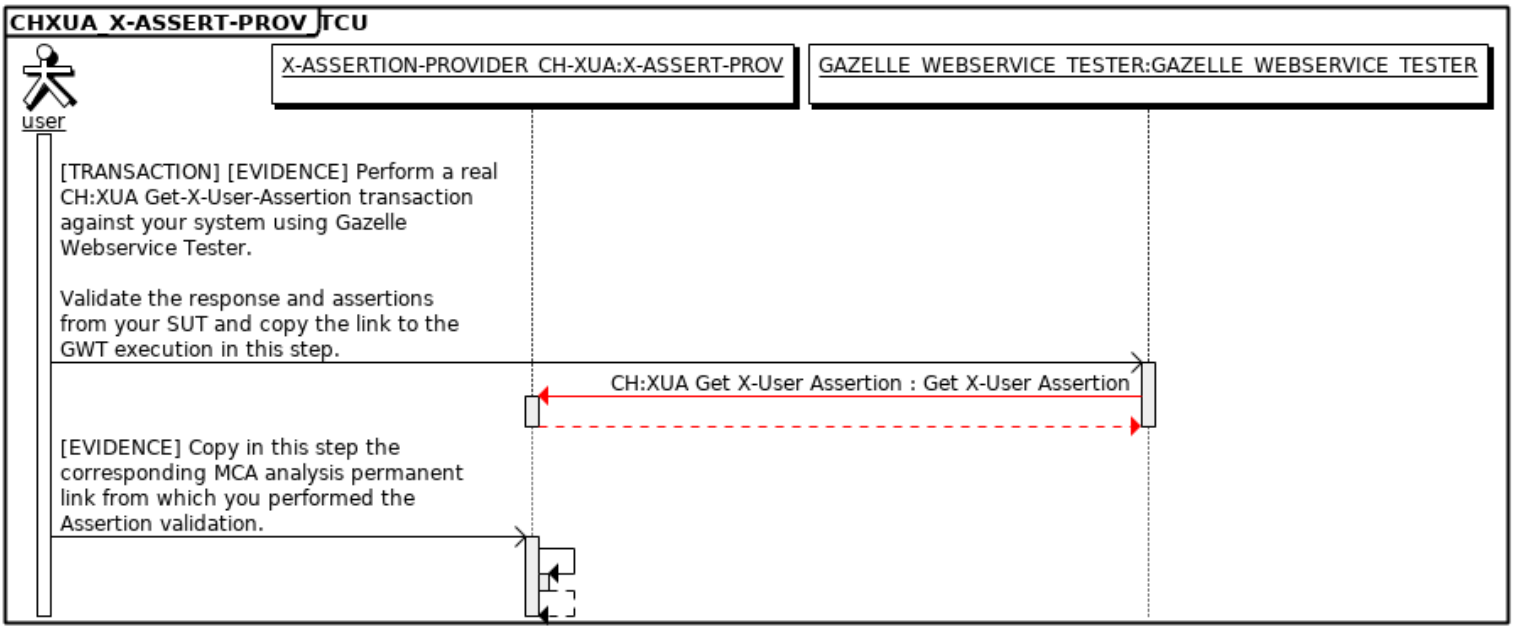
[TRANSACTION] [EVIDENCE] Perform a real CH:XUA Get-X-User-Assertion transaction against your system using Gazelle Webservice Tester.

Validate the response and assertions from your SUT and copy the link to the GWT execution in this step.

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
20	X-ASSERTION-PROVIDER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA		None	No	Required	

[EVIDENCE] Copy in this step the corresponding MCA analysis permanent link from which you performed the Assertion validation.

Sequence Diagram



Test case #13352 CHXUA_X_SERV_USR_AUTH_USR

Test Summary

Keyword :	CHXUA_X_SERV_USR_AUTH_USR	**Type :**	conformity assessment
Name :	CHXUA_X_SERV_USR_AUTH_USR	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-16 11:58:05.995026 by mtoudic		

Short Description : Verify X-Service User is able to initiate and run a valid CH:XUA Authenticate User transaction with th simulated User Authentication Provider using the artifact binding.

Test Description

Special Instructions

WARNING : **X-Service User** must be already registered in the IdP Simulator for this test case.

User Authentication Provider (IdP) configuration (entityIDs, metadata, SSO endpoints, Artifact resolution endpoints, Testing users registered in the IdP) is available **here** (IdP simulator tab).

TLS must be used.

The monitor must collect the evidences directly on the machine (see the Evaluation section for more details).

Description

The goal of this test is to verify that the **X-Service User** is able to perform a valid **CH:XUA Authenticate User** transaction with a **User Authentication Provider (IdP)** using the **Direct RP initiated** transaction with SAML **HTTP POST** or **Redirect binding**, alongside **Artifact Binding**.

Proceedings

1. The **X-Service-User operator** will try to access a protected resource that requires user authentication.
2. The **X-Service-User** will then send an SAML Authentication request to the **User Authentication Provider (IdP)** and be redirected to the user credential form.
3. The **X-Service-User operator** will input the credentials and validate the form.
4. The **User Authentication Provider (IdP)** will create an authentication token (assertion) and deliver the artifact ID to the **X-Service-User**.
5. The **X-Service-User** will then request for the artifact resolution to the **User Authentication Provider (IdP)**
6. And the **User Authentication Provider (IdP)** will return the previously created assertion and authentication response to the **X-Service-User**.
7. Finally the **X-Service User** will allow the operator to access the requested resource.

Evidences

Alongside this process please collect the following evidences :

- EntityID of both parties and their endpoints
- Screenshot of the **X-Service User** application when not logged in
- The SAML authentication request
- Screenshot of the **IdP** credentials form/challenge
- The HTTP Redirect or HTML form POST response containing the artifact Id
- The Artifact Resolve request
- The Artifact Resolve response
- Screenshot of the **X-Service User** application while logged in and accessing the protected resource

Input those evidences in the right tests step and mark the test to be verified.

