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Test case #14208 CH:mCSD_Directory

Test Summary

Keyword : CH:mCSD_Directory_CTS	Type : conformity assessment
Name : CH:mCSD_Directory	Peer Type : NO_PEER_TEST
Version : 1.2	Status : ready
Author : angelina.ker	Verified by : Not verified
Date of last 2026-07-16 11:41:33.880731 by vhofman	

Short Description : In this case, your system acting as a Directory must handle requests sent from a Query Client (simulator).

Test Description

Special Instructions

Prerequisite Test

The **Directory** must perform test [CH:mCSD_Load_Test_Data](#) to load test data (FHIR resources) on its system. This must be done prior to this test to ensure the directory is populated with entries (resources) used in the queries in this test.

The Directory must validate [CH:UUA_BasicAccessToken](#) because CH:mCSD enforces authentication and authorization of access to the Directory using the IUA profile with basic access token (CH:mCSD v3.0.0 ITI-90 3.11.5).

XML vs JSON

For the [ITI-90] transaction, the Directory must support both JSON or XML message encodings (ITI TF-2c: 3.90.4.1.2) so requests will be sent indicating the 2 response formats.

GET vs POST

For the [ITI-90] transaction, the Directory must support search request based on both GET and POST (ITI TF-2c: 3.90.4.1.2) so requests will be sent using the 2 possibilities. However, the mechanism for retrieving a single Care Services Resource with a known resource identifier uses only HTTP GET (ITI TF-2c: 3.90.4.3).

Trace Context header

For all requests, the [HTTP traceparent](#) header is mandatory for the responder.

Description

In the CH:mCSD Profile, the Directory must support one or more of the different types of queries in the [ITI-90] transaction (CH:mCSD v3.0.0 ITI-90 3.11.4.1.1) :

- Query for Organization resources (ITI TF-2c: 3.90.4.1.2.2 and 3.90.4.2.2.1)
- Query for Practitioner resources (ITI TF-2c: 3.90.4.1.2.4, and 3.90.4.2.2.3)
- Query for PractitionerRole resources (3.90.4.1.2.5 and 2:3.90.4.2.2.4)

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

1. Access Gazelle Webservice Tester ehealthsuisse.ihe-europe.net/gazelle-webservice-tester/home.seam and log into the application.
2. Go to the menu "Run".
3. Select the test project name **CH:mCSD Directory - ITI-90** from the drop-down list.
4. Select test suite **Organization Normal Cases** by ticking the checkbox in front of its name.
5. Enter the URL of your system under test endpoint (shall be a secured endpoint).
6. Click on "Run" button.
7. Wait for the script to complete its execution.
8. When the script stops, copy the permanent link of the execution to the test step in Gazelle Test Management.
9. Reproduce 2 times the steps 2 to 8 but by choosing first **Practitioner Normal Cases** and then **PractitionerRole Normal cases**.

The conformance of the responses sent back by your system shall be assessed. In Gazelle Webservice Tester, for the 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: **EPR > CH EPR FHIR** 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 status code of the response: HTTP 200 OK
- The validation in EVSClient must return **Passed**.

