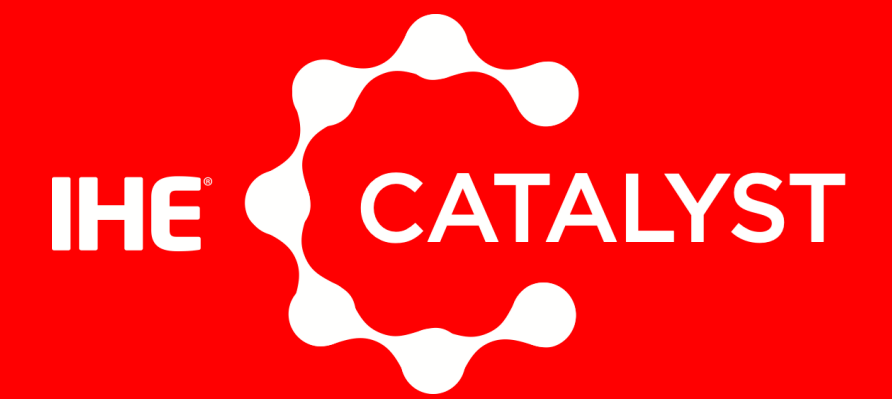


Digital Health Projectathon 2025 Pre-Testing Opening

***Pre-TEST webinar
01/07/2025***

***Angelina Gotzsche-Larsen
IHE-Catalyst***

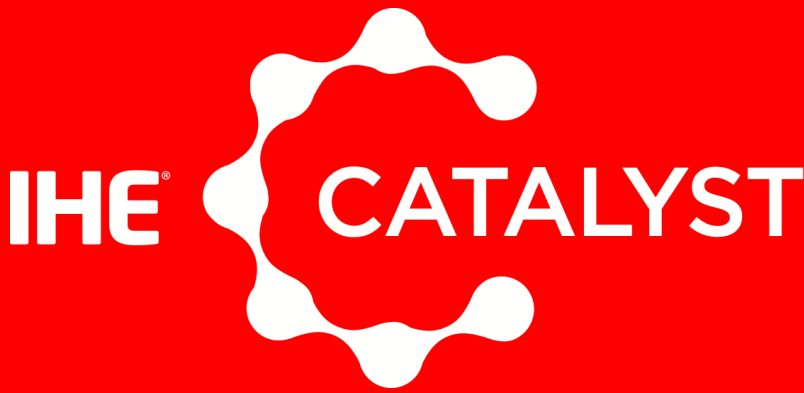
Agenda



- Projectathon milestones and calendar
- Projectathon phase
- Pre-testing process
- Projectathon – Testability
- Demo
- Pre-testing Phase
- Additional information

