Tests definitions

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Test case #13899 CHPDQv3_PDC_ITI-47

Test Summary

Keyword : CHPDQv3_PDC_ITI-47_CTS
Name : CHPDQv3_PDC_ITI-47
Version : 1.1
Author : vhofman
Date of last 2024-01-26 16:22:11.629373 by vhofman

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

Short Description : This test evaluates the capability of the system acting as a CH:PDQV3 Patient Demographics Consumer actor to send a valid query (ITI-47) to the PatientManager tool acting as a CH:PDQV3 Patient Demographics Supplier

Test Description

Special Instructions

This test is run against the Gazelle Patient Manager tool which will act as a PDQV3 Patient Demographics Supplier. The messages produced by your System Under Test will be validated by the Gazelle HL7 Validator tool (model-based validation).

Description

The purpose of this test is to check that your PDQV3 Consumer can send a PDQV3 query message (PRPA_IN201305UV02) which conforms to the specifications. The test assesses that your PDQV3 consumer can create query messages using various parameters.

The four first steps are optional and you are required to run the ones that ask for parameters your system supports.

Your PDQV3 Consumer shall correctly populate the otherIDsScopingOrganization parameter to request corresponding ids in domain CHPAM&1.3.6.1.4.1.12559.11.20.1&ISO.

As a first step, configure your system under test to interact with Patient Manager. The configuration details for the PDQV3 Patient Demographics Supplier are available under **PDQ* > Patient Demographics Supplier > HL7v3 Configuration.**

Then, execute the steps from the "Test steps" section of this test.

For each step, you are requested to provide the permanent link to the message exchanged with the simulator. Those are available from the menu **HL7 messages**. To facilitate your search, you can filter by SUT IP address in "Initiator" column. Once you have find your message,

1. Click on the play icon next to the request message type to trigger the validation of the message sent by your system. We expect the outcome of the validation to be PASSED.
2. Right-click on the magnifying glass icon (last column) and copy/paste the permanent link in the test step using the "Add link" feature.
3. Upload a screenshot of the result received by your system, demonstrating that your system correctly integrates the response from the simulator.

Evaluation

At least one of the four first steps (which are optional) shall have been run successfully.

The messages sent by the system under test have to be validated by the Gazelle HL7 Validator tool, the expected status is PASSED for all of them.

