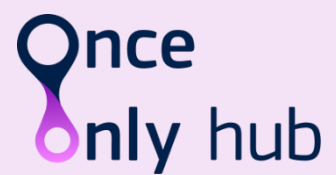


**Once-Only Technical System Projectathon**  
Participant playbook V4.00

Annex 2: how to do pre-tests in Gazelle



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## Document history

Version	Date	Change editors	Changes
1.01	21/03/2023	Marie-Laure Watrinet (EC, DIGIT, EXT)	Creation of Annex 2 as independent annex of the playbook
2.00	22/05/2023	Marie-Laure Watrinet (EC, DIGIT, EXT)	Update of Annex 2 for June Projectathon
3.00	04/08/2023	Marie-Laure Watrinet (EC, DIGIT, EXT)	Update of Annex 2 for October Projectathon
4.00	10/04/2024	Marie-Laure Watrinet (EC, DIGIT, EXT)	Update of Annex 2 for 2024 May Projectathon

# Annex 2: Gazelle pre-Projectathon Tests Manual

## Pre-requisites

Registration has been completed and SUTs have been accepted.

## Overview

What you need to do during Pre-projectathon phase:

1. Share your SUT network in Gazelle
  - a) Declare your SUT hostname and IP address
  - b) Validate and approve SUT Network Interface list generated by Gazelle
2. Upload and share your public AS4 certificate and C3 and C4 identifiers in Gazelle
3. Perform preparatory tests
4. Perform connectivity tests

## 1 Share your network in Gazelle

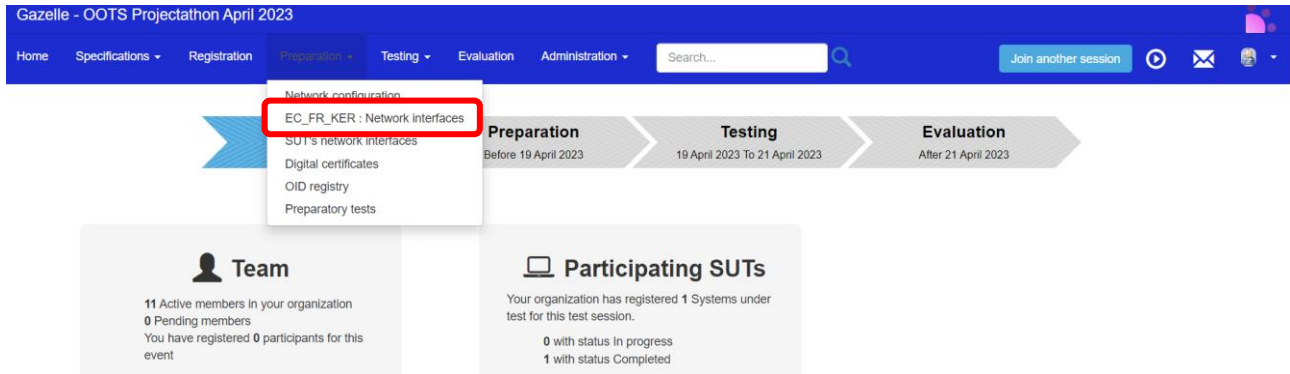
During the Projectathon, you will be asked to test against other systems under test. It implies knowing the endpoints where to send data. Thus, Gazelle offers a feature to share the connectivity details (IP address, port, URL) of the webservices your system exposes.

The technical team has generated default configurations for your endpoints based on your systems' registration. Your task is to update those default entries so they reflect the actual configuration of your system under test.

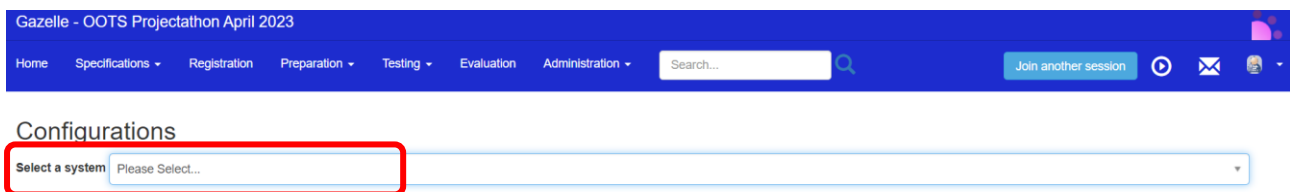
By default, one host is generated for each system you have registered. You have the ability to change which host is used for each single entry in the list of configuration. It means that you can have several systems using the same host. You can also create additional hosts if needed.