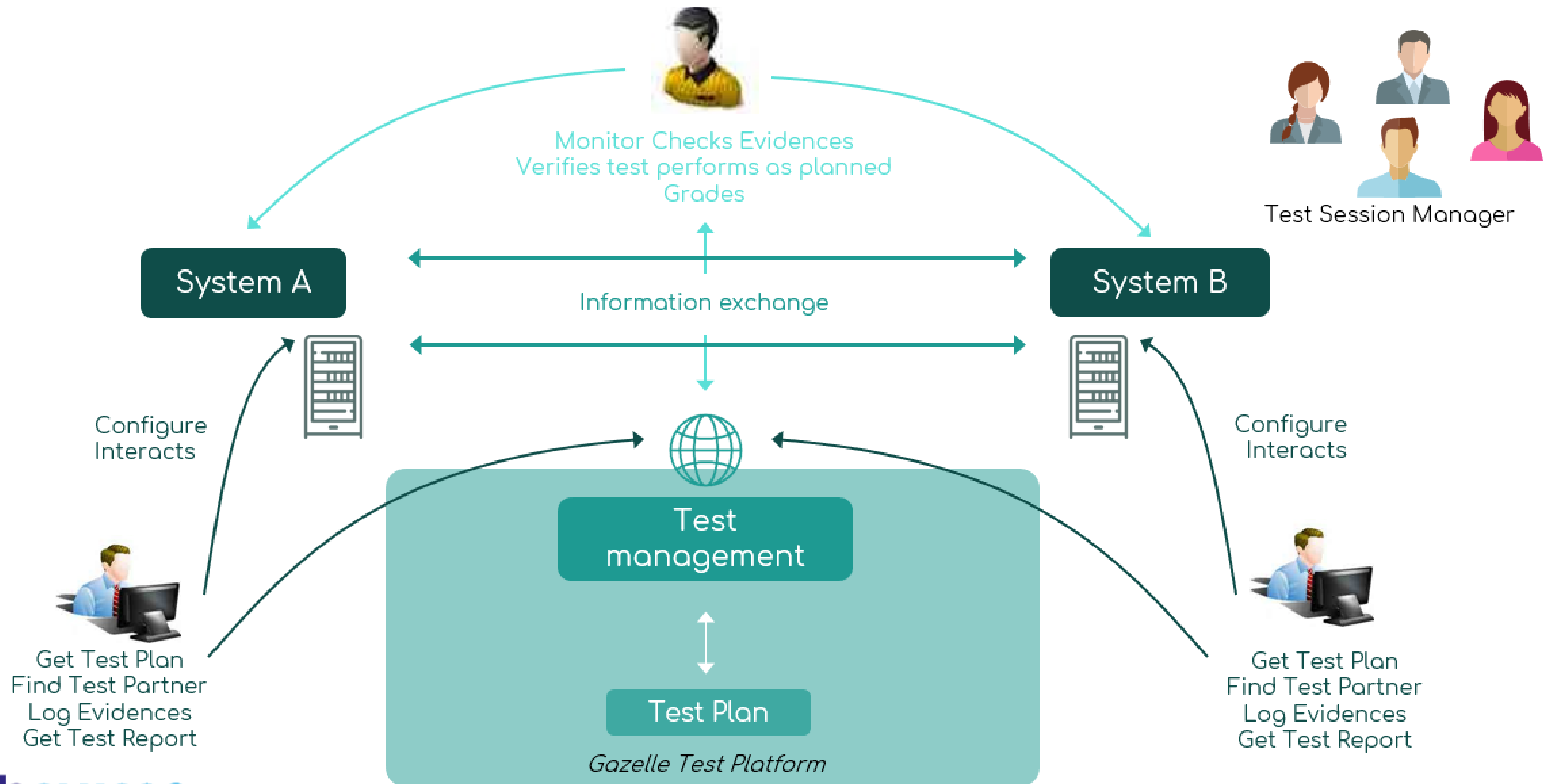


Projectathon milestones and calendar

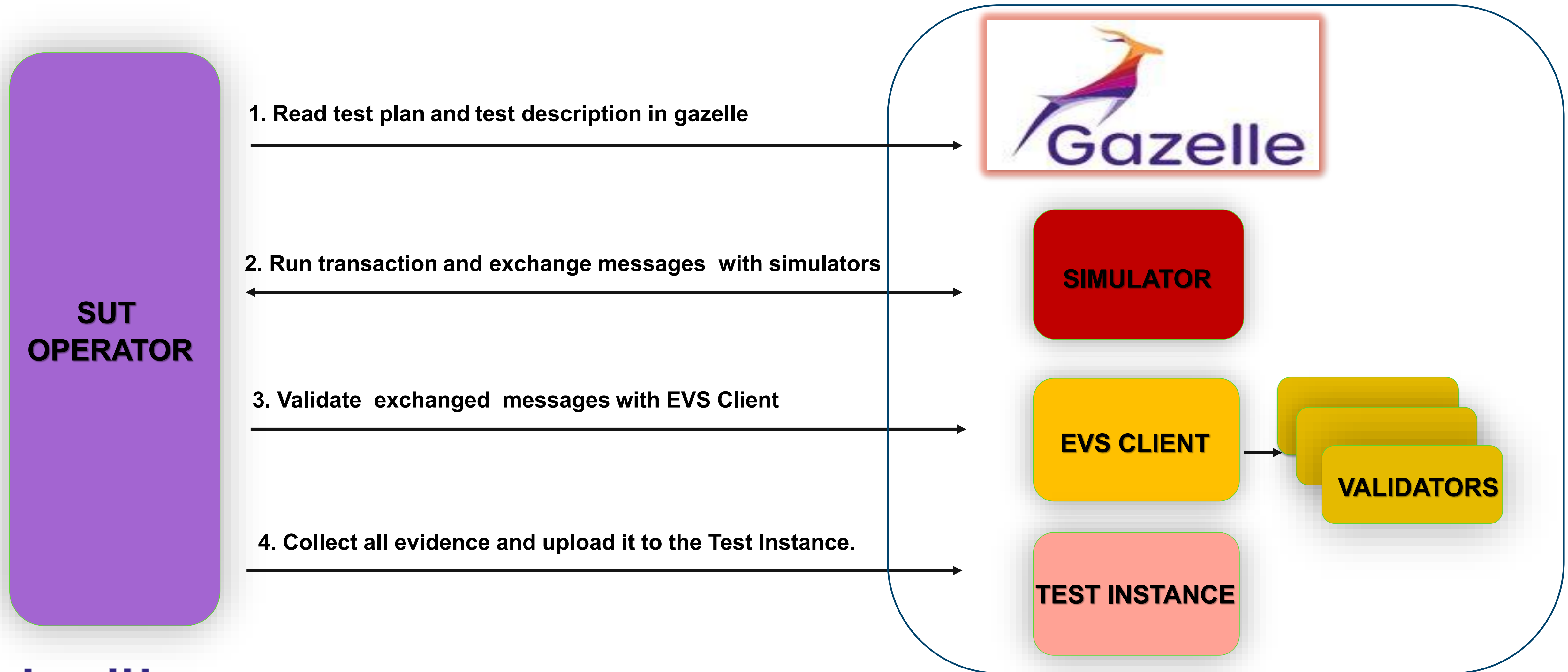


Date	Description
02/06/2025 - 30/06/2025	Registration period (extended until July 11th)
03/06/2025	Webinar registration opening
19/06/2025	Webinar registration questions
01/07/2025	Webinar pre-Projectathon testing
01/07/2025 - 05/09/2025	pre-Projectathon testing period
31/07/2025	Deadline for the payment of Projectathon fees
15/09/2025 - 19/09/2025	Projectathon in BERN