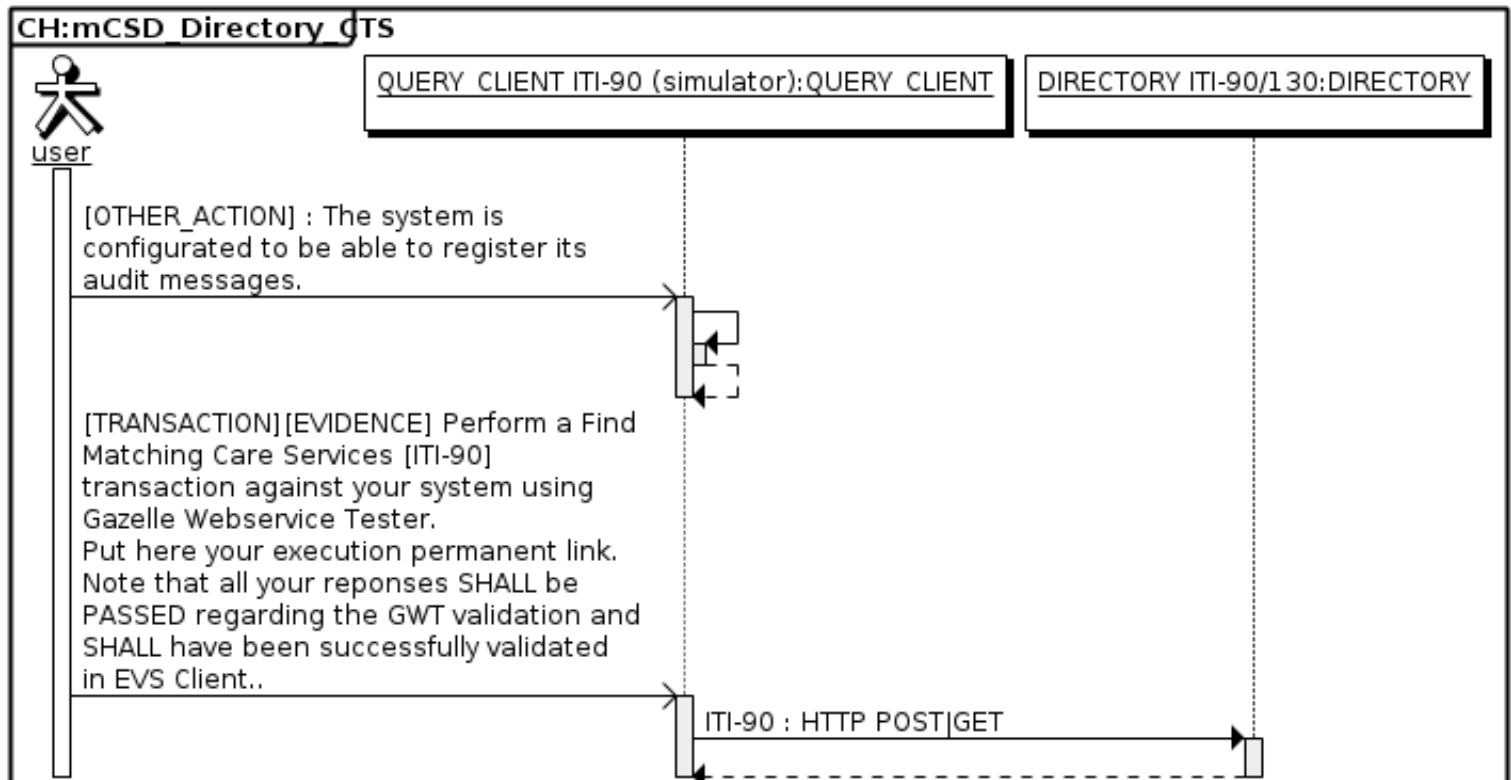
Test Participants

Role in test : DIRECTORY ITI-90/130 (SUT)			Option : R	Nb of instances : 1
Actor	Profile	Option		
DIRECTORY	CH: mCSD	NONE		
Role in test : QUERY_CLIENT ITI-90 (simulator) (Tool)			Option : R	Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	QUERY_CLIENT ITI-90 (simulator)	QUERY_CLIENT ITI-90 (simulator)		INSTRUCTION	No	null	
[OTHER_ACTION] : The system is configured to be able to register its audit messages.							
20	QUERY_CLIENT ITI-90 (simulator)	DIRECTORY ITI-90/130	ITI-90	HTTP POST GET	No	Required	
[TRANSACTION][EVIDENCE] Perform a Find Matching Care Services [ITI-90] transaction against your system using Gazelle Webservice Tester. Put here your execution permanent link. Note that all your reponses SHALL be PASSED regarding the GWT validation and SHALL have been successfully validated in EVS Client..							

Sequence Diagram



Test case #14210 CH:mCSD_Directory_ErrorCases

Test Summary

Keyword : CH:mCSD_Directory_ErrorCases_CTS	Type : conformity assessment
Name : CH:mCSD_Directory_ErrorCases	Peer Type : NO_PEER_TEST
Version : 1.2	Status : ready
Author : angelina.ker	Verified by : Not verified
Date of last 2026-07-16 13:38:43.615925 by vhofman	

Short Description : In this case, your system acting as a Directory must handle requests sent from a Query Client (simulator). It must respond correctly to various error situations of ITI-90 according to CH:mCSD profile.

Test Description

Special Instructions

Prerequisite Test

The Directory must perform test [CH:mCSD_Load_Test_Data](#) to load test data (FHIR resources) on its system. This must be done prior to this test to ensure the directory is populated with entries (resources) used in the queries in this test.

The Directory must perform [CH:UUA_BasicAccessToken](#) because CH:mCSD enforces authentication and authorization of access to the Directory using the IUA profile with basic access token (CH:mCSD v3.0.0 ITI-90 3.11.5).

XML vs JSON

For the [ITI-90] transaction, the Directory must support both JSON or XML message encodings (ITI TF-2c: 3.90.4.1.2) so requests will be sent indicating the 2 response formats.

GET vs POST

For the [ITI-90] transaction, the Directory must support search request based on both GET and POST (ITI TF-2c: 3.90.4.1.2) so requests will be sent using the 2 possibilities. However, the mechanism for retrieving a single Care Services Resource with a known resource identifier uses only HTTP GET (ITI TF-2c: 3.90.4.3).

Trace Context header

For all requests, the HTTP [traceparent](#) header is mandatory for the responder.

Description

In the CH:mCSD Profile, the Directory must support one or more of the different types of queries in the [ITI-90] transaction (CH:mCSD v3.0.0 ITI-90 3.11.4.1.1):

- Query for Organization resources (ITI TF-2c: 3.90.4.1.2.2 and 3.90.4.2.2.1)
- Query for Practitioner resources (ITI TF-2c: 3.90.4.1.2.4, and 3.90.4.2.2.3)
- Query for PractitionerRole resources (3.90.4.1.2.5 and 2:3.90.4.2.2.4)

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

1. Access Gazelle Webservice Tester ehealthsuisse.ihe-europe.net/gazelle-webservice-tester/home.seam and log into the application.
2. Go to the menu "Run".
3. Select the test project name **CH:mCSD Directory- ITI-90** from the drop-down list.
4. Select test suite **Organization Error Cases** by ticking the checkbox in front of its name.
5. Enter the URL of your system under test endpoint (shall be a secured endpoint).
6. Click on "Run" button.
7. Wait for the script to complete its execution.
8. When the script stops, copy the permanent link of the execution to the test step in Gazelle Test Management.
9. Reproduce 2 times the steps 2 to 8 but by choosing first **Practitioner Error Cases** and then **PractitionerRole Error cases**.

Evaluation

- The status code of the response: HTTP 400 or 404.
- The validation in EVSClient must return **Passed**.