Live demo

A good demonstration :

1. Shows what a user not logged in can access in your system.
2. Asks for login or for a protected resource
3. Shows that the user is redirected on the **IdP** authentication form.
4. Once input, shows the user is well logged in and can access the requested resource or is able to perform more actions.
5. If possible for your logging system, you can also show live request/responses

Evaluation

Monitor will evaluate the test on several points

1. All requested evidences must have been uploaded on the right test steps. To collect the evidences, the monitor must connect to ehealthsuisse.ihe-europe.net using ssh and find the four following messages in /opt/shibboleth-idp/logs/idp-process.log :
2. AuthnRequest
    - ProtocolBinding must be "urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Artifact"
    - Destination (if present) must be **IdP** SSO endpoint.
    - Issuer must be the **X-Service User** entityID
    - Please note the AuthnRequest ID to compare it with the inResponseTo in the SAML response.
    - Please note the AssertionConsumerServiceURL for later use in HTTP Redirect or HTML from POST.
3. HTTP Redirect **or** HTML form POST (issued by IdP as response to the credential POST)
    - The Location (HTTP Redirect) **or** the HTML form action (HTML form POST) must be the **X-Service User** Assertion Consumer endpoint as defined using AssertionConsumerServiceURL in the AuthRequest
    - The Location must have the SAMLart as query parameter (HTTP Redirect) **or** the HTML form must have an hidden input SAMLart (HTTP form POST)
    - Please Note the SAMLart (artifact Id) value to compare it with the Artifact in the ArtifactResolveRequest.
4. ArtifactResolveRequest
    - Destination must be **IdP** artifact resolution endpoint
    - Issuer must be the **X-Service User** entityID
    - Artifact must be the artifact Id.
    - Please note the ArtifactResolveRequest ID to compare it with the inResponseTo in the ArtifactResolveResponse
5. ArtifactResolveResponse
    - ArtifactResolveResponse inResponseTo must be ArtifactResolveRequest ID
    - The ArtifactResolveResponse Issuer may be present, if so it must be the **IdP** entityID
    - ArtifactResolveResponse must contains the SAML Response to the initial authentication request.
    - The SAML Response inResponseTo must be AuthnRequest ID
    - The SAML Response Issuer must be **IdP** EntityID
    - The SAML Response must have StatusCode Value equals to urn:oasis:names:tc:SAML:2.0:status:Success
    - The SAML Response must contain an SAML Assertion
    - The SAML Assertion Issuer must be the **IdP** EntityID
    - The SAML Assertion SHALL be signed
    - The SAML Assertion Conditions must have the notBefore attribute equivalent to the Assertion IssueInstant attribute and the NotOnOrAfter attribute that gives at longest 5 minutes of validity.
    - The SAML Assertion Attribute statement must contain :
        - familyname
        - firstname
        - gender
        - dateofbirth
        - identno
6. Monitor should request a live demo to the **X-Service User** operator. It must be a successful authentication with access to resources granted, and what is seen in the demo must match the content of the uploaded screenshots.

Test Participants

Role in test : IdP_USER_AUTHENTICATION_PROVIDER_SIMU **Option :** R **Nb of instances :** 1

Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

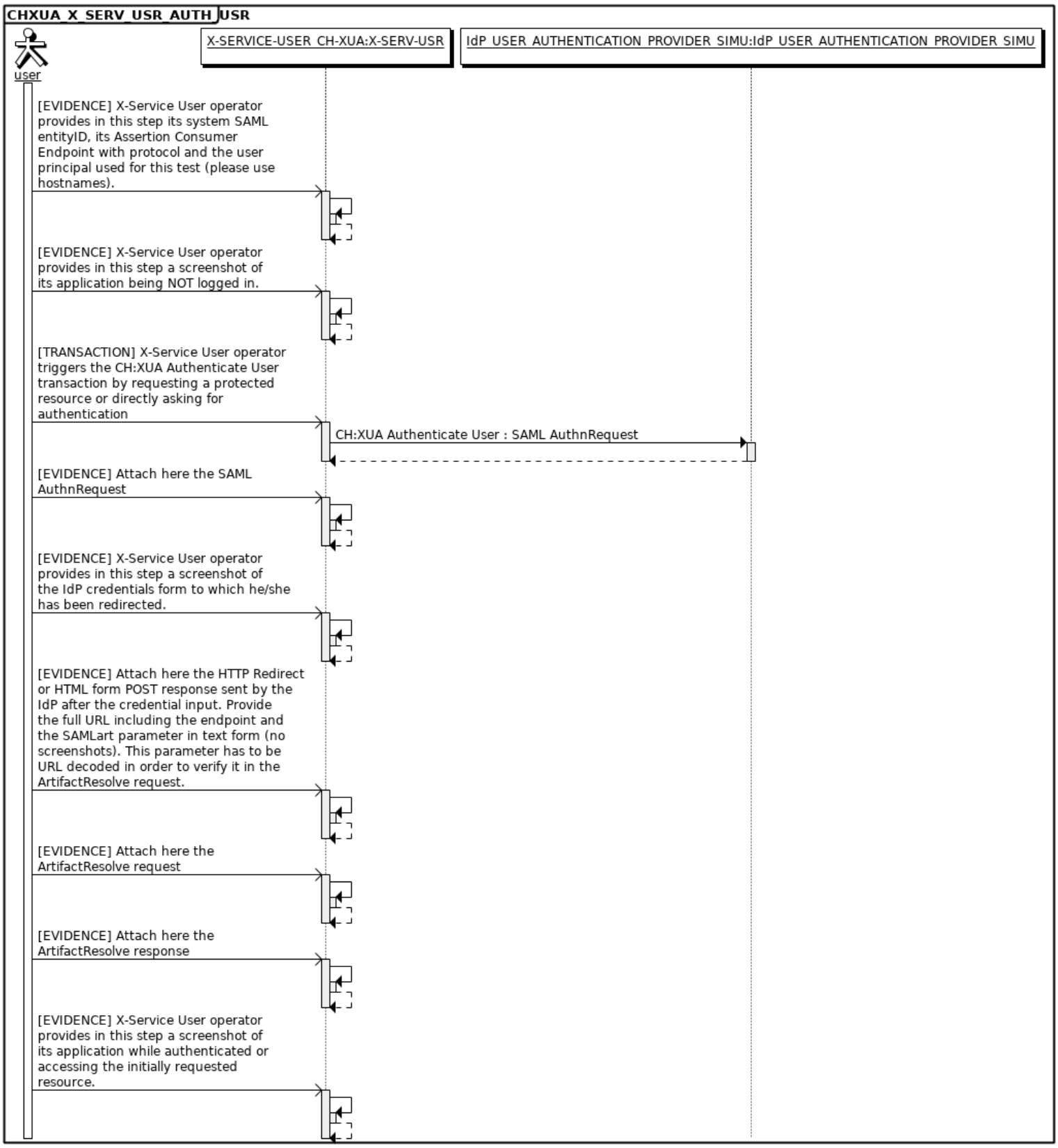
Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] X-Service User operator provides in this step its system SAML entityID, its Assertion Consumer Endpoint with protocol and the user principal used for this test (please use hostnames).							
30	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] X-Service User operator provides in this step a screenshot of its application being NOT logged in.							
40	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	SAML AuthnRequest	No	Required	
[TRANSACTION] X-Service User operator triggers the CH:XUA Authenticate User transaction by requesting a protected resource or directly asking for authentication							
50	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] Attach here the SAML AuthnRequest							
60	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] X-Service User operator provides in this step a screenshot of the IdP credentials form to which he/she has been redirected.							
65	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] Attach here the HTTP Redirect or HTML form POST response sent by the IdP after the credential input. Provide the full URL including the endpoint and the SAMLart parameter in text form (no screenshots). This parameter has to be URL decoded in order to verify it in the ArtifactResolve request.							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
70	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] Attach here the ArtifactResolve request							
80	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] Attach here the ArtifactResolve response							
90	X-SERVICE-USER_CH-XUA	X-SERVICE-USER_CH-XUA		Proof	No	Required	
[EVIDENCE] X-Service User operator provides in this step a screenshot of its application while authenticated or accessing the initially requested resource.							