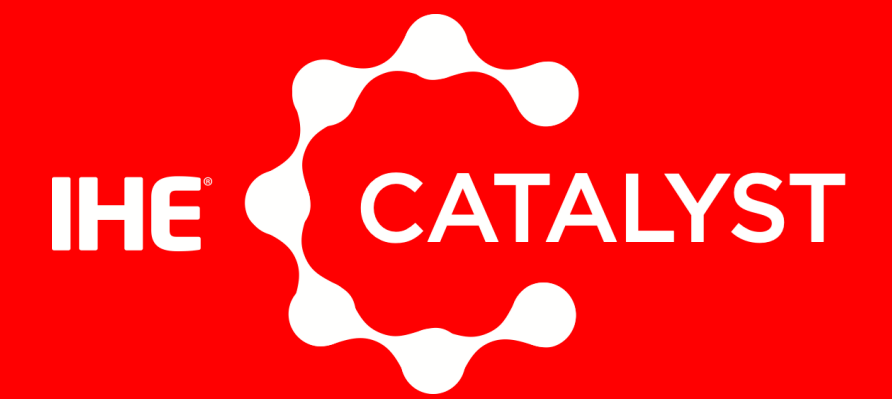
Projectathon phase



Pre-testing process

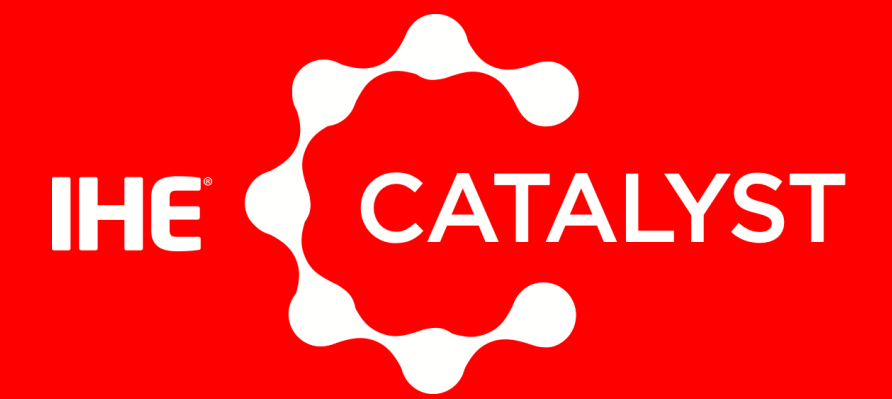


EPR Projectathon – Testability



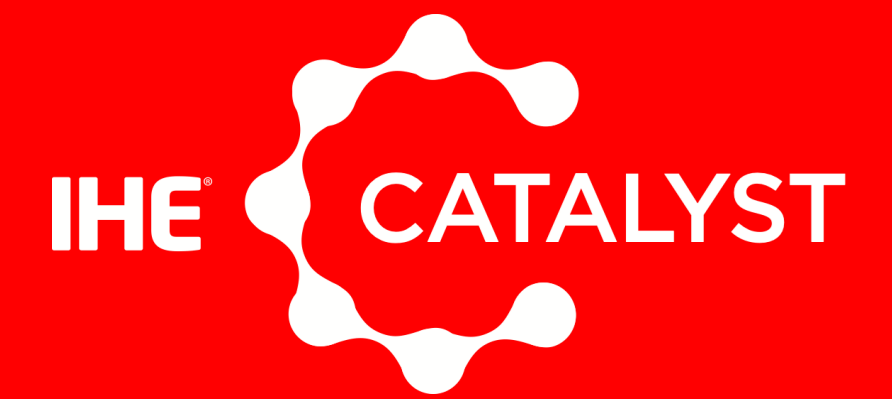
Projectathon testable profiles	Pre-PAT tests with gazelle tools	Validators
XDS	XD* Client (Client) XDS Toolkit (Server)	EVSCClient
PDQv3	Patient Manager (Client, Server)	EVSCClient
PIXv3	Patient Manager (Client, Server)	EVSCClient
XDM	NA	EVSCClient
HPD	HPD Simulator (Client, Server)	EVSCClient
RMU/XDS-MU	GWT (Client) XDS Tools (Server)	EVSCClient
SVS	SVS Simulator (Client, Server)	EVSCClient
XCA	GWT (Client) XDS Tools (Server)	EVSCClient
XCA-I	GWT (Client) XDS Tools (Server)	EVSCClient
XDS-I	XD* Client (Simu client – Swiss context) XDS Tools Simu (Server) DCM4CHEE (Server)	EVSCClient

EPR Projectathon – Testability



Projectathon testable profiles	Pre-PAT tests with gazelle tools	Validators
CT	Test Cases	NO
XCPD	Patient Manager (Client, Server)	EVSCClient
XUA	GWT (Client) Gazelle Security Suite (Server)	EVSCClient
CH:ADR	GWT (Client) ADR Simulator (Server)	EVSCClient
CH:ATC	GWT (Client) ATC Patient ARR (Server)	EVSCClient
CH:CPI	HPD Simulator (Client, Server)	EVSCClient
CH:UPI	UPI Simulator (Server)	EVSCClient
AGOV	NO	NO
ATNA	Gazelle Security Suite (Server)	EVSCClient
CH:PPQ	PPQ simulator (Server) GWT (Client)	EVSCClient
Exchange Formats Profiles	Test cases	EVSCClient

EPR Projectathon – Testability



Testable FHIR profiles

Projectathon testable profiles	Pre-PAT tests with gazelle tools	Validators
MHD ITI-65/67/68	GWT (Client – Swiss context) MHD Simu (Server – Swiss context)	EVSCClient
IUA	IUA Simulator (Server)	NO
mCSD ITI-90	GWT (Client – Swiss context) mCSD Simu (Server – Swiss context)	EVSCClient
PDQm ITI-119	NO	EVSCClient
CH:PPQm	GWT (Client – Swiss context, Beta version)	EVSCClient
PIXm	GWT (Client – Swiss context) PIXm Simu (Server – Swiss context) ITI-83 & ITI-104	EVSCClient
CH:ELM	CH:ELM (Server)	EVSCClient
ATC	ATC Patient ARR (Server) GWT (Client)	EVSCClient
RESTful ATNA	GWT (Client) RESTful ATNA Simulator (Server)	EVSCClient

