



IHE SHARAZONE New Dimension in Interoperability Testing

SHARAZONE Technical presentation

V 1.04 - BL

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Agenda



- Test Management Tools: Gazelle & Rocket Chat
- Users and products registration process
- Test input creation and sharing
- Testing of shared DICOM datasets
- Review of consumers' Test Report





TEST MANAGEMENT TOOLS



Test Management Tools



- Dedicated instance of Gazelle Test Management
 - Available at https://sharazone.ihe-europe.net
- Rocket.chat for direct messages and announcements from the Sharazone moderator
 - Available at https://chat.sharazone.ihe-europe.net



- Not bound to the IHE NA or IHE EU Connectathon user data base
 - ☐ Your regular Gazelle account will not work

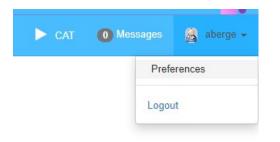


Test Management tools



Gazelle Test Management specific Features

- Creator participants can use the verified, partially verified and failed statuses
- Notifications are sent by email for the following events:
 - Creation of a new test instance
 - Status change
 - New comment posted in the chat window
 Turn on the « notification by email » in your preferences







USERS AND PRODUCTS REGISTRATION PROCESS

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Onboarding



For both Creator and Consumer organisations

Once the contract is signed, the SHARAZONE moderator creates:

In Gazelle:

- A new organization
- The account of the main point of contact

In Rocket.chat:

- The Rocket.chat account (same username)
- The organization's Rocket.chat channel (#org_keyword)

Your tasks

In Gazelle

- Activate your account and set up a password (link received by email)
- Create Gazelle accounts for your colleagues

In Rocket.chat

- Reset the default password from rocket.chat
- Request account creation for your colleagues to the SHARAZONE moderator

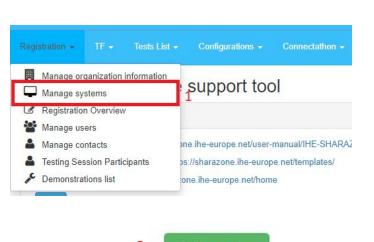


the Healthcare Creator and Consumer participants Enterprise



Register your product

One version of a real-world product = one system in Gazelle
 3 Add a system



Add a system

Register a new system for your organization Please use this form in order to edit information of this system. Organization Keyword IHE-Europe System/Product name * Commercial name of your product System type * PACS / MOD / WS PACS System keyword CAPITALISED_PRODUCT_NAME-VERSION PACS IHE-EU Version Version of the product + (« Commercially released » / « Not released yet ») Owner' Main point of contact for questions about this product * required fields Cancel



System summary

Profiles/Actors

DICOM

Integrating the Healthcore Creator and Consumer participants Enterprise

Admin section

Notes



Tell whether it consumes or creates objects... or both

Demonstrations

Click of	n this link to ad	ld IHE implementations	(Actors / Integration Pr	rofiles / Integration Profile Op	ptions) to this sys	stem.
		There are no	missing dependencie	s for this system.		
Click on this link to add IHE i	implementations (A	Actors / Integration Profiles / In	ntegration Profile Options) to	this system.		×
Search Criteria						0
Domain	Show all	*	×	Actor Show all	*	×
Domain Integration profile	Show all	*	X Int Prof.	Onot die	¥	×
		Y		Chow dis		
		v v Integration Profile Option ‡	× Int Prof.		You	x Ir system consu
Integration profile	Show all		X Int Prof.	option Show all	You	×
Integration profile	Show all	Integration Profile Option ♦	X Int Prof. Add this II	option Show all HE implementation to this system	You DIC	x Ir system consu



Your system might be consumer AND creator

select both

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Integrating the Healthcare Creator and Consumer participants Enterprise



Onboarding your product

 Once your product is registered, ask the SHARAZONE moderator in Rocket.chat to review and accept your system



Unaccepted systems cannot be selected as test partner

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TEST INPUT CREATION AND SHARING





Prepare your **Shared test input**:

- ZIP file including the Test Suite and the DICOM data set (Test items)
- The test suite as a standalone document (MS Word)

To build your Test suite, a template is available for your convenience: <a href="https://example.com/linear.co

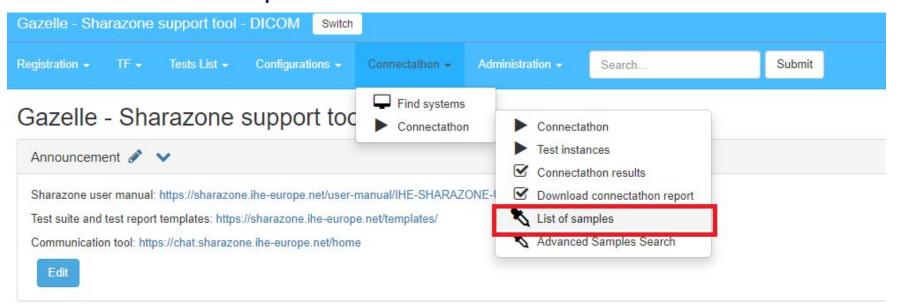
Note: When the consumer participant will fill the test suite with test results, it will become the test report.