Sequence Diagram



Test case #13350 CHXUA_X-SERV-USR_GXUA_ASS

Test Summary

Keyword :	CHXUA_X-SERV-USR_GXUA_ASS	**Type :**	conformity assessment
Name :	CHXUA_X-SERV-USR_GXUA_ASS	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-06 14:30:13.321694 by NicolasBailliet		

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for an Assistant.

Test Description

Special Instructions

As X-Service User, this test might be easier to perform after **XUA_Authenticate_User** test.
X-Service User will have to perform a valid **Get X-User Assertion** transaction using the **Assistant extension**. But because it is required to include the SAML UserAuthenticationResponse in the GetXUserAssertionRequest, you will need to perform also an **Authenticate User** transaction.
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for an **Assistant**. The request must contains the Identity Assertion and the following attributes in the claims:

- The Purpose of Use MUST be provided as **purposeofuse**
- The Role of the subject MUST be provided as **role**
- The EPR-SPID of the targeted patient must be provided as **resource-id**
- The GLN of the healthcare professional the assistant is acting on behalf of MUST be provided as **principal-id**
- The name of the healthcare professional the assistant is acting on behalf of MUST be provided as **principal-name**
- The name of the subject's organization MAY be provided as **organization**
- The ID of the subject's organization MAY be provided as **organization-id**

The data recognized by the Assertion Provider Simulator and the IdP Simulator can be found here : https://ehealthsuisse.ihe-europe.net/authentication-simulator/home.seam

Then the X-Assertion Provider will check the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to play the X-Assertion Provider role as a simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Role in test :	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	**Option :**	R	**Nb of instances :**	1

Role in test :	X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool)	**Option :**	R	**Nb of instances :**	1

Test Participants

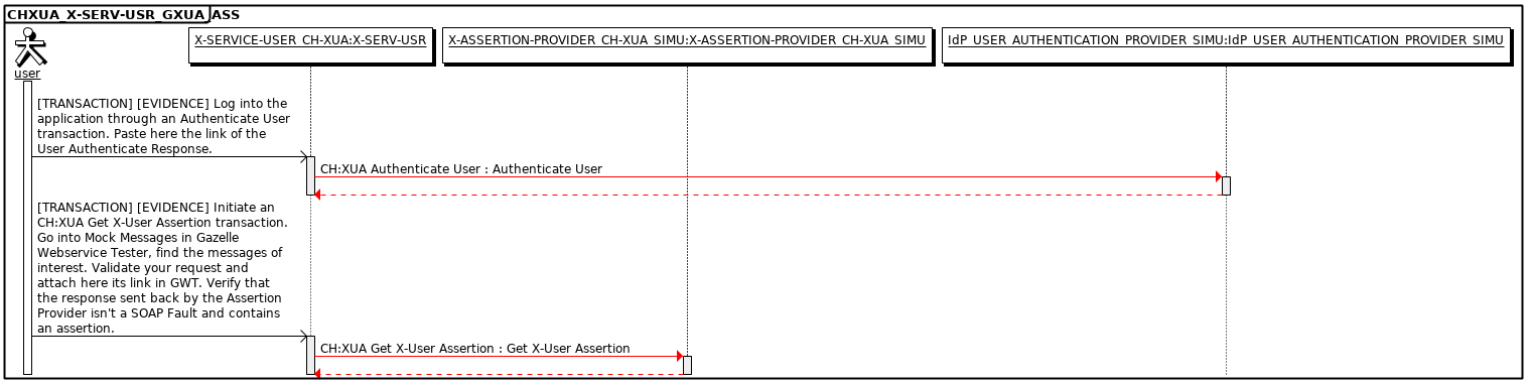
Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	
[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction. Paste here the link of the User Authenticate Response.							
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your request and attach here its link in GWT. Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.							

Sequence Diagram



Test case #13348 CHXUA_X-SERV-USR_GXUA_DADM

Test Summary

Keyword :	CHXUA_X-SERV-USR_GXUA_DADM	**Type :**	conformity assessment
Name :	CHXUA_X-SERV-USR_GXUA_DADM	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-06 14:33:10.936506 by NicolasBailliet		

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for a Document Administrator.

Test Description

Special Instructions

As X-Service User, this test might be easier to perform after **XUA_Authenticate_User** test.
X-Service User will have to perform a valid **Get X-User Assertion** transaction using the **Document Administrator extension.** But because it is required to include the SAML UserAuthenticationResponse in the GetXUserAssertionRequest, you will need to perform also an **Authenticate User** transaction.
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for a **Document Administrator.** The request must contains the Identity Assertion and the following attributes in the claims:

- The Purpose of Use MUST be provided as **purposeofuse**
- The Role of the subject MUST be provided as **role**
- The EPR-SPID of the targeted patient must be provided as **resource-id**

The data recognized by the Assertion Provider Simulator and the IdP Simulator can be found here : https://ehealthsuisse.ihe-europe.net/authentication-simulator/home.seam

Then the X-Assertion Provider will checks the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to communicate with the X-Assertion Provider simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl.

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Test Participants

Role in test : IdP_USER_AUTHENTICATION_PROVIDER_SIMU **Option :** R **Nb of instances :** 1

Role in test : X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool) **Option :** R **Nb of instances :** 1

Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	

[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction.

Paste here the link of the User Authenticate Response.