Test Participants

Role in test : CH_PDQv3_PDC (SUT) **Option :** R **Nb of instances :** 1

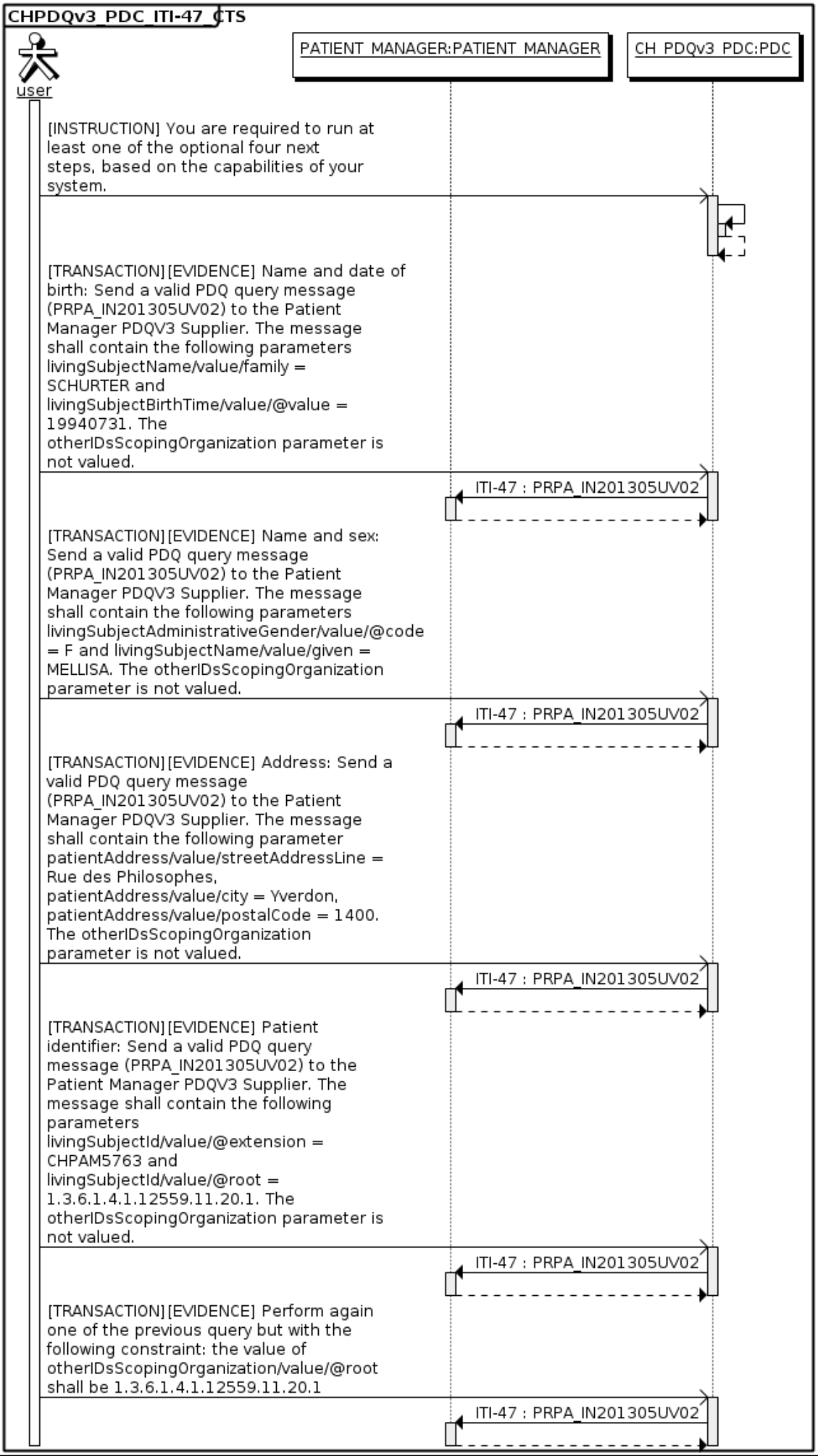
Actor	Profile	Option
PDC	CH:PDQV3	NONE

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

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
5	CH_PDQv3_PDC	CH_PDQv3_PDC		-	No	Required	
[INSTRUCTION] You are required to run at least one of the optional four next steps, based on the capabilities of your system.							
10	CH_PDQv3_PDC	PATIENT_MANAGER	ITI-47	PRPA_IN201305UV02	No	Optional	
[TRANSACTION][EVIDENCE] Name and date of birth: Send a valid PDQ query message (PRPA_IN201305UV02) to the Patient Manager PDQV3 Supplier. The message shall contain the following parameters livingSubjectName/value/family = SCHURTER and livingSubjectBirthTime/value/@value = 19940731. The otherIDsScopingOrganization parameter is not valued.							
20	CH_PDQv3_PDC	PATIENT_MANAGER	ITI-47	PRPA_IN201305UV02	No	Optional	
[TRANSACTION][EVIDENCE] Name and sex: Send a valid PDQ query message (PRPA_IN201305UV02) to the Patient Manager PDQV3 Supplier. The message shall contain the following parameters livingSubjectAdministrativeGender/value/@code = F and livingSubjectName/value/given = MELLISA. The otherIDsScopingOrganization parameter is not valued.							
30	CH_PDQv3_PDC	PATIENT_MANAGER	ITI-47	PRPA_IN201305UV02	No	Optional	
[TRANSACTION][EVIDENCE] Address: Send a valid PDQ query message (PRPA_IN201305UV02) to the Patient Manager PDQV3 Supplier. The message shall contain the following parameter patientAddress/value/streetAddressLine = Rue des Philosophes, patientAddress/value/city = Yverdon, patientAddress/value/postalCode = 1400. The otherIDsScopingOrganization parameter is not valued.							
40	CH_PDQv3_PDC	PATIENT_MANAGER	ITI-47	PRPA_IN201305UV02	No	Optional	
[TRANSACTION][EVIDENCE] Patient identifier: Send a valid PDQ query message (PRPA_IN201305UV02) to the Patient Manager PDQV3 Supplier. The message shall contain the following parameters livingSubjectId/value/@extension = CHPAM5763 and livingSubjectId/value/@root = 1.3.6.1.4.1.12559.11.20.1. The otherIDsScopingOrganization parameter is not valued.							
50	CH_PDQv3_PDC	PATIENT_MANAGER	ITI-47	PRPA_IN201305UV02	No	Optional	
[TRANSACTION][EVIDENCE] Perform again one of the previous query but with the following constraint: the value of otherIDsScopingOrganization/value/@root shall be 1.3.6.1.4.1.12559.11.20.1							