## 1.1 Declare your hosts

### 1. Go to the Menu “Preparation > Your Org: Network Interface”



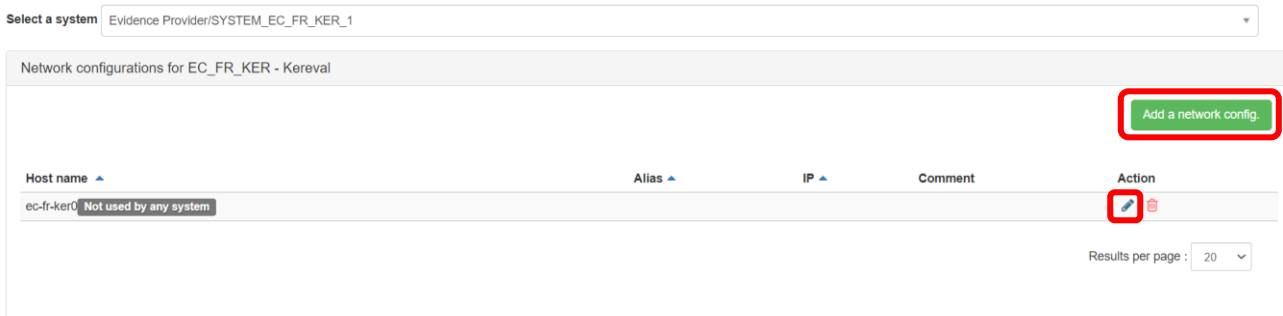
### 2. In the dropdown, choose a SUT



### 3. In the “Network configuration for *Your org*” section, you will need to declare all the hosts your systems are using. This information is needed for other participants to configure their firewall and accept incoming requests.

- If your SUT acts as a server, Gazelle automatically generates a default host entry for your SUT. You can modify the default values by clicking on the Edit button.
- If your SUT acts as a client and there is no default host being generated by Gazelle, you should add the host by clicking on the “Add a network config.” Button.

## Configurations



4. Fill up at least:
  - a. the “host name” with the FQDN of your system
  - b. the “IP Address” fields with the public IP address of your system
5. and save.

#### Configuration edition

EC\_FR\_KER

**Host name**  
ec-fr-ker0

**Alias**

**IP Address**

**Comment**

6. You can add as many hosts as you need.
7. You can edit or delete the hosts configurations you created, with the Edit or Delete icons.

#### Configurations

Select a system: Evidence Provider/SYSTEM\_EC\_FR\_KER\_1

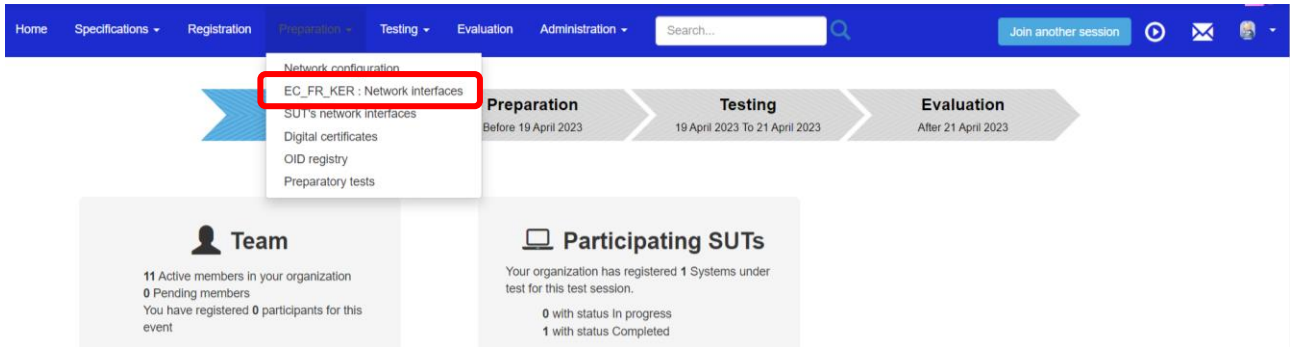
Network configurations for EC\_FR\_KER - Kereval