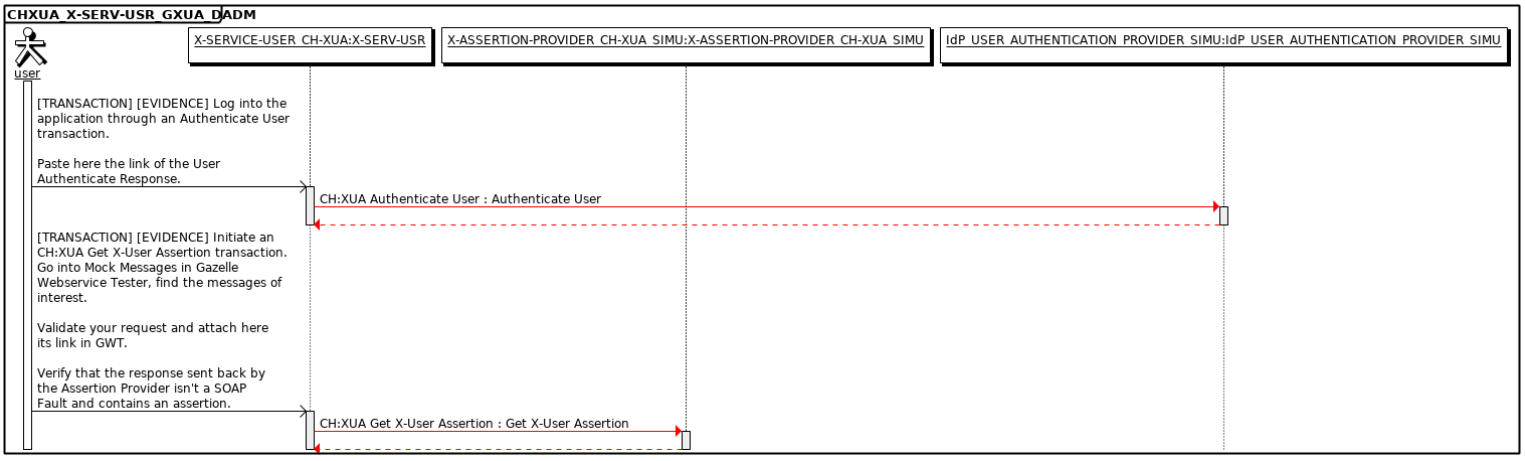
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	

[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest.

Validate your request and attach here its link in GWT.

Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.

Sequence Diagram



Test case #13346 CHXUA_X-SERV-USR_GXUA_HCP

Test Summary

Keyword : CHXUA_X-SERV-USR_GXUA_HCP
Name : CHXUA_X-SERV-USR_GXUA_HCP
Version : 1.0
Author : wbars
Date of last 2019-09-06 14:31:52.75757 by NicolasBailliet
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for an Healthcare Provider

Test Description

Special Instructions

As X-Service User, this test might be easier to perform after **XUA_Authenticate_User** test.
X-Service User will have to perform a valid **Get X-User Assertion** transaction using an **Healthcare Professional extension.** But because it is required to include the SAML UserAuthenticationResponse in the GetXUserAssertionRequest, you will need to perform also an **Authenticate User** transaction.
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for an **Healthcare Professional.** The request must contain the Identity Assertion and the following attributes in the claims:

- **HCP** asRole of the accessing person
- Requested **resource-id** (EPR-SPID using HL7 CX syntax like 76133761043520099 8^^^SPID&2.16.756.5.30.1.127.3.10.3&ISO)
- **Purpose of use**

Then the X-Assertion Provider will checks the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to play the X-Assertion Provider role as a simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Role in test : IdP_USER_AUTHENTICATION_PROVIDER_SIMU **Option :** R **Nb of instances :** 1

Role in test : X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool) **Option :** R **Nb of instances :** 1

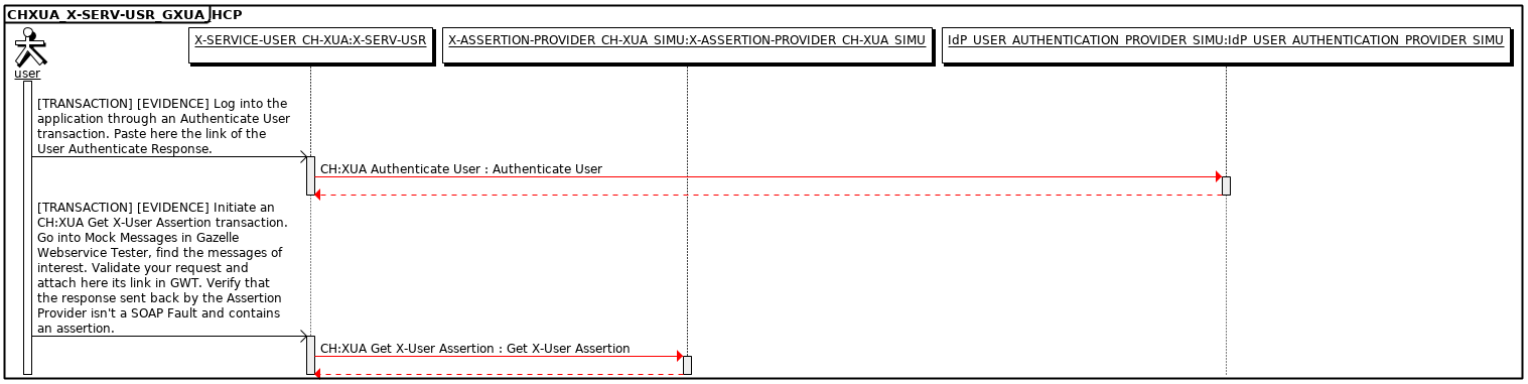
Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	
[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction. Paste here the link of the User Authenticate Response.							
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your request and attach here its link in GWT. Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.							

Sequence Diagram



Test case #13344 CHXUA_X-SERV-USR_GXUA_PADM

Test Summary

Keyword :	CHXUA_X-SERV-USR_GXUA_PADM	**Type :**	conformity assessment
Name :	CHXUA_X-SERV-USR_GXUA_PADM	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-06 14:33:32.828142 by NicolasBailliet		

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for a Policy Administrator.