Register your Shared test input (1)

Use the « Samples » feature of Gazelle

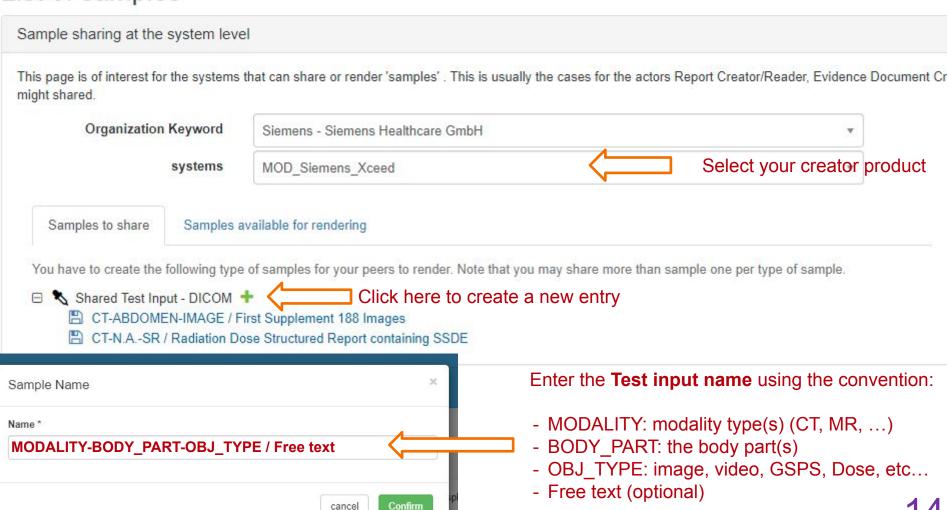






Register your Shared test input (2)

List of samples

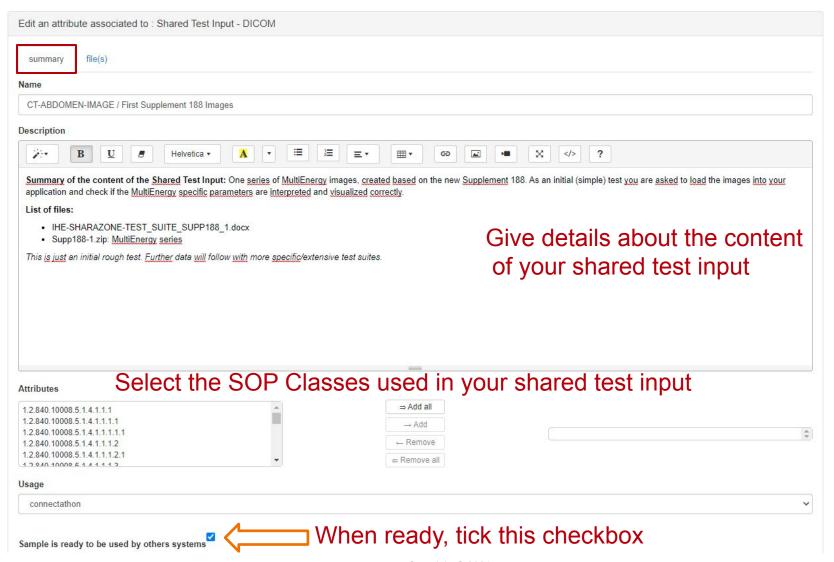


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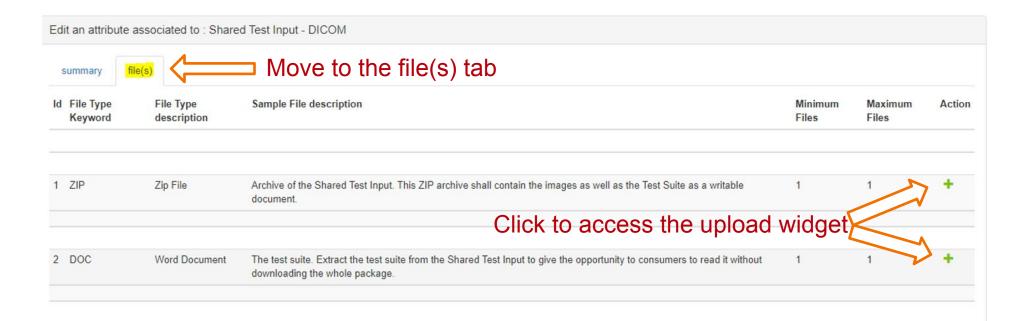
Register your Shared test input (3)







Upload the files (4)





Size limit per file: 1850 MB





You are almost done!