Test Participants

Role in test : DIRECTORY ITI-90/130 (SUT)			Option : R	Nb of instances : 1
Actor	Profile	Option		
DIRECTORY	CH: mCSD	NONE		

Test Participants

Role in test : QUERY_CLIENT ITI-90 (simulator) (Tool)

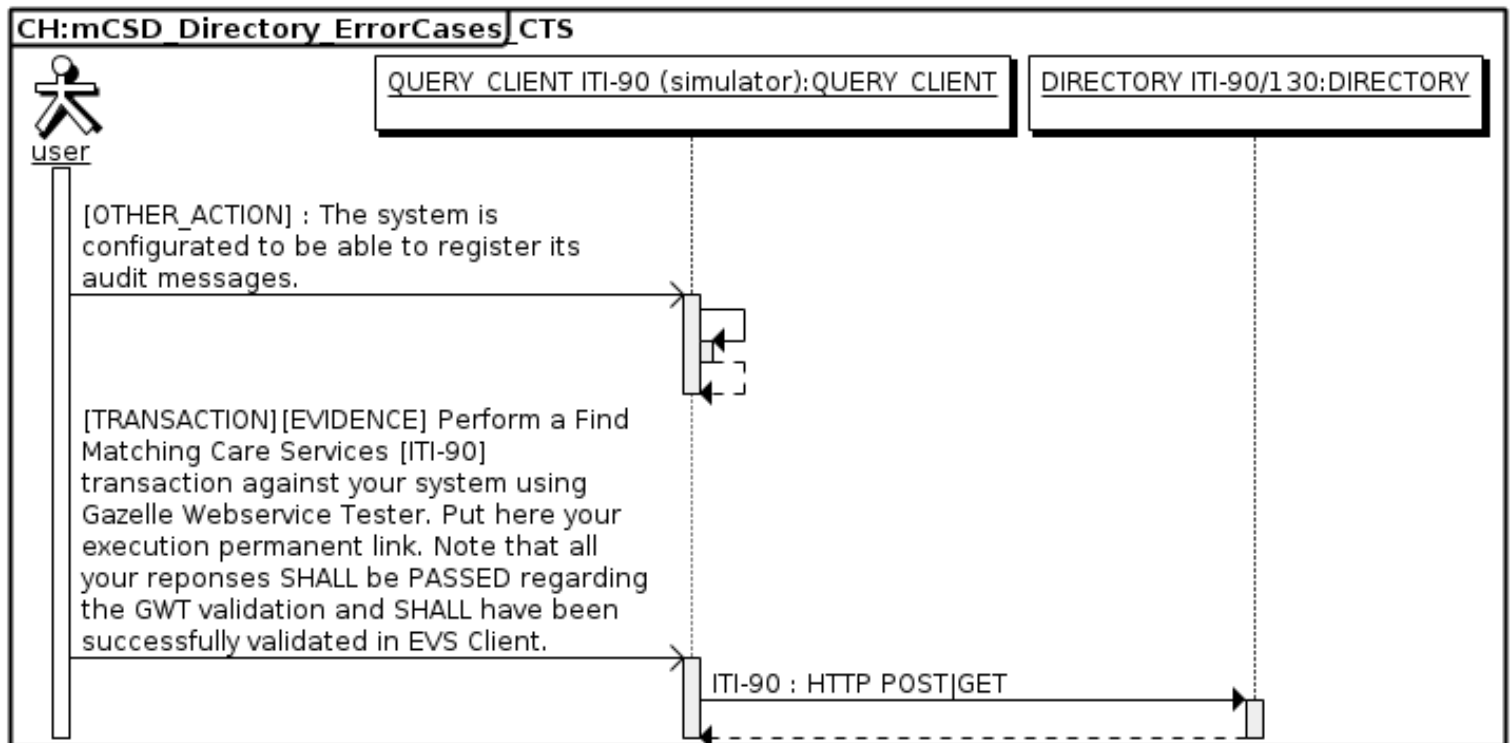
Option : R

Nb of instances : 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	QUERY_CLIENT ITI-90 (simulator)	QUERY_CLIENT ITI-90 (simulator)		INSTRUCTION	No	Required	
[OTHER_ACTION] : The system is configured to be able to register its audit messages.							
20	QUERY_CLIENT ITI-90 (simulator)	DIRECTORY ITI-90/130	ITI-90	HTTP POST GET	No	Required	
[TRANSACTION][EVIDENCE] Perform a Find Matching Care Services [ITI-90] transaction against your system using Gazelle Webservice Tester. Put here your execution permanent link. Note that all your reponses SHALL be PASSED regarding the GWT validation and SHALL have been successfully validated in EVS Client.							

Sequence Diagram



Test case #14211 CH:mCSD_Load_Test_Data

Test Summary

Keyword : CH:mCSD_Load_Test_Data_CTS
Name : CH:mCSD_Load_Test_Data
Version : 1.1
Author : angelina.ker
Date of last : 2025-06-24 17:24:29.024095 by angelina.ker
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : **Not verified**

Short Description : mCSD Directory pre-loads FHIR Resources prior to Connectathon testing

Test Description

Special Instructions

This is not an actual "test". Rather it is a task that ensures that the **mCSD Directory** is loaded with the Resources and value sets that we will use as part of Connectathon testing.

Description

The instructions below apply to **mCSD Directory** systems.

(1) Connectathon FHIR Resources

In order to perform query testing with predictable results, the **Directory** system must be populated with the entries from pre-defined FHIR Resources:

- Organization
- Practitioner
- PractitionerRoles

These resources are available at these links:

- [mCSD-No-peer-Organization-SpitalX](#)
- [mCSD-No-peer-Practitioner-DrAndrews](#)
- [mCSD-No-peer-Practitioner-DrMeier](#)
- [mCSD-No-peer-Practitioner-DrReynolds](#)
- [mCSD-No-peer-PractitionerRole-AnnAndrewsSpitalXOsteopathie](#)
- [mCSD-No-peer-PractitionerRole-HansMeierSpitalX](#)
- [mCSD-No-peer-PractitionerRole-RichardReynoldsSpitalX](#)
- [mCSD-No-peer-mcsd-Organization-SpitalX-Osteopathie](#)

(2) Additional Resources

The pre-defined Connectathon test data are limited in scope. We expect Directories to be populated with additional Organization, Provider, Facility & Service Resources. We give no specific guidance on the number of Resources, but we are looking for a more realistic database. Good entries offer better testing opportunities.

Evaluation

There are no result files to upload into Gazelle Test Management for this test.