Test Description

Special Instructions

As X-Service User, this test might be easier to perform after **XUA_Authenticate_User** test.
X-Service User will have to perform a valid **Get X-User Assertion** transaction using a **Policy Administrator extension.** But because it is required to include the SAML UserAuthenticationResponse in the GetXUserAssertionRequest, you will need to perform also an **Authenticate User** transaction.
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for a **Policy Administrator.** The request must contains the Identity Assertion and the following attributes in the claims:

- The Purpose of Use MUST be provided as **purposeofuse**
- The Role of the subject MUST be provided as **role**
- The EPR-SPID of the targeted patient must be provided as **resource-id**

The data recognized by the Assertion Provider Simulator and the IdP Simulator can be found here : https://ehealthsuisse.ihe-europe.net/authentication-simulator/home.seam

Then the X-Assertion Provider will checks the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to play the X-Assertion Provider role as a simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Role in test : IdP_USER_AUTHENTICATION_PROVIDER_SIMU **Option :** R **Nb of instances :** 1

Role in test : X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool) **Option :** R **Nb of instances :** 1

Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option

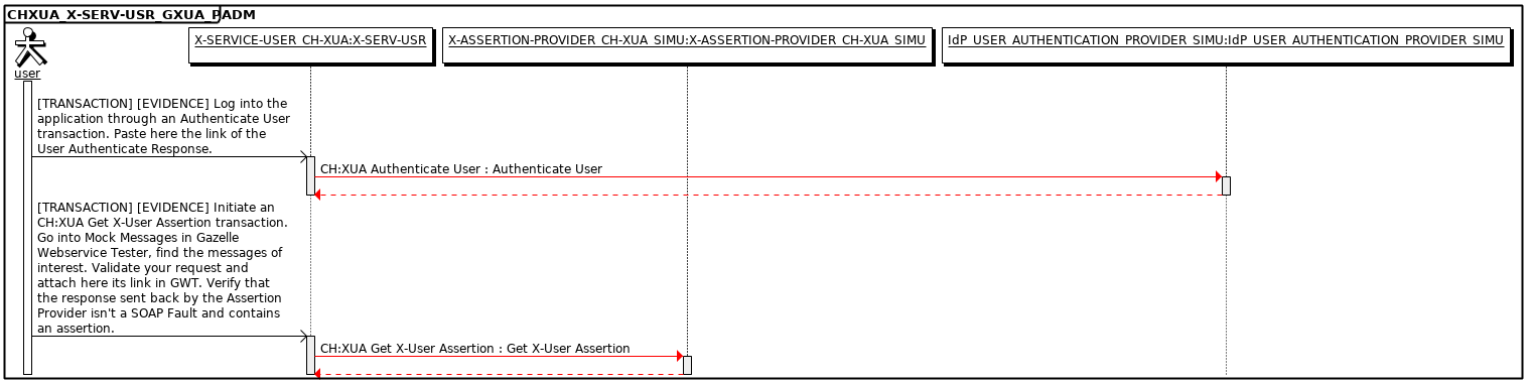
Test Participants

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	
[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction. Paste here the link of the User Authenticate Response.							
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your request and attach here its link in GWT. Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.							

Sequence Diagram



Test case #13342 CHXUA_X-SERV-USR_GXUA_PAT

Test Summary

Keyword : CHXUA_X-SERV-USR_GXUA_PAT
Name : CHXUA_X-SERV-USR_GXUA_PAT
Version : 1.0
Author : wbars
Date of last 2019-09-06 14:33:55.398091 by NicolasBailliet
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : NicolasBailliet

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for a Patient.

Test Description

Special Instructions

As X-Service User, this test might be easier to perform after **XUA_Authenticate_User** test.
X-Service User will have to perform a valid **Get X-User Assertion** transaction using a **Patient** extension. But because it is required to include the SAML UserAuthenticationResponse in the GetXUserAssertionRequest, you will need to perform also an **Authenticate User** transaction.
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for a **Patient.** The request must contain the Identity Assertion and the following attributes in the claims:

- The Purpose of Use MUST be provided as **purposeofuse**
- The Role of the subject MUST be provided as **role**
- The EPR-SPID of the targeted patient MUST be provided as **resource-id**
- The EPR-SPID of the Patient MAY be provided as **principal-id**
- The Name of the Patient MAY be provided as **principal-name**

Then the X-Assertion Provider will checks the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to play the X-Assertion Provider role as a simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Role in test : IdP_USER_AUTHENTICATION_PROVIDER_SIMU **Option :** R **Nb of instances :** 1

Role in test : X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool) **Option :** R **Nb of instances :** 1

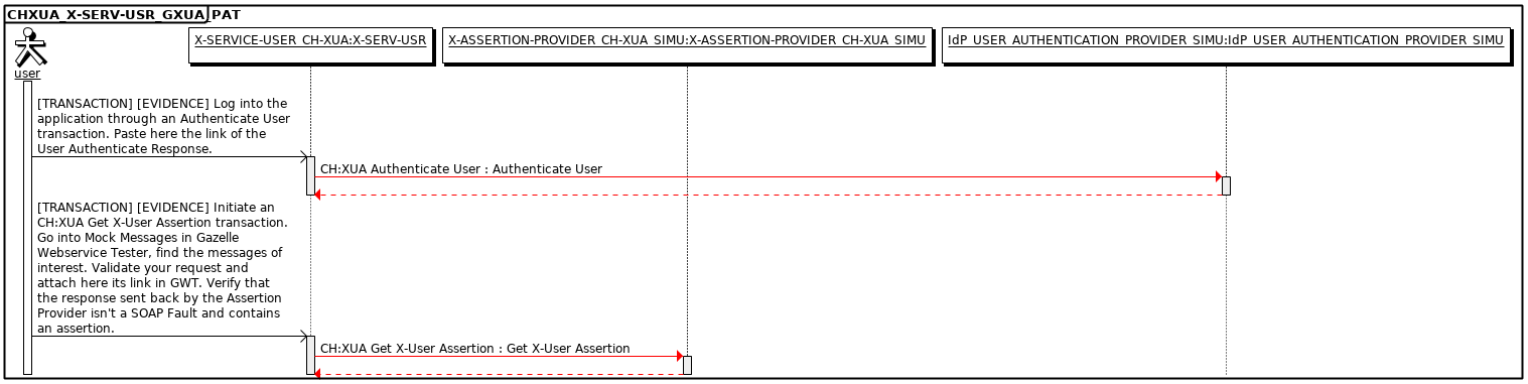
Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	
[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction. Paste here the link of the User Authenticate Response.							
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your request and attach here its link in GWT. Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.							

Sequence Diagram



Test case #13340 CHXUA_X-SERV-USR_GXUA_REP

Test Summary

Keyword :	CHXUA_X-SERV-USR_GXUA_REP	**Type :**	conformity assessment
Name :	CHXUA_X-SERV-USR_GXUA_REP	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-06 14:34:16.247313 by NicolasBailliet		

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for a Representative.