Sequence Diagram



Test case #13898 CHPDQv3_PDS_ITI-47_1

Test Summary

Keyword : CHPDQv3_PDS_ITI-47_1_CTS
Name : CHPDQv3_PDS_ITI-47_1
Version : 1.0
Author : vhofman
Date of last 2024-01-26 16:22:20.339965 by vhofman

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

Short Description : This test checks the ability of your system acting as a CH:PDQV3 Patient Demographic Supplier to answer to an exact match query (ITI-47) in a single domain

Test Description

Special Instructions

The following tests will be run against the Gazelle Patient Manager tool which will act as a PDQV3 Patient Demographics Consumer.

The messages produced by your System Under Test will be validating against the Gazelle HL7 Validator tool (model-based validation).

Pre-conditions:

The PDQV3 Supplier is configured to send and receive demographics in a single domain: CHPAM&1.3.6.1.4.1.12559.11.20.1&ISO

You must have run CHPIX_CHPDQ_SERVER_CONF test case before running this one.

Description

This test case covers the PDQV3 Query Case 1: The Patient Demographics Supplier finds (in the patient information source associated with Receiver.Device in the query transmission wrapper) at least one patient record matching the criteria sent in the query parameters. There were no OtherIDsScopingOrganization parameters in the query.

The purpose of this test is to verify that your Patient Demographics Supplier supports the multiple query parameters.

The following queries are tested:

- Query on the patient first and last name
- Query on the patient's identifier
- Query on the patient's name and the date of birth
- Query on the patient's name and the administrative sex
- Query on the patient's the address (street, city, and zip code)

To execute a query, go to PDQ* > Patient Demographics Consumer > [ITI-47] Patient Demographics Query HL7v3 and

1. Select your system under test in the dropdown list
2. Select the appropriate entry in the "pre-defined query" drop-down list
3. Click on "Send message" button

For each step, you are requested to provide the permanent link to the message exchanged with the simulator. Once the simulator has received the response from your system, a report is displayed at the bottom of the page. Scroll down to this section,

1. Click on the play icon next to the response message type to trigger the validation of the message sent by your system. We expect the outcome of the validation to be PASSED.
2. Right-click on the magnifying glass icon (last column) and copy/paste the permanent link in the test step using the "Add link" feature.

Evaluation

The messages returned by your system under test will be validating by the Gazelle HL7 Validator. All the messages issued by your system shall have the PASSED validation status.