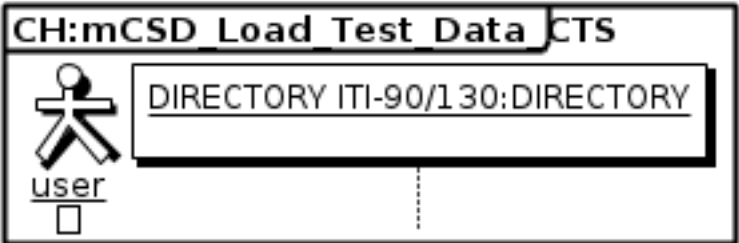
Test Participants

Role in test : DIRECTORY ITI-90/130 (SUT)			Option : R	Nb of instances : 1
Actor	Profile	Option		
DIRECTORY	CH: mCSD	NONE		

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
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Sequence Diagram



Test case #14209 CH:mCSD_QueryClient

Test Summary

Keyword : CH:mCSD_QueryClient_CTS
Name : CH:mCSD_QueryClient
Version : 1.0
Author : angelina.ker
Date of last : 2025-06-24 17:22:45.325515 by angelina.ker

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

Short Description : In this case, your system acting as a Query Client must send requests to a Directory (simulator) to find and retrieve care services resources.

Test Description

Special Instructions

Prerequisite Test

The **Query Client** must perform [CH:IUA_BasicAccessToken](#) because CH:mCSD enforces authentication and authorization of access to the Directory using the IUA profile with basic access token ([CH:mCSD v3.0.0 ITI-90 3.11.5](#)).

XML vs JSON

For the [ITI-90] transaction, the Query Client may choose to support either JSON or XML, or both, for the response encoding ([ITI-TF-2c: 3.90.4.1.2](#)) so the Query Client shall indicate its preference for response format as described in [ITI-TF-2: Appendix 2.6](#).

GET vs POST

For the [ITI-90] transaction, the Query Client may choose to support search request based either on GET or POST, or both ([ITI-TF-2c: 3.90.4.1.2](#)) so the Query Client can use GET or POST to initiate search requests. However, to retrieve a single resource with a known resource identifier, the Query Client must use GET to initiate the request ([ITI-TF-2c: 3.90.4.3](#)).

Description

In the CH:mCSD Profile, the Query Client must support one or more of the different types of queries in the [ITI-90] transaction ([CH:mCSD v3.0.0 ITI-90 3.11.4.1.1](#)):

- Query for **Organization** resources ([ITI-TF-2c: 3.90.4.1.2.2](#) and [3.90.4.2.2.1](#))
- Query for **Practitioner** resources ([ITI-TF-2c: 3.90.4.1.2.4](#), and [3.90.4.2.2.3](#))
- Query for **PractitionerRole** resources ([3.90.4.1.2.5](#) and [2:3.90.4.2.2.4](#))

Requests performed during tests where your system should act as a Query Client can be recorded by Gazelle Proxy if a channel is available.

You'll need to request the Directory server available : <https://ehealthsuisse.ihe-europe.net/mcsd-simulator/fhir/ch/>

All the request should return at least 1 Entry in the returned SearchSets.
There is no need to validate your query in EVS Client, your validation report is available in the response's Header parameter named "HTTP-Validation-URL".

The Query Client shall support at least 1 of the 3 mCSD resources. So you'll need to test and validate at least 1 of the following groups :

Evaluation

A result **Passed** is required, the status code of the response sent by the simulator is: http 200.

Test Participants

Role in test : DIRECTORY (simulator) (Tool)

Option : R

Nb of instances : 1

Test Participants

Role in test : QUERY_CLIENT ITI-90 (SUT)		Option : R	Nb of instances : 1
Actor	Profile	Option	
QUERY_CLIENT	CH: mCSD	NONE	