Test Description

Special Instructions

As X-Service User, this test might be easier to perform after **XUA_Authenticate_User** test.
X-Service User will have to perform a valid **Get X-User Assertion** transaction using a **Representative extension.** But because it is required to include the SAML UserAuthenticationResponse in the GetXUserAssertionRequest, you will need to perform also an **Authenticate User** transaction.
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for a **Representative.** The request must contain the Identity Assertion and the following attributes in the claims:

- The Purpose of Use MUST be provided as **purposeofuse**
- The Role of the subject MUST be provided as **role**
- The EPR-SPID of the targeted patient MUST be provided as **resource-id**
- The unique ID of the representative registered in the community data stores MAY be provided as **principal-id**
- The name of the representative registered in the community data stores MAY be provided as **principal-name**

The data recognized by the Assertion Provider Simulator and the IdP Simulator can be found here : https://ehealthsuisse.ihe-europe.net/authentication-simulator/home.seam

Then the X-Assertion Provider will checks the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to play the X-Assertion Provider role as a simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Role in test :	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	**Option :**	R	**Nb of instances :**	1

Role in test :	X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool)	**Option :**	R	**Nb of instances :**	1

Test Participants

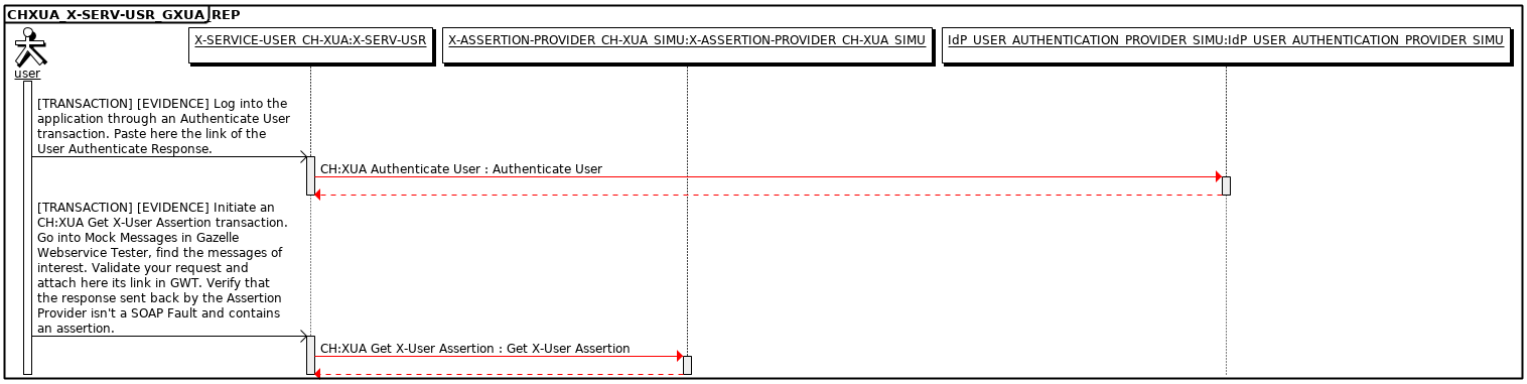
Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	
[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction. Paste here the link of the User Authenticate Response.							
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your request and attach here its link in GWT. Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.							

Sequence Diagram



Test case #13338 CHXUA_X-SERV-USR_GXUA_TCU

Test Summary

Keyword :	CHXUA_X-SERV-USR_GXUA_TCU	**Type :**	conformity assessment
Name :	CHXUA_X-SERV-USR_GXUA_TCU	**Peer Type :**	NO_PEER_TEST
Version :	1.0	**Status :**	ready
Author :	wbars	**Verified by :**	NicolasBailliet
Date of last	2019-09-06 14:34:44.995651 by NicolasBailliet		

Short Description : X-Service User requests an assertion to a simulated X-Assertion Provider for a Technical User.

Test Description

Special Instructions

X-Service User will have to perform a valid **Get X-User Assertion** transaction using the **Technical User extension.**
Moreover if your system does not allow to perform a **Get X-User Assertion** transaction alone, you will have to trigger an action that leads to an **ITI-40 Provide X-User Assertion** transaction, such a PIXv3 Query or an XDS.b Stored Query.

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

Description

X-Service User will have to initiate a valid Get X-User Assertion transaction for a **Technical User**. The request must contain the Identity Assertion and the following attributes in the claims:

- The Purpose of Use MUST be provided as **purposeofuse**
- The Role of the subject MUST be provided as **role**
- The EPR-SPID of the targeted patient must be provided as **resource-id**
- The GLN of the legal responsible healthcare professional the technical user is acting on behalf of MUST be provided as **principal-id**
- The name of the legal responsible healthcare professional the technical user is acting on behalf of MUST be provided as **principal-name**

In the technical user extension the SAML 2 Identity Assertion MUST be signed by the technical user with a private key that uniquely identifies the technical user.

The data recognized by the Assertion Provider Simulator and the IdP Simulator can be found here : https://ehealthsuisse.ihe-europe.net/authentication-simulator/home.seam

Then the X-Assertion Provider will checks the validity of the GetXUserAssertionRequest and issue an assertion.

The endPoint to use to play the X-Assertion Provider role as a simulator is: https://ehealthsuisse.ihe-europe.net:10443/STS?wsdl

For the Get X-User Assertion, the messages exchanged between your SUT and the Assertion Provider 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: **XML** and Extension **CH:XUA** 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 validation global result for the entire XUA request must be **PASSED** and include the UserAuthenticationResponse.

The GetXUserAssertionResponse must not be a SOAP Fault and contain an assertion. No need for EVSClient validation.

Test Participants

Role in test : IdP_USER_AUTHENTICATION_PROVIDER_SIMU **Option :** R **Nb of instances :** 1

Role in test : X-ASSERTION-PROVIDER_CH-XUA_SIMU (Tool) **Option :** R **Nb of instances :** 1

Role in test : X-SERVICE-USER_CH-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option