In addition, the monitor will perform the following checks:

- In each PRPA_IN201306UV02 message, AA (application accept) is returned in Acknowledgement.typeCode (transmission wrapper) and OK (data found, no errors) is returned in QueryAck.queryResponseCode (control act wrapper)

Test Participants

Role in test : CH_PDQv3_PDS (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
PDS	CH:PDQV3	NONE

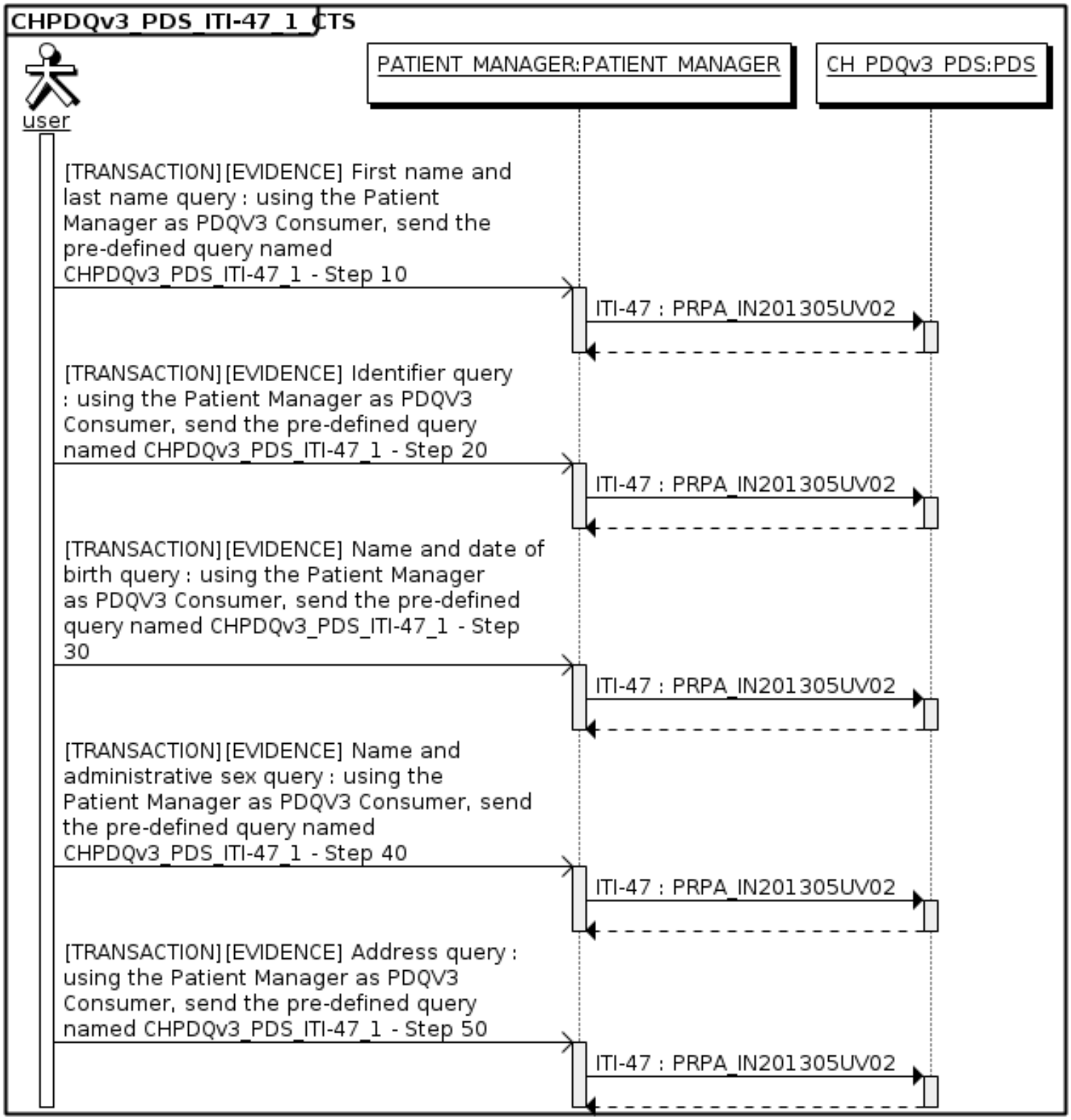
Test Participants

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

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
10	PATIENT_MANAGER	CH_PDQv3_PDS	ITI-47	PRPA_IN201305U V02	No	Required	
[TRANSACTION][EVIDENCE] First name and last name query : using the Patient Manager as PDQV3 Consumer, send the pre-defined query named CHPDQv3_PDS_ITI-47_1 - Step 10							
20	PATIENT_MANAGER	CH_PDQv3_PDS	ITI-47	PRPA_IN201305U V02	No	Required	
[TRANSACTION][EVIDENCE] Identifier query : using the Patient Manager as PDQV3 Consumer, send the pre-defined query named CHPDQv3_PDS_ITI-47_1 - Step 20							
30	PATIENT_MANAGER	CH_PDQv3_PDS	ITI-47	PRPA_IN201305U V02	No	Required	
[TRANSACTION][EVIDENCE] Name and date of birth query : using the Patient Manager as PDQV3 Consumer, send the pre-defined query named CHPDQv3_PDS_ITI-47_1 - Step 30							
40	PATIENT_MANAGER	CH_PDQv3_PDS	ITI-47	PRPA_IN201305U V02	No	Required	
[TRANSACTION][EVIDENCE] Name and administrative sex query : using the Patient Manager as PDQV3 Consumer, send the pre-defined query named CHPDQv3_PDS_ITI-47_1 - Step 40							
50	PATIENT_MANAGER	CH_PDQv3_PDS	ITI-47	PRPA_IN201305U V02	No	Required	
[TRANSACTION][EVIDENCE] Address query : using the Patient Manager as PDQV3 Consumer, send the pre-defined query named CHPDQv3_PDS_ITI-47_1 - Step 50							

Sequence Diagram



Test case #13897 CHPDQv3_PDS_ITI-47_2

Test Summary

Keyword : CHPDQv3_PDS_ITI-47_2_CTS
Name : CHPDQv3_PDS_ITI-47_2
Version : 1.0
Author : vhofman
Date of last 2024-01-26 16:22:29.682284 by vhofman

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

Short Description : Test test checks the ability of your system acting as CH:PDQV3 Patient Demographic Supplier to answer to a query (ITI-47) in a single domain

Test Description