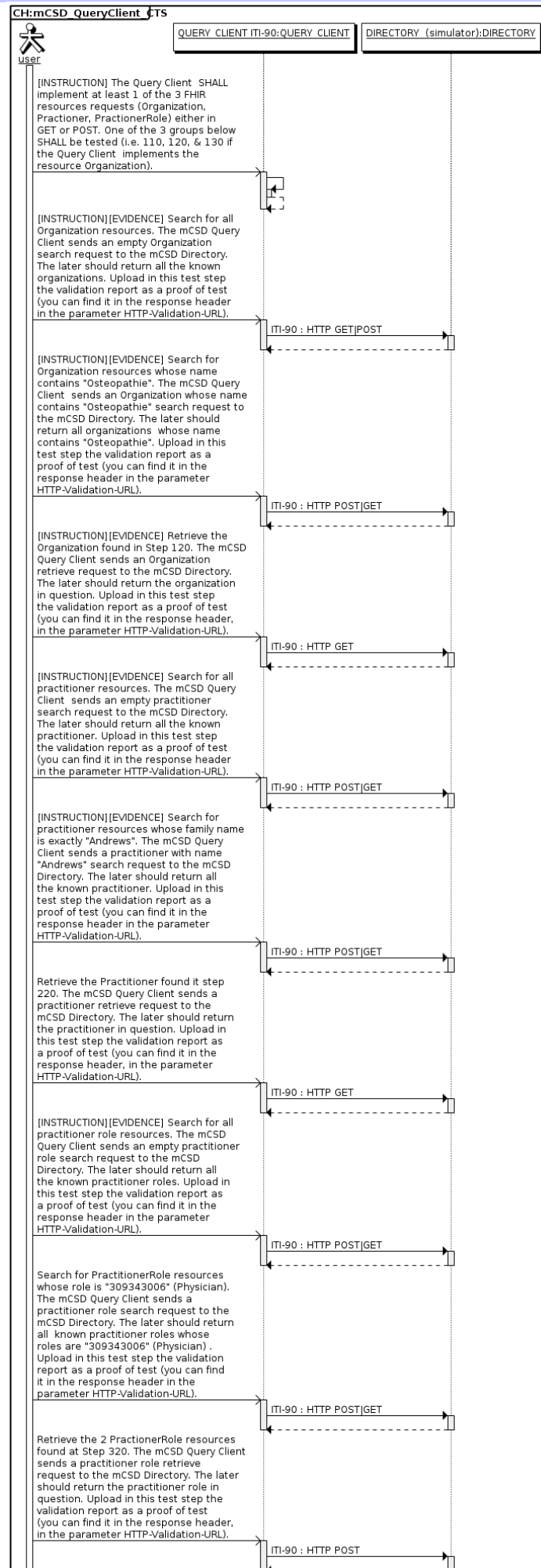
Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	QUERY_CLIENT ITI-90	QUERY_CLIENT ITI-90		Instruction	No	Required	[INSTRUCTION] The Query Client SHALL implement at least 1 of the 3 FHIR resources requests (Organization, Practioner, PractionerRole) either in GET or POST. One of the 3 groups below SHALL be tested (i.e. 110, 120, & 130 if the Query Client implements the resource Organization).
110	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP GET POST	No	Optional	[INSTRUCTION][EVIDENCE] Search for all Organization resources. The mCSD Query Client sends an empty Organization search request to the mCSD Directory. The later should return all the known organizations. Upload in this test step the validation report as a proof of test (you can find it in the response header in the parameter HTTP-Validation-URL).
120	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP POST GET	No	Optional	[INSTRUCTION][EVIDENCE] Search for Organization resources whose name contains "Osteopathie". The mCSD Query Client sends an Organization whose name contains "Osteopathie" search request to the mCSD Directory. The later should return all organizations whose name contains "Osteopathie". Upload in this test step the validation report as a proof of test (you can find it in the response header in the parameter HTTP-Validation-URL).
130	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP GET	No	Optional	[INSTRUCTION][EVIDENCE] Retrieve the Organization found in Step 120. The mCSD Query Client sends an Organization retrieve request to the mCSD Directory. The later should return the organization in question. Upload in this test step the validation report as a proof of test (you can find it in the response header, in the parameter HTTP-Validation-URL).
210	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP POST GET	No	Optional	[INSTRUCTION][EVIDENCE] Search for all practitioner resources. The mCSD Query Client sends an empty practitioner search request to the mCSD Directory. The later should return all the known practitioner. Upload in this test step the validation report as a proof of test (you can find it in the response header in the parameter HTTP-Validation-URL).
220	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP POST GET	No	Optional	[INSTRUCTION][EVIDENCE] Search for practitioner resources whose family name is exactly "Andrews". The mCSD Query Client sends a practitioner with name "Andrews" search request to the mCSD Directory. The later should return all the known practitioner. Upload in this test step the validation report as a proof of test (you can find it in the response header in the parameter HTTP-Validation-URL).
230	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP GET	No	Optional	

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
Retrieve the Practitioner found it step 220. The mCSD Query Client sends a practitioner retrieve request to the mCSD Directory. The later should return the practitioner in question. Upload in this test step the validation report as a proof of test (you can find it in the response header, in the parameter HTTP-Validation-URL).							
310	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP POST GET	No	Optional	[INSTRUCTION][EVIDENCE] Search for all practitioner role resources. The mCSD Query Client sends an empty practitioner role search request to the mCSD Directory. The later should return all the known practitioner roles. Upload in this test step the validation report as a proof of test (you can find it in the response header in the parameter HTTP-Validation-URL).
320	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP POST GET	No	Optional	Search for PractitionerRole resources whose role is "309343006" (Physician). The mCSD Query Client sends a practitioner role search request to the mCSD Directory. The later should return all known practitioner roles whose roles are "309343006" (Physician) . Upload in this test step the validation report as a proof of test (you can find it in the response header in the parameter HTTP-Validation-URL).
330	QUERY_CLIENT ITI-90	DIRECTORY (simulator)	ITI-90	HTTP POST	No	Optional	Retrieve the 2 PractionerRole resources found at Step 320. The mCSD Query Client sends a practitioner role retrieve request to the mCSD Directory. The later should return the practitioner role in question. Upload in this test step the validation report as a proof of test (you can find it in the response header, in the parameter HTTP-Validation-URL).

Sequence Diagram



Test case #14288 EPR mCSD ITI-130

Test Summary

Keyword : EPR_ITI-130_Data_Source_CTS	Type : conformity assessment
Name : EPR mCSD ITI-130	Peer Type : NO_PEER_TEST
Version : 1.0	Status : ready
Author : vhofman	Verified by : Not verified
Date of last 2026-07-15 15:31:11.258024 by vhofman	

Short Description : This test case evaluates the Care Services Feed [EPR mCSD-1] transaction, which is used to add, update, and delete Care Services information from the Data Source to the Directory simulator.

Test Description

Conformance tests definitions

This test case evaluates the Care Services Feed [ITI-130] transaction, which is used to add, update, and delete Care Services information from the Data Source to the Directory.

The Data Source, represented by the System Under Test (SUT), is the primary focus of this test.

The objective is to ensure that the Data Source correctly prepares and issues add, update, or delete requests for Care Services resources (Practitioner, PractitionerRole or Organization) and appropriately handles the responses.

Special Instructions

A Data Source shall send a request for either the JSON or the XML format as defined in FHIR.

The transaction SHALL be secured by Transport Layer Security (TLS) encryption and server authentication with server certificates. Transactions across communities SHALL use mTLS.

This national extension enforces authentication and authorization of access to the Directory using the IUA profile with basic access token.

Consequently the Add/Update/Delete Care Services [ITI-130] requests must embed the [ITI-72] transaction of the IUA profile.

Description

The Data Source (SUT) sends add, update, and delete requests specified in the test steps for practitioners, practitioner roles, and organizations to the Directory simulator.

The endpoint to contact the mCSD Directory Simulator is: <https://ehealthsuisse.ihe-europe.net/mcsd-simulator/fhir/ch>

This sequence ask you to:

1. Create 3 FHIR resources (Organization, Practitioner & PractionerRole)
2. Update the 3 resources created above
3. Delete the 3 resources updated above.