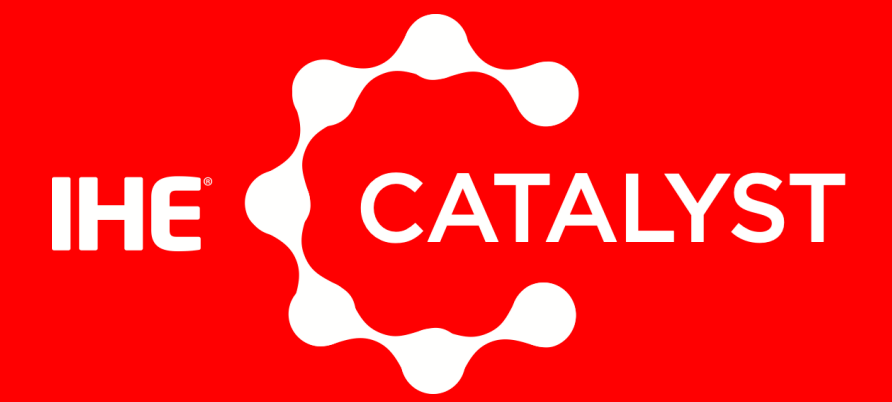
- Prerequisite
 - System registration and acceptance
 - If you have sent your contract, to IHE Services, your system has been accepted in Gazelle, which allows you to see the test plan in the “CAT” page
 - Declare your system configuration
 - Hosts
 - Ports and usage
 - Validate your configuration (this allows other participants to see it)

- Update your certificates (if necessary)
 - Request a certificate in GSS PKI:
 - <https://ehealthsuisse.ihe-europe.net/gss/request/withoutcsr.seam>
 - Add the CA to your truststore
 - <https://ehealthsuisse.ihe-europe.net/gss/certificate/view.seam?id=22>

Alert Information:

- The custom eHealthSuisse certificate authority (CA) has been generated in Gazelle Security Suite (GSS) with a 2048 bits encoded key.
- You can find it here : <https://ehealthsuisse.ihe-europe.net/gss/certificate/view.seam?id=333&conversationId=120>

Pre-testing Phase



Gazelle: <https://ehealthsuisse.ihe-europe.net/gazelle/home.seam>

- Declare your system configuration

Gazelle - Digital Health Projectathon-2025 Bern

Home Specifications ▾ Registration Preparation ▾ Testing ▾ Evaluation Administration ▾ Search... Join another sess

Configurations

Select a system System TEST 1.1/CCC_AYM

Network configurations for AYM - Anon

- Network configuration
- AYM : Network interfaces**
- SUT's network interfaces
- Digital certificates
- OID registry
- Preparatory tests

Host name ▲	Alias ▲	IP ▲	Comment
aym3		192.168.1.1	
aym5		192.168.1.1	
aym6	TEST	192.168.1.1	Not used by any system

○ Hosts and Ports and usage

Gazelle - Digital Health Projectathon-2025 Bern

Home

Specifications

Registration

Preparation

Testing

Evaluation

Administration

Search...

Join another session

Anonym Company Anonym

Configurations

Select a system

System TEST 1.1/CCC_AYM_0

Network configurations for AYM - Anonym4

Add a network config.

Host name	Alias	IP	Comment	Action
aym3		192.168.1.1		
aym5		192.168.1.1		

Results per page : 20

System configurations

Configuration edition

AYM

Host name

Alias

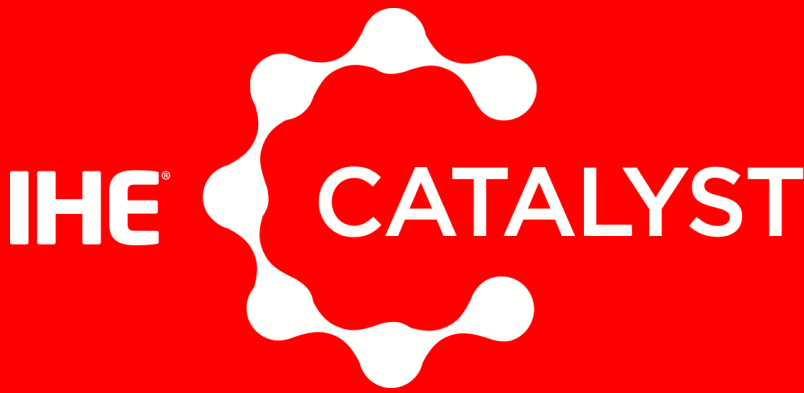
IP Address

Comment

Save

Cancel

Pre-testing Phase



- Validate your configuration but just before PAT event (this allows other participants to see it)

Gazelle - Digital Health Projectathon-2025 Bern

Home Specifications Registration Preparation Testing Evaluation Administration Search... Join another session

Configurations

Search Criteria

Organization Keyword Actor Type is Secured ?

Network configuration
AYM : Network interfaces
SUT's network interfaces
Digital certificates
OID registry
Preparatory tests

URL for downloading configurations as CSV
Export as Excel file

Add a config. Generate configs for selected organization...