- Inform the SHARAZONE moderator that a new Shared Test Input is available
- The SHARAZONE moderator notifies the consumer participants
- Wait for the consumers to start a test instance against your product

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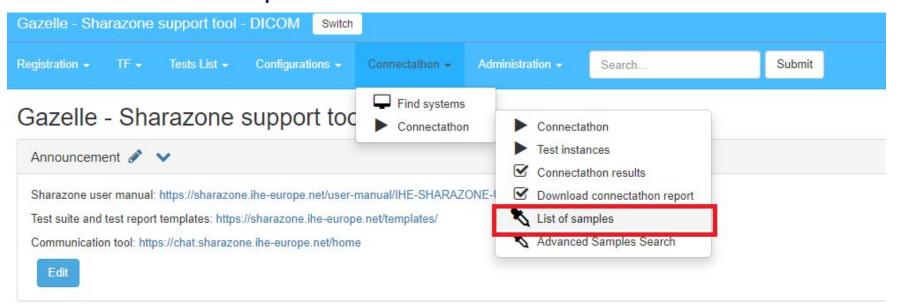
TESTING OF SHARED DICOM DATA SETS





Access the list of Shared test inputs

Use the « Samples » feature of Gazelle

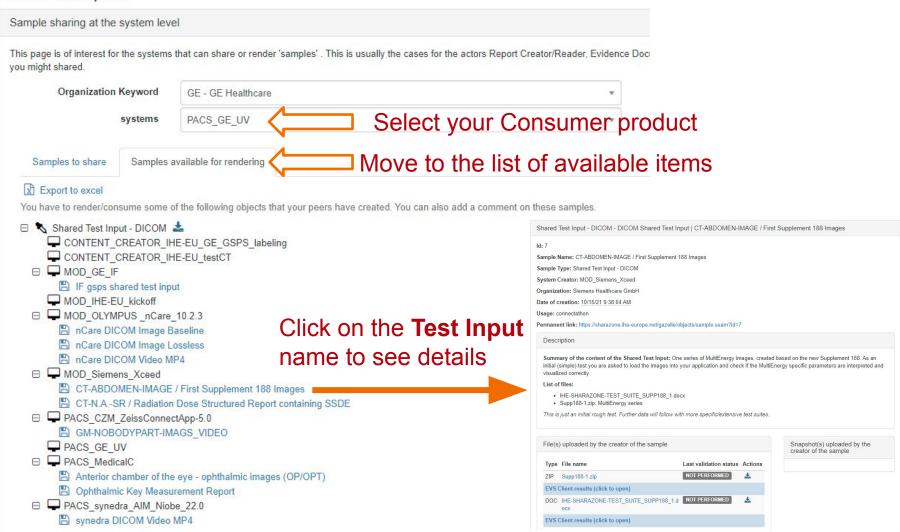






Review the list of shared test inputs

List of samples

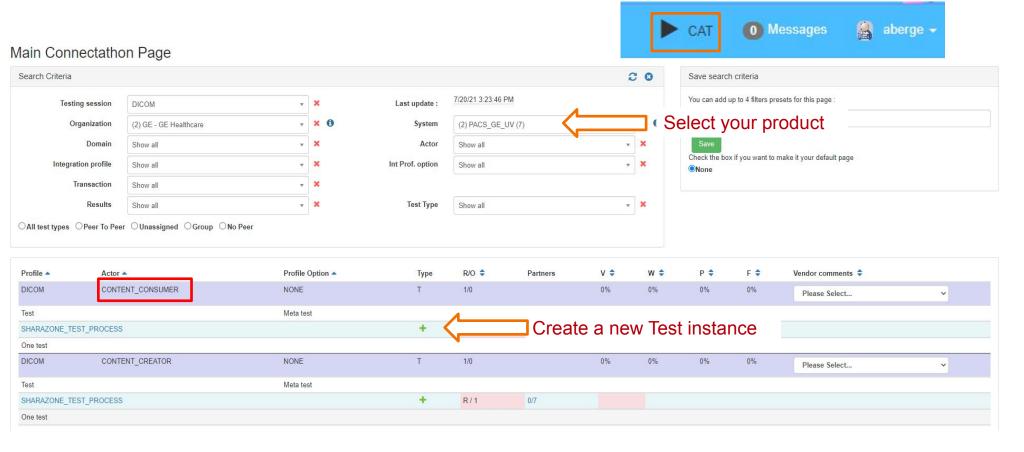






You've made your choice!