Validation

The mCSD Directory Simulator integrates its own validation sequences through automatic requests to EVS Client.

You can find your validation reports (One for the HTTP request and one for the FHIR resource) in the header of the simulator response.

Test Data

In order to perform query testing with predictable results, the Data Source should use the entries from pre-defined FHIR Resources:

- Organization
- Practitioner
- PractitionerRoles

These resources are available at these links:

- [mCSD-No-peer-Organization-SpitalX](#)
- [mCSD-No-peer-mcsd-Organization-SpitalX-Osteopathie](#)
- [mCSD-No-peer-Practitioner-DrAndrews](#)
- [mCSD-No-peer-Practitioner-DrMeier](#)
- [mCSD-No-peer-Practitioner-DrReynolds](#)
- [mCSD-No-peer-PractitionerRole-AnnAndrewsSpitalXOsteopathie](#)
- [mCSD-No-peer-PractitionerRole-HansMeierSpitalX](#)
- [mCSD-No-peer-PractitionerRole-RichardReynoldsSpitalX](#)

Please attach proof of the test for each step marked as [EVIDENCE].

Evaluation

The monitor shall check all queries and evaluate the responses to ensure compliance with the specifications

The validation report is provided by the server simulator through HTTP headers in the responses.

All responses HTTP code must be either 200 or 201.The response to your request must be **Success**.

For the update requests, the monitor needs to ccheck if the provided resources have been modified (See steps 210 to 230)

If further information is needed, the specifications are available at: <https://fhir.ch/ig/ch-epr-fhir/iti-130.html>

Test Participants

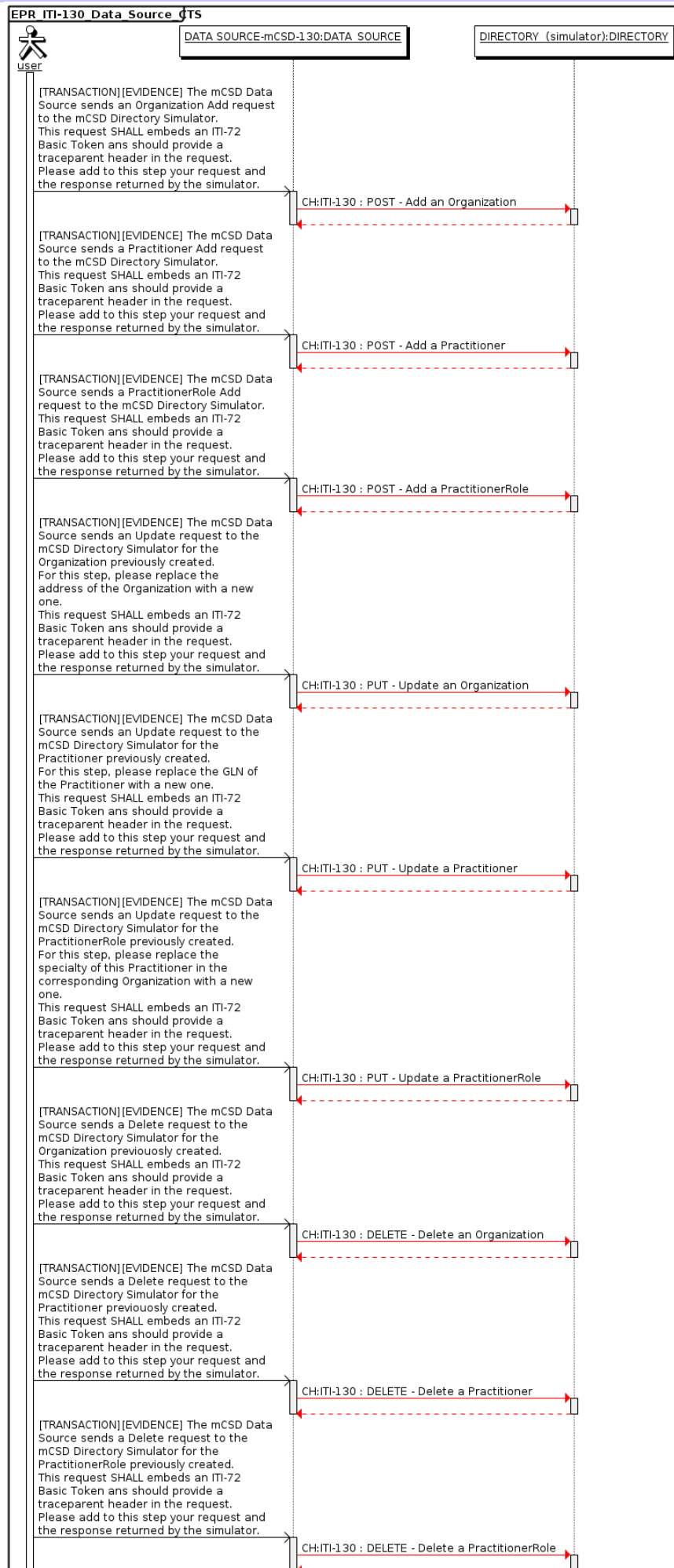
Role in test : DATA SOURCE-mCSD-130 (SUT)			Option : R	Nb of instances : 1
Actor	Profile	Option		
DATA_SOURCE	CH: mCSD	NONE		
Role in test : DIRECTORY (simulator) (Tool)			Option : R	Nb of instances : 1