Host name	Alias	IP	Comment	Action
ec-fr-ker0	Not used by any system			<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Results per page: 20

## 1.2 Validate and approve your systems network configuration

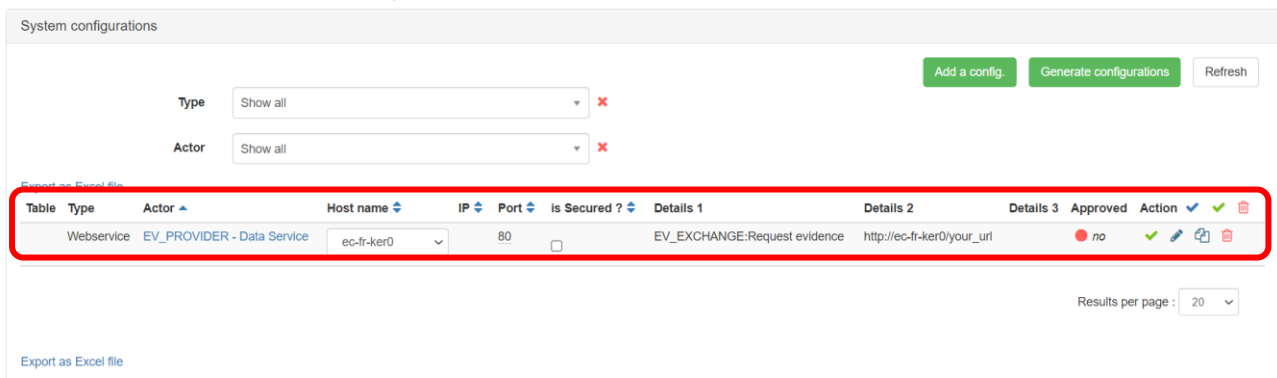
1. Go to the Menu “Preparation > Your Org: Network Interface”



2. In the dropdown, select one SUT

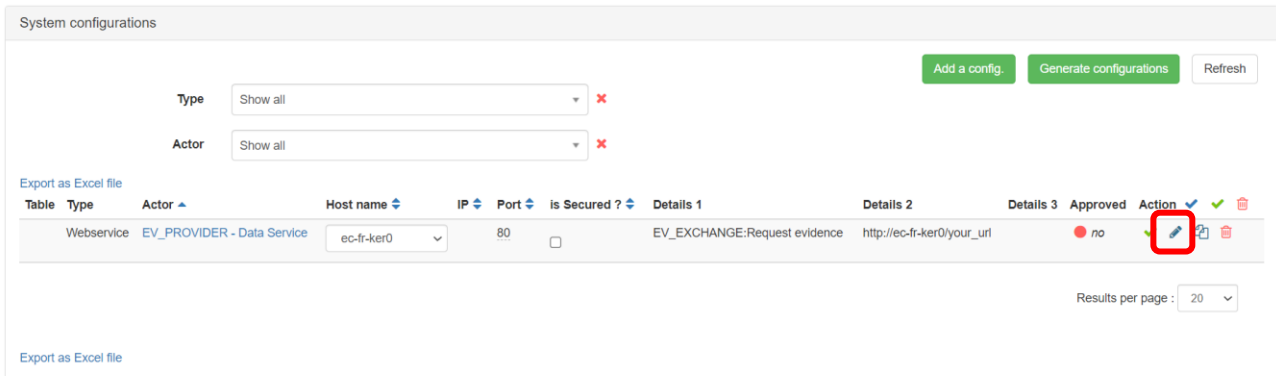


3. In the “System configuration” section, if your system provides services, you will see that Gazelle has generated default configurations for your system. In the following steps, you will edit and approve these configurations. If your system only acts as a client, Gazelle has not generated any configuration for your SUT, you can skip this section for this SUT.