- Download the ZIP Test Input
- Start a test instance in Gazelle

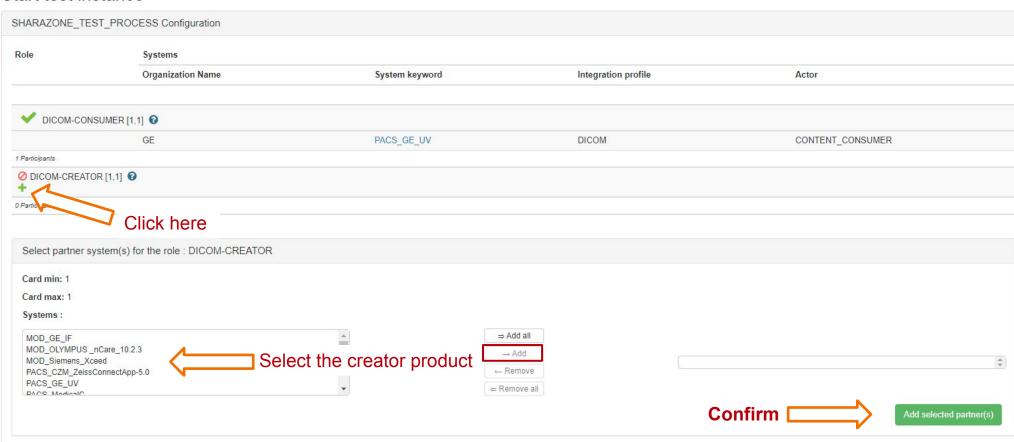






Select your partner and initiate the test instance

Start test instance





And click on the play icon to initiate the test instance

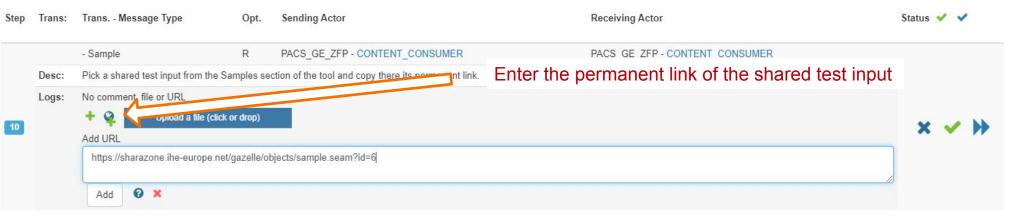


The creator participant is notified by email





Fill out the reference of the Shared Test Input



Sample Description



```
Id: 6
Sample Name: CT-N.A.-SR / Radiation Dose Structured Report containing SSDE
Sample Type: Shared Test Input - DICOM
System Creator: MOD_Siemens_Xceed
Organization: Siemens Healthcare GmbH
Date of creation: 10/15/21 9:40:01 AM
Usage: connectathon

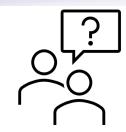
Permanent link: https://sharazone.ihe-europe.net/gazelle/objects/sample.seam?id=6
```

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Need assistance from the Creator?



- You can get in touch:
 - Through the chat window of the test instance
 - An email is sent to the creator to notify him of new messages (asynchronous)
 - Through rocket.chat
 - Initiate a one-to-one discussion (usernames are the same in Gazelle and in rocket.chat)
 - Use the #org.XXX channel to get in touch with all the users from a given organization