Test Steps							
Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
110	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	POST - Add an Organization	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends an Organization Add request to the mCSD Directory Simulator. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
120	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	POST - Add a Practitioner	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends a Practitioner Add request to the mCSD Directory Simulator. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
130	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	POST - Add a PractitionerRole	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends a PractitionerRole Add request to the mCSD Directory Simulator. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
210	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	PUT - Update an Organization	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends an Update request to the mCSD Directory Simulator for the Organization previously created. For this step, please replace the address of the Organization with a new one. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
220	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	PUT - Update a Practitioner	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends an Update request to the mCSD Directory Simulator for the Practitioner previously created. For this step, please replace the GLN of the Practitioner with a new one. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
230	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	PUT - Update a PractitionerRole	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends an Update request to the mCSD Directory Simulator for the PractitionerRole previously created. For this step, please replace the specialty of this Practitioner in the corresponding Organization with a new one. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
310	DATA SOURCE-mCSD-130	DIRECTORY (simulator)	CH:ITI-130	DELETE - Delete an Organization	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends a Delete request to the mCSD Directory Simulator for the Organization previously created. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
320	DATA SOURCE- mCSD-130	DIRECTORY (simulator)	CH:ITI-130	DELETE - Delete a Practitioner	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends a Delete request to the mCSD Directory Simulator for the Practitioner previously created. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.
330	DATA SOURCE- mCSD-130	DIRECTORY (simulator)	CH:ITI-130	DELETE - Delete a PractitionerRole	Yes	Required	[TRANSACTION][EVIDENCE] The mCSD Data Source sends a Delete request to the mCSD Directory Simulator for the PractitionerRole previously created. This request SHALL embeds an ITI-72 Basic Token and should provide a traceparent header in the request. Please add to this step your request and the response returned by the simulator.

Sequence Diagram



Test case #14289 EPR_ITI-130_mCSD_Directory

Test Summary

Keyword : EPR_ITI-130_Directory_CTS
Name : EPR_ITI-130_mCSD_Directory
Version : 1.0
Author : vhofman
Date of last : 2026-07-15 15:31:28.058966 by vhofman

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

Short Description : This test case evaluates the Care Services Feed [ITI-130] transaction, which is used to add, update, and delete Care Services information from the Data Source Simulator to the Directory.

Test Description

This test case evaluates the Care Services Feed [ITI-130] transaction, which is used to add, update, and delete Care Services information from the Data Source Simulator to the Directory.

Simulation Portal will simulate the mCSD Data Source while the mCSD Directory, represented by the System Under Test (SUT), is the primary focus of this test..

The objective is to ensure that the Directory correctly accepts add, update, or delete requests to Care Services resources (Practitioner, PractitionerRole or Organization).

Special Instructions

A Directory shall support the JSON and the XML format..

The transaction SHALL be secured by Transport Layer Security (TLS) encryption and server authentication with server certificates. Transactions across communities SHALL use mTLS.

This national extension enforces authentication and authorization of access to the Directory using the IUA profile with basic access token.

Consequently the Add/Update/Delete Care Services [ITI-130] requests sent by the simulator embed the [ITI-72] transaction of the IUA profile.

Description

To execute this test:

1. Access the **Simulation Portal** and log in the application if not already done;
2. Find the sequence "**EPR mCSD ITI-130 Directory - Add Update and Delete an Organization**" (you can use the filters);
3. Click on the button "Run new sequence" on the right of this sequence; the complete view of the sequence is displayed;
4. Fill-in the field "Directory Base URL" with your endpoint;
5. Click on the "Start simulation" button;
6. Wait for the end of the simulation sequence run. When done, your Simulation status appears;
7. Open the simulation report, copy it to a file and add this file to the corresponding test step
8. Reproduce steps 2 to 7 with the sequence "**EPR mCSD ITI-130 Directory - Add Update and Delete a Practitioner**"
9. Reproduce steps 2 to 7 with the sequence "**EPR mCSD ITI-130 Directory - Add Update and Delete a PractitionerRole**"
10. Reproduce steps 2 to 7 with the sequence "**EPR mCSD ITI-130 Directory - Transaction Bundle**"

Please attach proof of the test for each step marked as [EVIDENCE].

Validation

The mCSD Data Source Simulator checks if the corresponding HTTP Code is returned.

You can find your Simulation report at the bottom of the simulation Portal in the header of the simulator response.

Evaluation

The monitor shall check, for all test steps, that

1. The Simulation report has been uploaded
2. All the Simulation report status are PASSED

If further information is needed, the specifications are available at: <https://fhir.ch/ig/ch-epr-fhir/iti-130.html>

Test Participants

Role in test : Data Source (Simulator) (Tool)

Option : R

Nb of instances : 1

Role in test : DIRECTORY ITI-90/130 (SUT)