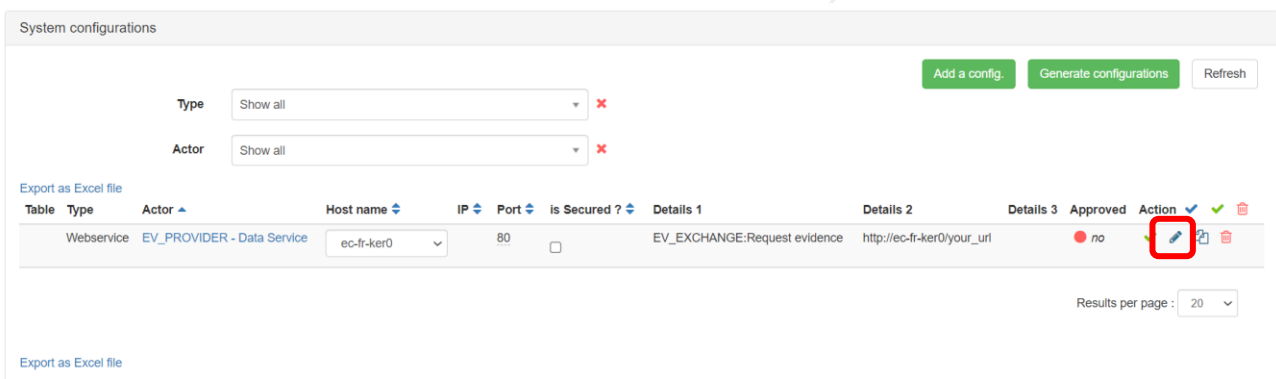


4. Click on the “edit” icon to edit the values:
  - a. Select the right host
  - b. Edit the port used

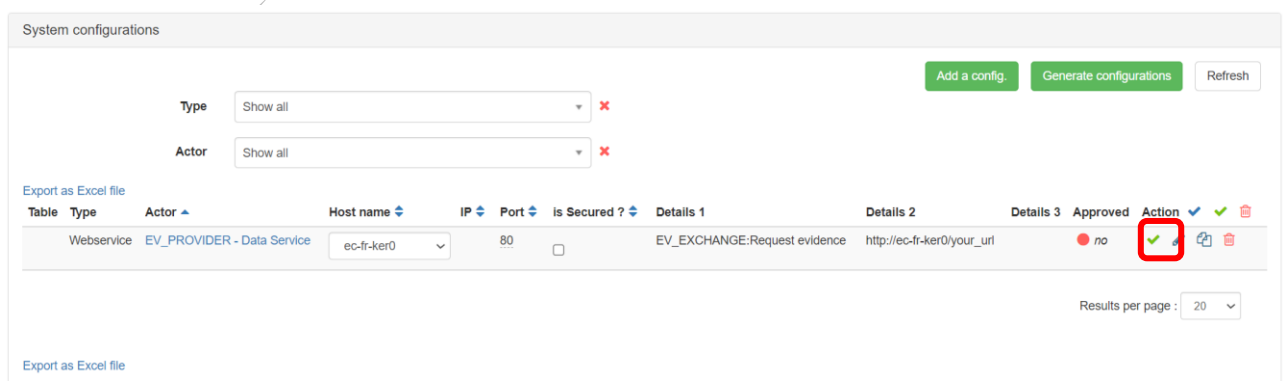
- c. Indicate if the communication is secured or not secured.
- d. For web services, edit the URL



- 5. Once the SUT network interfaces configuration is ready, you can validate it by clicking on the “Approved” button. This will inform others that your configuration has been validated and they can use it.



- 6. If you use secure and unsecure ports, you can duplicate the row by clicking on the button:





7. Your test partners will use this information to perform the connectivity test and peer-to-peer tests with your SUT during the event.
8. Repeat the steps for all your SUTs