Gazelle - Digital Health Projectathon-2025 Bern

Home Specifications Registration Preparation Testing Evaluation Administration Search... Join another session Anonym Company Anonym

Configurations

Select a system System TEST 1.1/CCC_AYM_0

Network configurations for AYM - Anonym4

Add a network config.

Host name	Alias	IP	Comment	Action
aym3		192.168.1.1		
aym5		192.168.1.1		

Results per page : 20

System configurations

Add a config. Generate configurations Refresh

Type Actor

Export as Excel file

Red port between brackets is the 'proxy port'. Not approved configurations cannot be used by Gazelle Proxy, approve your configuration to access the Proxy port.

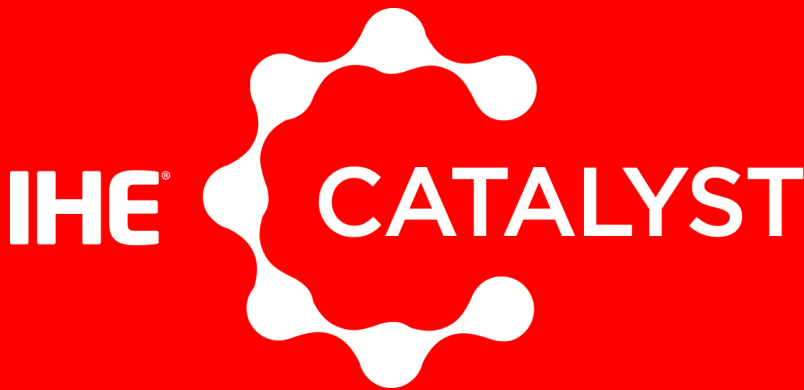
Table	Type	Actor	Host name	IP	Port	is Secured ?	Details 1	Details 2	Details 3	Approved	Action
Webservice	AGOV_APP - AGOV Application		aym5	192.168.1.1	90		Authenticate_User.client	http://aym5:90/http://aym1:90/test	HTTP rewrite enabled	yes	
HL7 V2 Responder	DOC_REGISTRY - Document Registry		aym3	192.168.1.1	4043		CCC_AYM_0 / AYM		AYCC	no	
HL7 V2 Responder	DOC_REGISTRY - Document Registry		aym3	192.168.1.1	2762		CCC_AYM_0 / AYM		AYCC	no	
Webservice	DOC_REGISTRY - Document Registry		aym3	192.168.1.1	80		ITI-18:Stored Query:sq b	http://aym3/your_url	HTTP rewrite disabled	no	

Pre-testing Phase

- Pre-testing
 - Go to the home page of the Gazelle test Management tool
 - Your systems registered for the event will be listed here
 - Click on the button « List preparatory Tests »

The screenshot displays the Gazelle - Digital Health Projectathon-2025 Bern interface. At the top, a green navigation bar contains links: Home (highlighted with a red box), Specifications, Registration, Preparation, Testing, Evaluation, and Administration. A search bar and a 'Join another session' button are also present. Below the navigation bar, a timeline shows four phases: Registration (Until 11 July 2025), Preparation (Before 15 September 2025), Testing (15 September 2025 To 19 September 2025), and Evaluation (After 19 September 2025). The Preparation phase is currently active. Below the timeline, three main sections are visible: 1. 'Preparatory tests' with a flask icon, stating 'Preparatory tests are available for you to prepare yourself and your systems under test for the testing.' and a green button labeled 'list preparatory tests' (indicated by a red arrow). 2. 'SUTs' network configuration' with a network icon, stating 'Share the network configuration of your systems under tests', showing 'CCC_AYM_0' with a progress bar from 1 to 9, and stating '2 host(s) are assigned to your organisation. 0 of them are waiting for an IP address to be assigned'. It includes buttons for 'Network details' and 'SUT network interfaces'. 3. 'You and your test' with a briefcase icon, stating 'Your organization has 1 system under test accepted' and '0 attendees are registered to the event', with a green button labeled 'Your registration'.

Pre-testing Phase



- All the pre-tests for the actors you registered are listed

Test Execution

Organization

Domain

Transaction

System under test

Profile

preparatory

Testing Depth

Actor

Status

Profile Option

✖

↺

💾

Sort by

System

Expand all

GVT-SERVICES_BIT_BERN_2024

ATNA Secure Application (None)

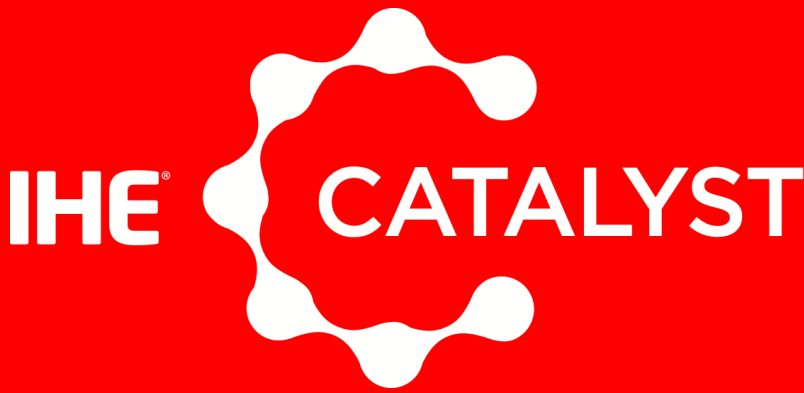
Thorough

Progress

13

Test case(s)	Action	Test type	Optionality	Target	Partners	Run(s)
ATNA_SA-SN_ITI-20_PAT	<div><div>i</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	
ATNA_SA-SN_ITI19_Error_Cases_PAT	<div><div>i</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	
ATNA_SA-SN_Questionnaire_PAT	<div><div>i</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	