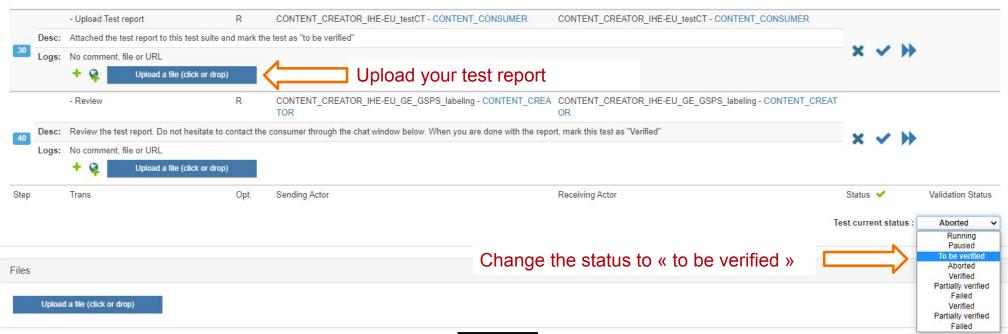




Complete your work



- Execute the test suite
- Upload the Test report to the test instance







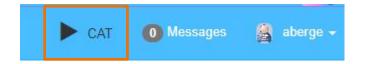
REVIEW OF CONSUMERS' TEST REPORT



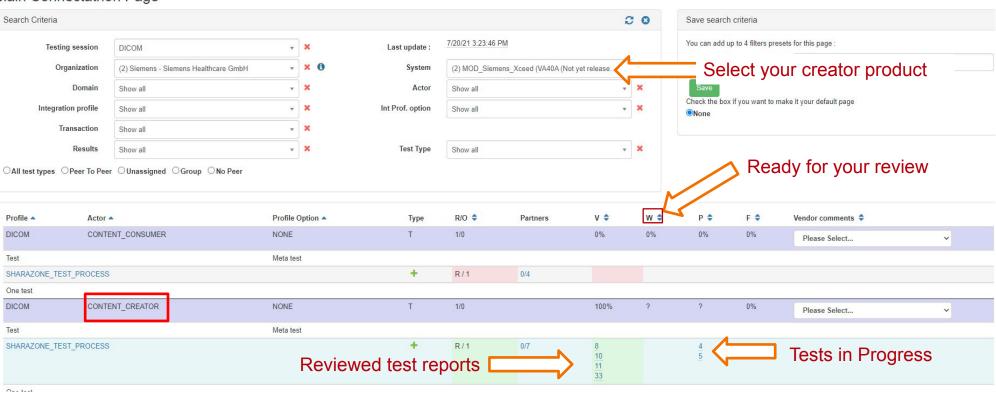


Review the inputs from the consumers





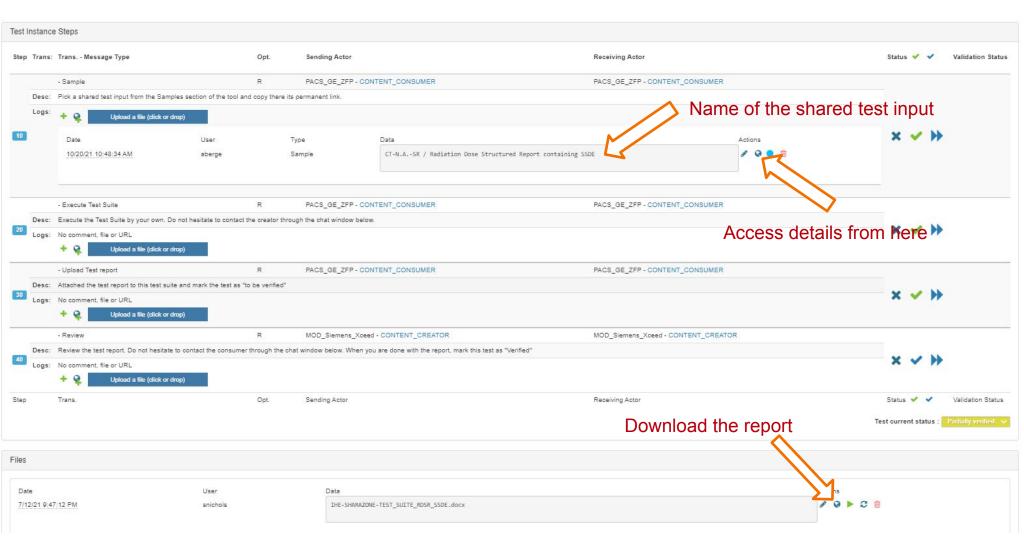
Main Connectathon Page







Download the test report





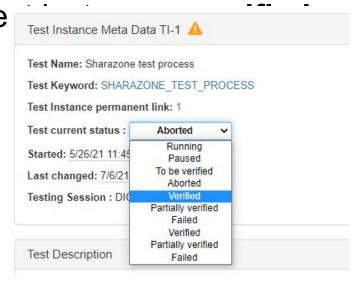


Download and read the test report and close the test

You are happy with the test report ?



Mark the te



- You need further insights from the consumer participant
 - Mark the test instance « Partially Verified »
 - Use the Test instance chat or rocket.chat to ask questions





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Q&A session