## 2 Share your certificates

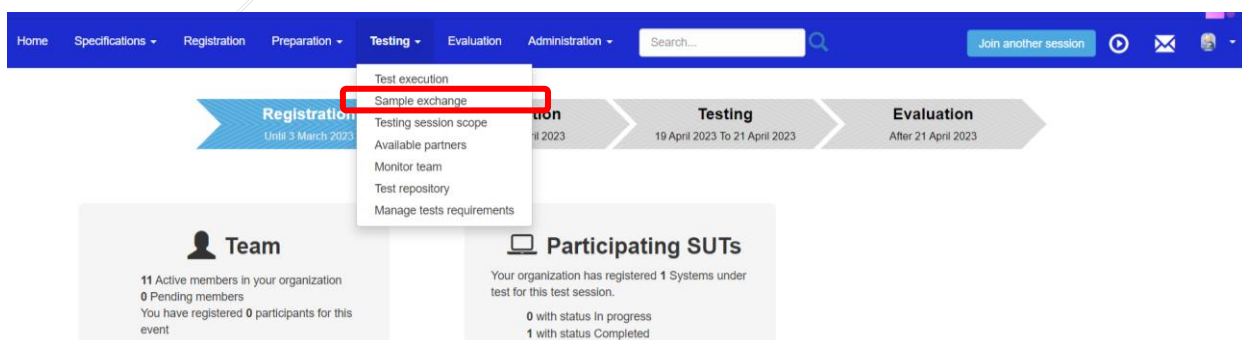
### 2.1 Share your AS4 public certificate and C3, C4 identifiers

- Before exchanging AS4 messages with your test partners, you need to exchange with your test partners:
  - a) The AS4 public certificates
  - b) The C3 and C4 identifiers

To facilitate the exchange of the certificates and identifiers between the participants, all the participants are required to upload/share their SUTs AS4 public certificates and identifiers in Gazelle. Then the participants can download the AS4 public certificates and identifiers of their test partners from Gazelle and configure their SUTs accordingly before exchanging AS4 messages with their test partners during the event.

#### 2.1.1 Upload your AS4 public certificate and share your C3, C4 identifiers

1. Compress your AS4 public certificate in zip format.
2. Go to the menu “Testing” > “Sample exchange”



3. In the dropdown list, select your System Keyword.

List of samples

Sample sharing at the system level

This page is of interest for the systems that can share or render 'samples'. This is usually the cases for the actors Report Creator/Reader, Evidence Document Creator, Document Sources, Document Consumer, Display, Source.... This page makes it possible for you to see what are the samples available and the one you might shared.

Organization : EC\_FR\_KER - Kereval

systems : SYSTEM\_FR\_KER\_2

Samples to share | Samples available for rendering

You have to create the following type of samples for your peers to render. Note that you may share more than sample one per type of sample.

AS4 Public Certificate +

4. In the tab “Samples to share”, you can click on the “+” sign to add your certificate.

List of samples

Sample sharing at the system level

This page is of interest for the systems that can share or render 'samples'. This is usually the cases for the actors Report Creator/Reader, Evidence Document Creator, Document Sources, Document Consumer, Display, Source.... This page makes it possible for you to see what are the samples available and the one you might shared.

Organization : EC\_FR\_KER - Kereval

systems : SYSTEM\_FR\_KER\_2

Samples to share | Samples available for rendering

You have to create the following type of samples for your peers to render. Note that you may share more than sample one per type of sample.

AS4 Public Certificate +

5. Indicate the name of your system and click the “Confirm” button.

6. In the description, indicate the C3 and C4 identifiers for AS4 messaging (XX is the country code):

- a) C3 (AP\_XX\_01)
- b) C4 (BR\_XX\_01).

Edit Sample

Edit an attribute associated to : AS4 Public Certificate

summary : file(s)

Name : FR\_ORG4\_AS4\_CERT

Description

C3 (AP\_FR\_01)  
C4 (BR\_FR\_01)

7. Click on the save button below

Edit an attribute associated to : AS4 Public Certificate

summary **file(s)**

**Name**  
FR\_sys\_name

**Description**

Rich text editor toolbar: Bold, Underline, Helvetica font, Background color, Bulleted list, Numbered list, Indent, Table, Link, Image, Video, Undo, Source code, Help.

C3 (AP\_XX\_01)  
C4 (BR\_XX\_01)

**Usage**  
connectathon

Sample is ready to be used by others systems

**Save**

8. In the “file(s)” tab, upload your Public AS4 Certificate (in zip format) by clicking on the “+” sign.

Edit Sample

Edit an attribute associated to : AS4 Public Certificate

summary **file(s)**

Id	File Type Keyword	File Type description	Sample File description	Minimum Files	Maximum Files	Action
1	ZIP	Zip File	Certificate uploaded in a zip	1	1	<b>+</b>

[Back to list of Samples](#)