Pre-testing Phase



- Start the test by clicking on the play button
- Perform your test

Test Execution

Organization

Domain

Transaction

System under test

(2) CH:CPI - Community Portal Index

preparatory

Testing Depth

Actor

Status

Profile Option

✖

↺

💾

Sort by

System

Expand all

Collapse all

2ND_SYSTEM_AYM_1

CH:CPI Community Portal Index Provider (None)

Thorough

Progress

8

Test case(s)	Action	Test type	Optionality	Target	Partners	Run(s)
CHCPI_CONSUMER_CHCIDD_1_PAT	<div><div>📘</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	40199 ▶ ⚠
CHCPI_CONSUMER_CHCIQ_1_PAT	<div><div>📘</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	

2ND_SYSTEM_AYM_1

CH:CPI Community Portal Index Consumer (None)

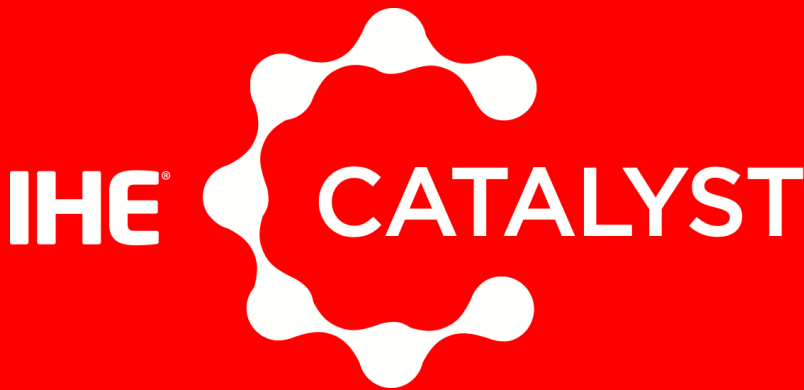
Thorough

Progress

8

Test case(s)	Action	Test type	Optionality	Target	Partners	Run(s)
CHCPI_CONSUMER_CHCIDD_1_PAT	<div><div>📘</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	40199 ▶ ⚠
CHCPI_CONSUMER_CHCIQ_1_PAT	<div><div>📘</div><div>▶</div></div>	preparatory	Required	0 / 1 run(s)	No-peer test	

Pre-testing Phase



Start test instance

CHCPI_CONSUMER_CHCIDD_1_PAT Configuration

Role	Systems					
	Organization Name	System keyword	Integration profile	Actor	Table	Action
<div><div>✓</div><div>CPI_CONSUMER [1,1] ⓘ</div></div>						
	AYM	2ND_SYSTEM_AYM_1	CH:CPI	CPI_Consumer		<div>🗑️</div>
<div>1 Participants</div>						
<div><div>✓</div><div>CPI_PROVIDER [0,1] ⓘ</div></div>						
	AYM	2ND_SYSTEM_AYM_1	CH:CPI	CPI_Provider		
<div>1 Participants</div>						
<div><div>⚠️</div><div>You have selected partners from the same company or a system is selected more than once for different roles. Make sure this is intended.</div></div>						
						<div><div>➡️</div><div>▶️</div></div>

Upload your proofs by clicking on the upload a file button a file or add Url button

TI-40205

Running

Test CHCPI_CONSUMER_CHCIDD_1_PAT

Test Instance Meta Data

Description

Test Participants

Test Instance Steps

Files

Chat Room

Report an issue about this test

validation.

Step	Trans.	Trans. - Message Type	Opt.	Sending Actor	Receiving Actor	Status	Validation Status
10	CH:CIDD	- downloadRequest	R	2ND_SYSTEM_AYM_1 - CPI_Consumer	2ND_SYSTEM_AYM_1 - CPI_Provider		
<div>Desc: Step 10 :[TRANSACTION] Trigger an event that initiates a CH:CIDD request. [EVIDENCE] Note down the timestamp of the request, the IP and host of your system as well as the parameters which have been used in the query. It will allow the monitor to extract the relevant message from the logs.</div> <div>Logs: No comment, file or URL</div> <div><div>+</div><div>Upload a file (click or drop)</div></div> <div><div>+</div><div>Add URL</div></div>							<div>✕</div> <div>✓</div> <div>▶▶</div>
20	CH:CIDD	- downloadRequest	R	2ND_SYSTEM_AYM_1 - CPI_Consumer	2ND_SYSTEM_AYM_1 - CPI_Provider		
<div>Desc: [TRANSACTION] Trigger an event that initiates a CH:CIDD request. [EVIDENCE] Note down the timestamp of the request, the IP and host of your system as well as the parameters which have been used in the query. It will allow the monitor to extract the relevant message from the logs.</div> <div>Logs: No comment, file or URL</div> <div><div>+</div><div>Upload a file (click or drop)</div></div> <div><div>+</div><div>Proxy messages</div></div>							<div>✕</div> <div>✓</div> <div>▶▶</div>
30	- none		R	2ND_SYSTEM_AYM_1 - CPI_Consumer	2ND_SYSTEM_AYM_1 - CPI_Consumer		
<div>Desc: [EVIDENCE] Once the monitor has upload your request message (received from BIT), send it to EVSClient for validation.</div> <div>Logs: No comment, file or URL</div> <div><div>+</div><div>Upload a file (click or drop)</div></div> <div><div>+</div><div>Proxy messages</div></div>							<div>✕</div> <div>✓</div> <div>▶▶</div>
Step	Trans.		Opt.	Sending Actor	Receiving Actor	Status	Validation Status