Option : R

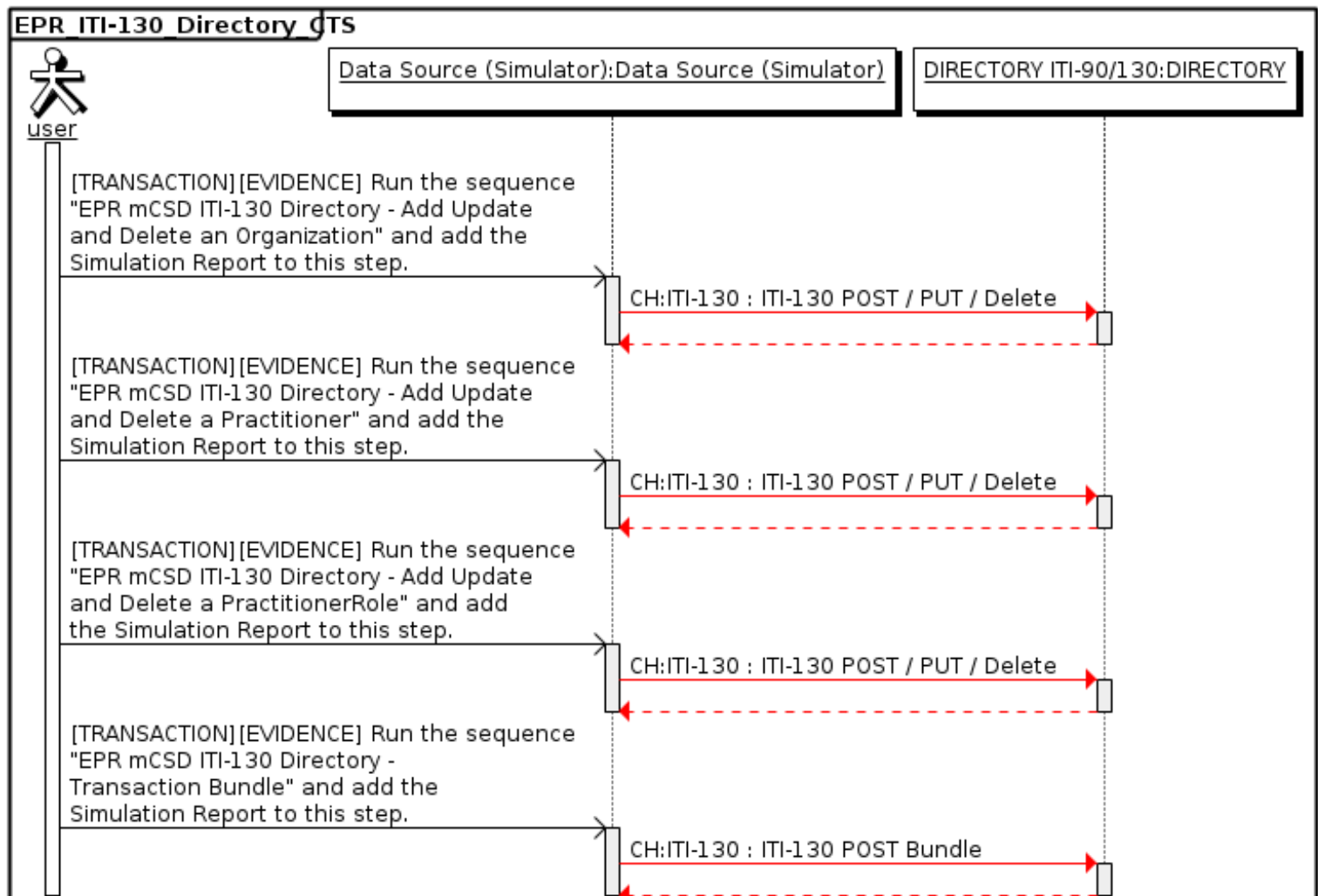
Nb of instances : 1

Actor	Profile	Option
DIRECTORY	CH: mCSD	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 POST / PUT / Delete	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Add Update and Delete an Organization" and add the Simulation Report to this step.
20	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 POST / PUT / Delete	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Add Update and Delete a Practitioner" and add the Simulation Report to this step.
30	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 POST / PUT / Delete	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Add Update and Delete a PractitionerRole" and add the Simulation Report to this step.
40	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 POST Bundle	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Transaction Bundle" and add the Simulation Report to this step.

Sequence Diagram



Test case #14290 EPR_ITI-130_Directory_Error

Test Summary

Keyword : EPR_ITI-130_Directory_Error_CTS
Name : EPR_ITI-130_Directory_Error
Version : 1.0
Author : vhofman
Date of last : 2026-07-15 15:31:41.168212 by vhofman
Type : conformity assessment
Peer Type : NO_PEER_TEST
Status : ready
Verified by : **Not verified**

Short Description : This test case evaluates the mCSD Directory to handle error cases and returns appropriate error codes due to wrong requests.

Test Description

This test case evaluates the mCSD Directory to handle error cases and returns appropriate error codes due to wrong requests..

Simulation Portal will simulate the mCSD Data Source while the mCSD Directory, represented by the System Under Test {SUT}, is the primary focus of this test..

Special Instructions

The transaction are secured by Transport Layer Security (TLS) encryption and server authentication with server certificates.

This national extension enforces authentication and authorization of access to the Directory using the IUA profile with basic access token (Except for the wrong request without the IUA token).

Description

To execute this test:

1. Access the **Simulation Portal** and log in the application if not already done;
2. Find the sequence "EPR mCSD ITI-130 Directory - Create PractitionerRole - Error Case" (you can use the filters);
3. Click on the button "Run new sequence" on the right of this sequence; the complete view of the sequence is displayed;
4. Fill-in the field "Directory Base URL" with your endpoint;
5. Click on the "Start simulation" button;
6. Wait for the end of the simulation sequence run. When done, your Simulation status appears;
7. Open the simulation report, copy it to a file and add this file to the corresponding test step
8. Reproduce steps 2 to 7 with the sequence "EPR mCSD ITI-130 Directory - Update PractitionerRole - Error Case"
9. Reproduce steps 2 to 7 with the sequence "EPR mCSD ITI-130 Directory - Transaction - Error Case"

Please attach proof of the test for each step marked as [EVIDENCE].

Validation

The mCSD Data Source Simulator checks if the corresponding HTTP Code is returned.

You can find your Simulation report at the bottom of the simulation Portal in the header of the simulator response.

Evaluation

The monitor shall check, for all test steps, that

1. The Simulation report has been uploaded
2. All the Simulation report status are PASSED

If further information is needed, the specifications are available at: <https://fhir.ch/ig/ch-epr-fhir/iti-130.html>

Test Participants

Role in test : Data Source (Simulator) (Tool)

Option : R

Nb of instances : 1

Role in test : DIRECTORY ITI-90/130 (SUT)

Option : R

Nb of instances : 1

Actor	Profile	Option
DIRECTORY	CH: mCSD	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 POST	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Create PractitionerRole - Error Case" and add the Simulation Report to this step.
20	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 PUT	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Update PractitionerRole - Error Case" and add the Simulation Report to this step.
30	Data Source (Simulator)	DIRECTORY ITI-90/130	CH:ITI-130	ITI-130 POST Bundle	Yes	Required	[TRANSACTION][EVIDENCE] Run the sequence "EPR mCSD ITI-130 Directory - Transaction - Error Case" and add the Simulation Report to this step.

Sequence Diagram