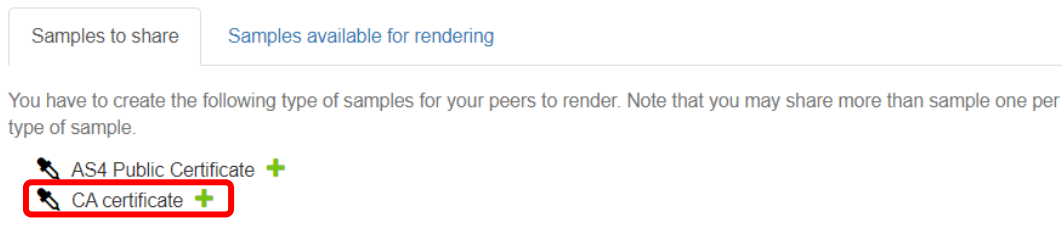
9. Once you have successfully declared your AS4 configuration, you can go back to the list of samples.

10. Repeat the steps in this section for all your SUTs.

## 2.2 Upload your CA certificate

If you are not using a known Certificate Authority, you need to upload your CA certificate to Gazelle.

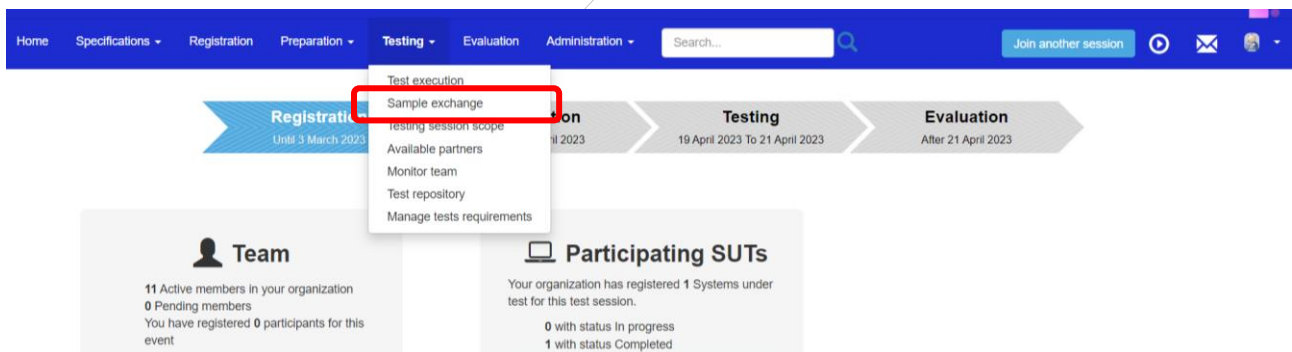
Follow the steps in [2.0.1 Upload your AS4 public certificate and share your C3, C4 identifiers](#) (skip step 4), select CA certificate in the “Sample to share” tab.



## 2.3 Download your test partner’s AS4 public certificate and C3 and C4 identifiers

- These steps will be performed during the connectivity test.

1. Go to the menu “Testing” > “Sample exchange”



2. Select your system which need to exchange the AS4 public certificate for example Evidence Requester and Evidence Provider.

## List of samples

Sample sharing at the system level

This page is of interest for the systems that can share or render 'samples'. This is usually the cases for the actors Report Creator/Reader, Evidence Document Creator, Document Sources, Document Consumer, Display, Source.... This page makes it possible for you to see what are the samples available and the one you might shared.

Organization : TEST\_ORG3 - Test Organization 3  
systems : SYSTEM\_TEST\_ORG3\_DEMO3

Samples to share | Samples available for rendering

You have to create the following type of samples for your peers to render. Note that you may share more than sample one per type of sample.

- AS4 Public Certificate +

3. Click on "Sample available for rendering" tab, you will see all the AS4 public certificate shared by the participants.

## List of samples

Sample sharing at the system level

This page is of interest for the systems that can share or render 'samples'. This is usually the cases for the actors Report Creator/Reader, Evidence Document Creator, Document Sources, Document Consumer, Display, Source.... This page makes it possible for you to see what are the samples available and the one you might shared.

Organization : TEST\_ORG3 - Test Organization 3  
systems : SYSTEM\_TEST\_ORG3\_DEMO2

Samples to share | Samples available for rendering

[Export to excel](#)

You have to render/consume some of the following objects that your peers have created. You can also add a comment on these samples.