Special Instructions

The following tests will be run against the Gazelle Patient Manager tool which will acts as a PDQ Patient Demographics Consumer.

The messages produced by your System Under Test will be validating against HL7 message profiles by the Gazelle HL7 Validator tool.

Pre-conditions:

You must have run CHPIX_CHPDQ_SERVER_CONF test case before running this one.

Description

This test case covers the PDQV3 Query Case 2: The Patient Demographics Supplier finds (in the patient information source associated with Receiver.Device in the query transmission wrapper) at least one patient record matching the criteria sent in the query parameters. One or more OtherIDsScopingOrganization parameters are present in the query; the Supplier recognizes all the requested domains.

The purpose of this test is to verify that your Patient Demographics Supplier supports the multiple query parameters and the OtherIDsScopingOrganization parameter.

The following query is tested: Query for the patient name and the administrative sex. In this query, the OtherIDsScopingOrganization parameter is populated and your system is expected to return patient identifiers only for this domain.

To execute the query, go to PDQ* > Patient Demographics Consumer > [ITI-47] Patient Demographics Query HL7v3 and

1. Select your system under test in the dropdown list
2. Select the appropriate entry in the "pre-defined query" drop-down list
3. Click on "Send message" button

For each step, you are requested to provide the permanent link to the message exchanged with the simulator. Once the simulator has received the response from your system, a report is displayed at the bottom of the page. Scroll down to this section, ,

1. Click on the play icon next to the response message type to trigger the validation of the message sent by your system. We expect the outcome of the validation to be PASSED.
2. Right-click on the magnifying glass icon (last column) and copy/paste the permanent link in the test step using the "Add link" feature.

Evaluation

The messages returned by your system under test will be validating by the Gazelle HL7 Validator. All the messages issued by your system shall have the PASSED validation status.