Test current status : Running

Files

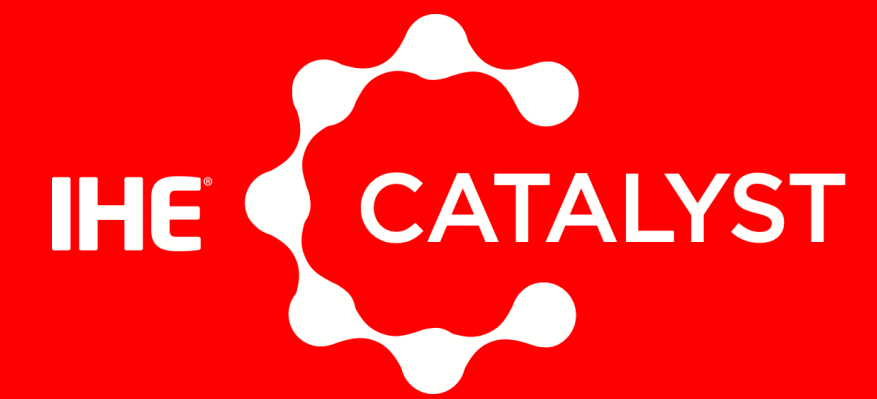
+

Upload a file (click or drop)

Back to top

https://ehealthsuisse.ihe-europe.net/gazelle/testing/test/test/TestInstance.seam?id=40205&cid=137093#

Pre-testing Phase



- Return log file(s)” button
- Once everything is done, change the test status to “**verified by vendor**”.

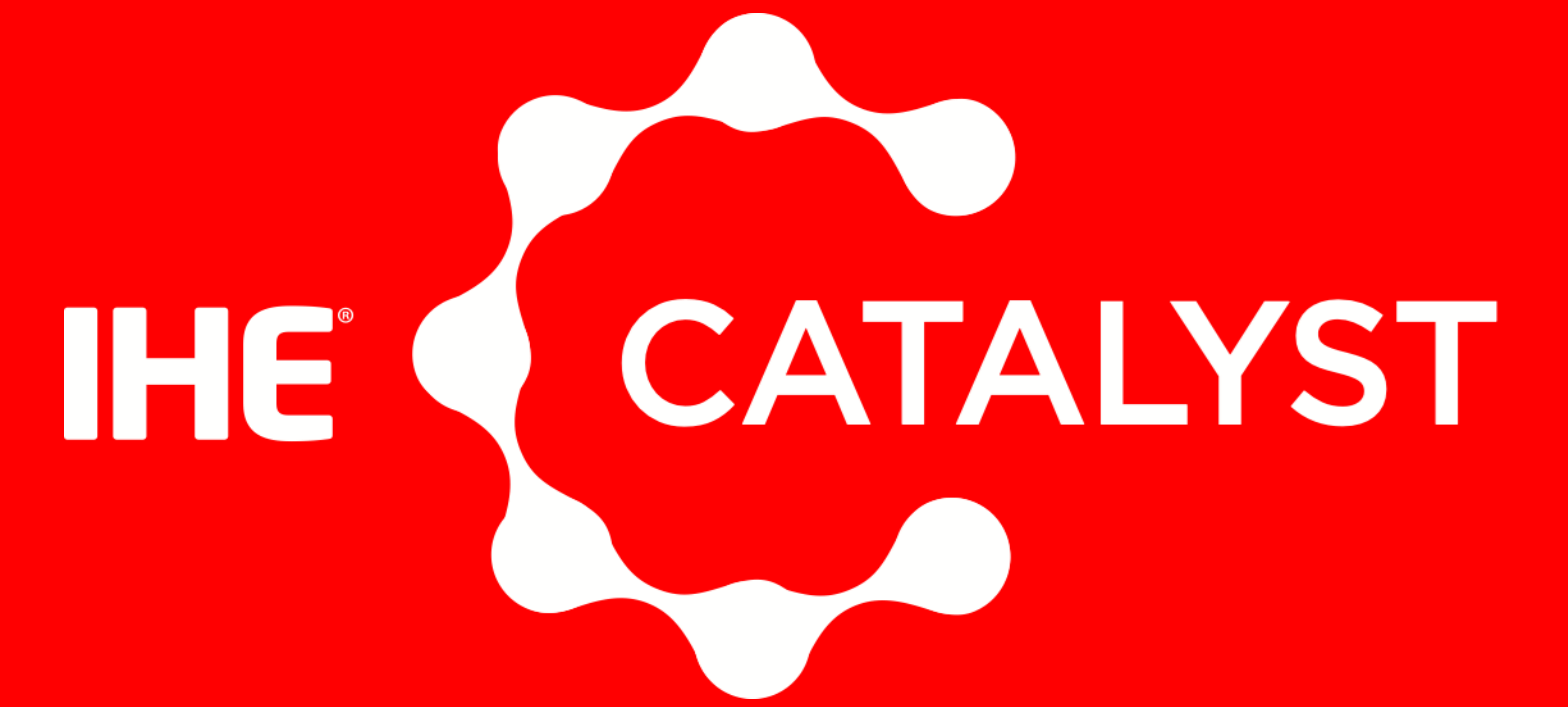
The screenshot shows the Gazelle web application interface. At the top is a green navigation bar with links for Home, Specifications, Registration, Preparation, Testing, Evaluation, and Administration, along with a search bar and a user profile dropdown. The main content area displays details for test instance TI-40402. On the left, a sidebar lists navigation options: Test Instance Meta Data, Description, Test Participants, Test Instance Steps, Files, Chat Room, and a 'Report an issue about this test' button. A status dropdown menu is open, showing options: Running (selected), Paused, To be verified, Aborted, Verified by vendor, and Completed with errors. The main panel shows 'Test Instance Meta Data TI-40402' with fields for Test Name (CHCPI_CONSUMER_CHCIDD_1), Test Keyword (CHCPI_CONSUMER_CHCIDD_1_PAT), Test Type (preparatory), Test Instance permanent link (40402), Test current status (Running), Started time (6/24/25 11:27:43 AM), Last changed time (6/24/25 11:28:06 AM), and Testing Session (Digital Health Projectathon-2025 Bern). Below this is the 'Test Description' section, which includes 'Special Instructions' about evaluating system capabilities as a CH.CPI Consumer, 'Instructions to SIA testing laboratories' about uploading SOAP payloads, and a 'Description' section with a numbered list and an XML example for a downloadRequest.