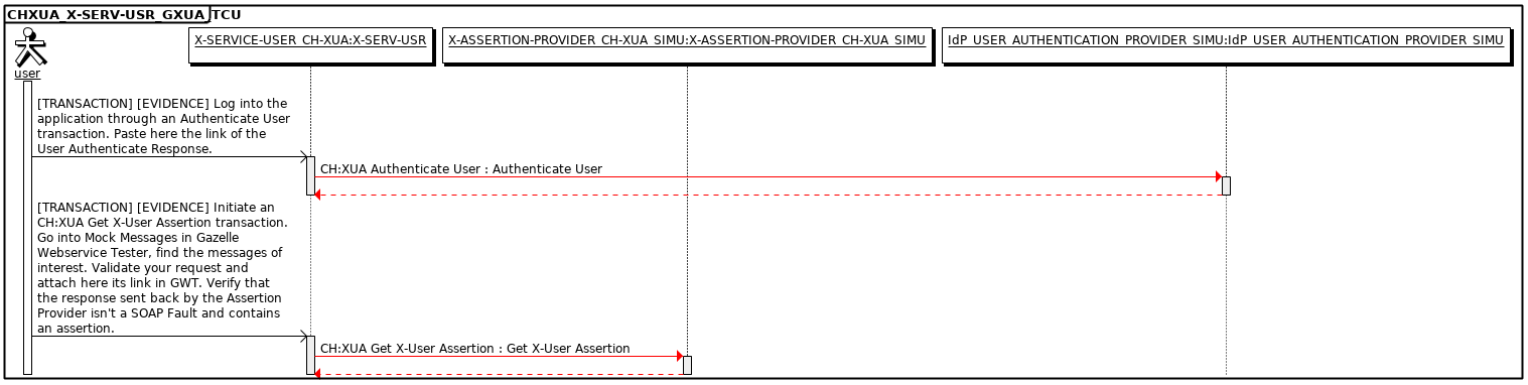
Test Participants

Actor	Profile	Option
X-SERV-USR	CH:XUA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	X-SERVICE-USER_CH-XUA	IdP_USER_AUTHENTICATION_PROVIDER_SIMU	CH:XUA Authenticate User	Authenticate User	Yes	Required	
[TRANSACTION] [EVIDENCE] Log into the application through an Authenticate User transaction. Paste here the link of the User Authenticate Response.							
20	X-SERVICE-USER_CH-XUA	X-ASSERTION-PROVIDER_CH-XUA_SIMU	CH:XUA Get X-User Assertion	Get X-User Assertion	Yes	Required	
[TRANSACTION] [EVIDENCE] Initiate an CH:XUA Get X-User Assertion transaction. Go into Mock Messages in Gazelle Webservice Tester, find the messages of interest. Validate your request and attach here its link in GWT. Verify that the response sent back by the Assertion Provider isn't a SOAP Fault and contains an assertion.							

Sequence Diagram



Test case #13336 XUA_X-SERVICE-PROV_ITI-40

Test Summary

Keyword : XUA_X-SERVICE-PROV_ITI-40
Name : XUA_X-SERVICE-PROV_ITI-40
Version : 1.2
Author : wbars
Date of last 2020-05-05 17:51:34.587866 by ycadoret

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

Short Description : This test is used to synthesis the testing of the XUA X-Service-Provider actor.

Test Description

Special Instructions

Testing of the XUA X-Service-Provider actor implemented in your system is going to be performed in parallel to the testing of the other transactions protected by XUA. That means that for some of the tests, you will be asked to demonstrate that your system makes use of the SAML assertion provided in the SOAP Header of the received message. The presence of a SAML token in the received request shall be reflected in the audit message produced by your system.

Description

In order to conduct the tests correctly, your system is expected to use the Syslog collector as an ATNA Audit Record Repository. In other words, before the testing starts, configure your systems acting as XUA X-Service-Provider actor to send its audit messages to the simulator.

When executing a test which requires your system to support the XUA X-Service Provider actor and to generate an audit message, you need to demonstrate that the information from SAML token has been incorporated in the audit message.

The audit messages produced by SUT should have been recorded by the Syslog collector and be available in Gazelle Security Suite. For one of the step which requires a SAML token:

1. Access the audit messages in Gazelle Security Suite from the "Audit Trail" > "Syslog collector" menu;
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. Download the audit message
4. Upload the audit message file into the "Audit message" section of your ATNA questionnaire.
5. Copy/Paste the link to the test instance into the test step below which relates to the IHE actor you are testing.

Evaluation

The monitor is expected to review each test instance referenced in the test steps section below to verify that an audit message has been recorded in the ATNA questionnaire and the audit message complies with the requirements from IHE technical framework:

the ATNA Audit message **UserName** element records the X-User Assertion using the following encoding: **alias<user@issuer>** where:

- **alias** is the optional string within the SAML Assertion's Subject element SPProvidedID attribute
- **user** is the required content of the SAML Assertion's Subject element
- **issuer** is the X-Assertion Provider entity ID contained with the content of SAML Assertion's Issuer element
- The "<" and ">" represent XML control characters

Example: JD<John.Doe@example.com>
If the requirement is met, mark the step "verified" (green check), otherwise, mark it as "failed" (red cross).

At the end of the test session, the test shall be marked as verified only if all the steps related to actors supported by the system under test are marked as "verified". Otherwise, this test is failed.

Test Participants

Role in test : X_SERVICE_PROVIDER-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-PROV	XUA	NONE
SN	ATNA	NONE
SA	ATNA	NONE

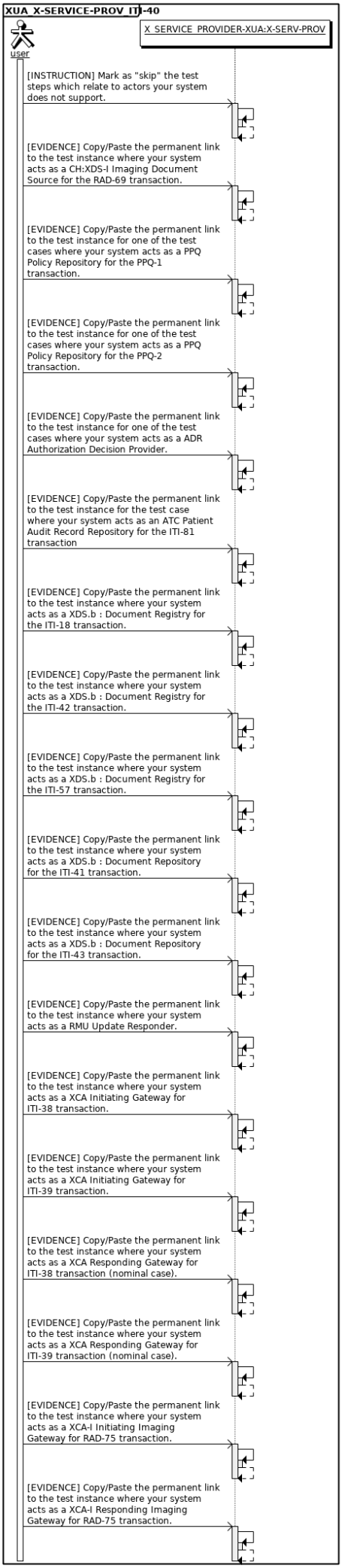
Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Required	
[INSTRUCTION] Mark as "skip" the test steps which relate to actors your system does not support.							
15	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a CH:XDS-I Imaging Document Source for the RAD-69 transaction.							
20	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Repository for the PPQ-1 transaction.							
25	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Repository for the PPQ-2 transaction.							
30	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a ADR Authorization Decision Provider.							
35	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as an ATC Patient Audit Record Repository for the ITI-81 transaction							
40	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Registry for the ITI-18 transaction.							
43	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Registry for the ITI-42 transaction.							
47	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Registry for the ITI-57 transaction.							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
48	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Repository for the ITI-41 transaction.							
49	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Repository for the ITI-43 transaction.							
50	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a RMU Update Responder.							
60	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Initiating Gateway for ITI-38 transaction.							
65	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Initiating Gateway for ITI-39 transaction.							
70	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Responding Gateway for ITI-38 transaction (nominal case).							
75	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Responding Gateway for ITI-39 transaction (nominal case).							
85	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA-I Initiating Imaging Gateway for RAD-75 transaction.							
95	X_SERVICE_PROVIDER-XUA	X_SERVICE_PROVIDER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA-I Responding Imaging Gateway for RAD-75 transaction.							