In addition, the monitor will perform the following checks:

- In each PRPA_IN201306UV02 message, AA (application accept) is returned in Acknowledgement.typeCode (transmission wrapper). OK (data found, no errors) is returned in QueryAck.queryResponseCode (control act wrapper)
- Only one <id> element is value is present in patient (the patient identifier from CHPAM domain)

Test Participants

Role in test : CH_PDQv3_PDS (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
PDS	CH:PDQV3	NONE

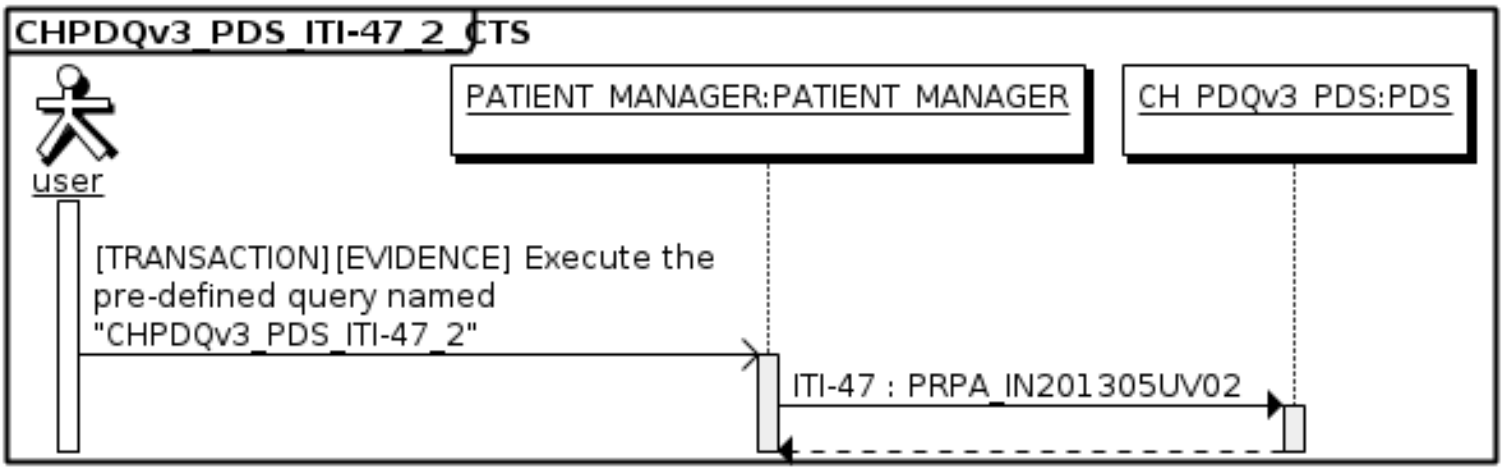
Role in test : PATIENT_MANAGER (Tool) **Option :** R **Nb of instances :** 1

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
2	PATIENT_ MANAGER	CH_PDQv3_ PDS	ITI-47	PRPA_IN201305U V02	No	Required	

[TRANSACTION][EVIDENCE] Execute the pre-defined query named "CHPDQv3_PDS_ITI-47_2"

Sequence Diagram



Test case #13896 CHPIX_CHPDQ_SERVER_CONF

Test Summary

Keyword : CHPIX_CHPDQ_SERVER_CONF_CTS
Type : conformity assessment
Name : CHPIX_CHPDQ_SERVER_CONF
Peer Type : NO_PEER_TEST
Version : 1.0
Status : ready
Author : vhofman
Verified by : Not verified
Date of last 2024-01-26 16:22:56.3833 by vhofman

Short Description : This is a preliminary test for CH:PDQv3 suppliers and CH:PIXV3 managers. The goal is to populate the system under test with a well-known set of patient data.

Test Description

Special Instructions

PIX Managers and PDQ Suppliers run only **one** instance of this test. The purpose of this test is to make sure your system is filled with a set of well-known patients which are going to be used in the next steps for this testing session.

Load patient demographics provided in advance by the Patient Manager.