Get Support in Gazelle

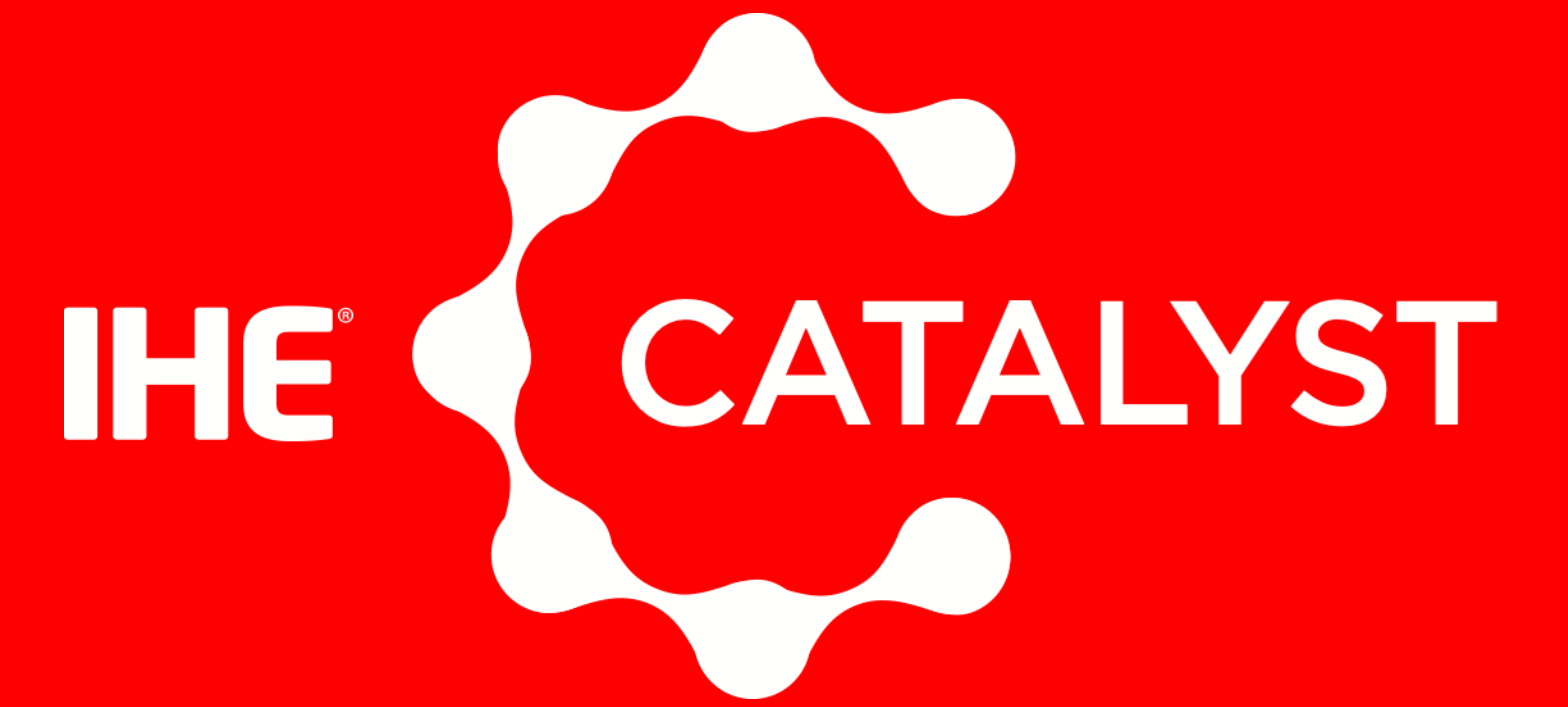
- angelina.GOTZSCHE-LARSEN@kereval.com
- swiss-pat-manager@IHE-catalyst.net

Report issues on testing tools and ask questions

- Helpdesk at
<https://gazelle.ihe.net/jira/servicedesk/customer/portal/8/user/login?destination=portal%2F8>



Demonstration Pre-Testing



Q&A Session