Sequence Diagram


XUA_X-SERVICE-PROV_ITI-40
user
X_SERVICE_PROVIDER-XUA:X-SERV-PROV
[INSTRUCTION] Mark as "skip" the test steps which relate to actors your system does not support.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a CH:XDS-I Imaging Document Source for the RAD-69 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Repository for the PPQ-1 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Repository for the PPQ-2 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a ADR Authorization Decision Provider.
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as an ATC Patient Audit Record Repository for the ITI-81 transaction
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Registry for the ITI-18 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Registry for the ITI-42 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Registry for the ITI-57 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Repository for the ITI-41 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b : Document Repository for the ITI-43 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a RMU Update Responder.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Initiating Gateway for ITI-38 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Initiating Gateway for ITI-39 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Responding Gateway for ITI-38 transaction (nominal case).
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA Responding Gateway for ITI-39 transaction (nominal case).
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA-I Initiating Imaging Gateway for RAD-75 transaction.
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XCA-I Responding Imaging Gateway for RAD-75 transaction.

Test case #13521 XUA_X-SERVICE-USER_ITI-40

Test Summary

Keyword : XUA_X-SERVICE-USER_ITI-40
Name : XUA_X-SERVICE-USER_ITI-40
Version : 1.0
Author : aberge
Date of last 2019-09-12 17:59:34.297023 by aeschlimann

Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : Not verified

Short Description : This test is used to synthesis the testing of the XUA X-Service-User actor.

Test Description

Special Instructions

Testing of the XUA X-Service-User actor implemented in your system is going to be performed in parallel to the testing of the other transactions protected by XUA. That means that for some of the tests, you will be asked to demonstrate that your system incorporates a SAML assertion in the SOAP header of the sent request. The presence of a SAML token shall be reflected in the audit message produced by your system.

Description

In order to conduct the tests correctly, your system is expected to use the Syslog collector as an ATNA Audit Record Repository. In other words, before the testing starts, configure your systems acting as XUA X-Service-User actor to send its audit messages to the simulator.

When executing a test which requires your system to support the XUA X-Service User actor and to generate an audit message, you need to demonstrate that the information from SAML token has been incorporated in the audit message.

The audit messages produced by SUT should have been recorded by the Syslog collector and be available in Gazelle Security Suite. For one of the step which requires a SAML token:

1. Access the audit messages in Gazelle Security Suite from the "Audit Trail" > "Syslog collector" menu;
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. Download the audit message
4. Upload the audit message file into the "Audit message" section of your ATNA questionnaire.
5. Copy/Paste the link to the test instance into the test step below which relates to the IHE actor you are testing.

Evaluation

The monitor is expected to review each test instance referenced in the test steps section below to verify that

1. a SAML assertion is present in the SOAP Header of the message produced by the system acting as X-Service User;
2. an audit message has been recorded in the ATNA questionnaire and the audit message complies with the requirements from IHE technical framework: the **ATNA Audit** message **UserName** element records the **X-User Assertion** using the following encoding: **alias<user@issuer>** where:

- **alias** is the optional string within the SAML Assertion's Subject element SPProvidedID attribute
- **user** is the required content of the SAML Assertion's Subject element
- **issuer** is the X-Assertion Provider entity ID contained with the content of SAML Assertion's Issuer element
- The "<" and ">" represent XML control characters

Example: JD<John.Doe@example.com>

If those requirements are met, mark the step "verified" (green check), otherwise, mark it as "failed" (red cross).

At the end of the test session, the test shall be marked as verified only if all the steps related to actors supported by the system under test are marked as "verified". Otherwise, this test is failed.

Test Participants

Role in test : X_SERVICE_USER-XUA (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
X-SERV-USR	XUA	NONE
SA	ATNA	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
1	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Required	
[INSTRUCTION] Mark as "skip" the test steps which relate to actors your system does not support.							
2	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b Document Consumer for ITI-18 transaction.							
3	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a CH:XDS-I Imaging Document Consumer for RAD-69 transaction.							
10	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a CH:XDS-I Imaging Document Source for RAD-68 transaction.							
19	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Repository for PPQ-1 transaction..							
20	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Repository for PPQ-2 transaction..							
21	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Consumer.							
22	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a PPQ Policy Source.							
30	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS-MU Document Administrator for ITI-57 transaction.							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
40	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b Document Source for ITI-41 transaction.							
50	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as a RMU Update Initiator.							
51	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as a RMU Update Responder.							
55	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as an ATC Patient Audit Record Repository grouped with an ADR Consumer when sending an Authorization Decision Query for the ITI-81 transaction							
56	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b Document Registry coupled with and ADR Decision Provider when sending an AuthorizationDecision request concerning an ITI-18 transaction.							
57	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b Document Registry coupled with and ADR Decision Provider when sending an AuthorizationDecision request concerning an ITI-42 transaction.							
58	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b Document Registry coupled with and ADR Decision Provider when sending an AuthorizationDecision request concerning an ITI-57 transaction.							
59	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance where your system acts as a XDS.b Document Repository for ITI-42 transaction.							
60	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a XCA Initiating Gateway.							

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
70	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for one of the test cases where your system acts as a XCA Responding Gateway.							
80	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as a XCA-I Initiating Imaging Gateway.							
90	X_SERVICE_USER-XUA	X_SERVICE_USER-XUA		-	No	Optional	
[EVIDENCE] Copy/Paste the permanent link to the test instance for the test case where your system acts as a XCA-I Responding Imaging Gateway.							

Sequence Diagram