1. Log into the tool using your Gazelle credentials.
2. Create a new entry in the list of HL7v3 responders (**SUT Configurations --> HL7v3 responders**). As configuration name, use your system's keyword prefixed by PDQPDS_.
3. If your system only supports a sub set of the affinity domains used by the tool to identify the patients, select the assigning authorities for which your system will receive identifiers under **SUT Configurations --> SUT's assigning authorities**
4. These demographics will be provided to you in Patient Manager under menu ***Connectathon-->Patient Demographics***
5. Click on Send selected patients to SUT's in the header of the **Actions** column
6. Select your SUT and send the messages

Evaluation

The monitor shall check that your database is populated and that your system's configuration is entered into the Gazelle Patient Manager tool (pay attention to IP address and port to make sure that the contacting system is the one we are testing).

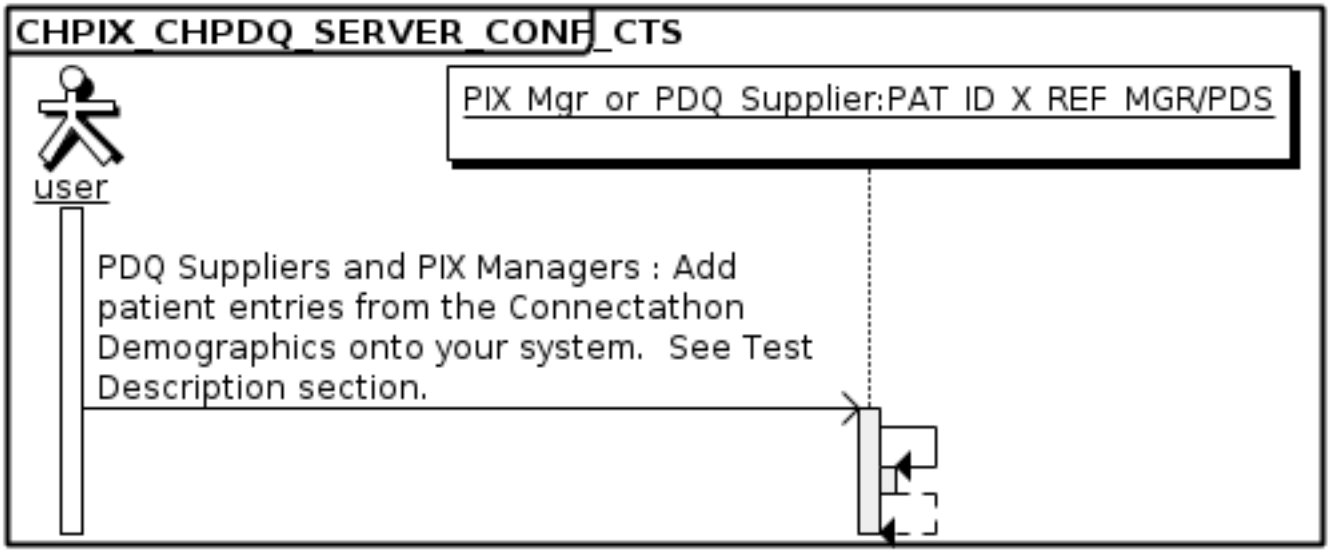
Test Participants

Role in test : PIX_Mgr_or_PDQ_Supplier (SUT) **Option :** R **Nb of instances :** 1

Actor	Profile	Option
PDS	PDQ	NONE
PAT_ID_X_REF_MGR	PIX	NONE
PDS	PDQV3	NONE
PAT_ID_X_REF_MGR	PIXV3	NONE
PAT_ID_X_REF_MGR	CH:PIXV3	NONE
PDS	CH:PDQV3	NONE

Test Steps

Index	Initiator	Responder	Transaction	Message Type	Secured ?	Option	Description
30	PIX_Mgr_or_PDQ_Supplier	PIX_Mgr_or_PDQ_Supplier		--	No	Required	

PDQ Suppliers and PIX Managers : Add patient entries from the Connectathon Demographics onto your system. See Test Description section.

Sequence Diagram