- AS4 Public Certificate
- SYSTEM\_EC\_FR\_KER\_0
  - Kereval\_AS4\_AP
  - SYSTEM\_EC\_FR\_KER\_1
  - SYSTEM\_EC\_FR\_KER\_DS\_DEMO
- SYSTEM\_FR\_MOF
  - FR\_ORG4\_AS4\_CERT
  - SYSTEM\_TEST\_ORG3\_DEMO2
  - SYSTEM\_TEST\_ORG3\_DEMO3

[Back to top](#)

4. You can download

- a) all of the shared certificates by clicking on the icon. Or,

### List of samples

Sample sharing at the system level

This page is of interest for the systems that can share or render 'samples'. This is usually the cases for the actors Report Creator/Reader, Evidence Document Creator, Document Sources, Document Consumer, Display, Source.... This page makes it possible for you to see what are the samples available and the one you might shared.

Organization : TEST\_ORG3 - Test Organization 3

systems SYSTEM\_TEST\_ORG3\_DEMO2

Samples to share Samples available for rendering

Export to excel

You have to render/consume some of the following objects that your peers have created. You can also add a comment on these samples.

Search in organisation name, keyword, de

- AS4 Public Certificate
- SYSTEM\_EC\_FR\_KER\_0
  - Kereval\_AS4\_AP
  - SYSTEM\_EC\_FR\_KER\_1
  - SYSTEM\_EC\_FR\_KER\_DS\_DEMO
- SYSTEM\_FR\_MOF
  - FR\_ORG4\_AS4\_CERT
  - SYSTEM\_TEST\_ORG3\_DEMO2
  - SYSTEM\_TEST\_ORG3\_DEMO3

Back to top

b) select certificate you are interested in by clicking on the  icon.

### List of samples

Sample sharing at the system level

This page is of interest for the systems that can share or render 'samples'. This is usually the cases for the actors Report Creator/Reader, Evidence Document Creator, Document Sources, Document Consumer, Display, Source.... This page makes it possible for you to see what are the samples available and the one you might shared.

Organization : TEST\_ORG3 - Test Organization 3

systems SYSTEM\_TEST\_ORG3\_DEMO2

Samples to share Samples available for rendering

Export to excel

You have to render/consume some of the following objects that your peers have created. You can also add a comment on these samples.

Search in organisation name, keyword, de

- AS4 Public Certificate
- SYSTEM\_EC\_FR\_KER\_0
  - Kereval\_AS4\_AP
  - SYSTEM\_EC\_FR\_KER\_1
  - SYSTEM\_EC\_FR\_KER\_DS\_DEMO
- SYSTEM\_FR\_MOF
  - FR\_ORG4\_AS4\_CERT
  - SYSTEM\_TEST\_ORG3\_DEMO2
  - SYSTEM\_TEST\_ORG3\_DEMO3

Back to top

5. The detail information of your test partner AS4 public certificate is displayed.

Samples to share Samples available for rendering

Export to excel

You have to render/consume some of the following objects that your peers have created. You can also add a comment on these samples.

Search in organisation name, keyword, de

- AS4 Public Certificate
- SYSTEM\_EC\_FR\_KER\_0
  - Kereval\_AS4\_AP
  - SYSTEM\_EC\_FR\_KER\_1
  - SYSTEM\_EC\_FR\_KER\_DS\_DEMO
- SYSTEM\_FR\_MOF
  - FR\_ORG4\_AS4\_CERT
  - SYSTEM\_TEST\_ORG3\_ALL\_Demo
  - SYSTEM\_TEST\_ORG3\_EV-PROD\_Demo

AS4 Public Certificate [FR\_ORG4\_AS4\_CERT]

Id: 4

Sample Name: FR\_ORG4\_AS4\_CERT

Sample Type: AS4 Public Certificate

System Creator: SYSTEM\_FR\_MOF

Organization: test org 4

Date of creation: 3/9/23 12:54:55 PM

Usage: connection

Permanent link: <https://oots-testing.jhe-catalyst.net/gazelle/objects/sample.seam?id=4>

Description

C3 (AP\_FR\_0)

C4 (BR\_FR\_01)

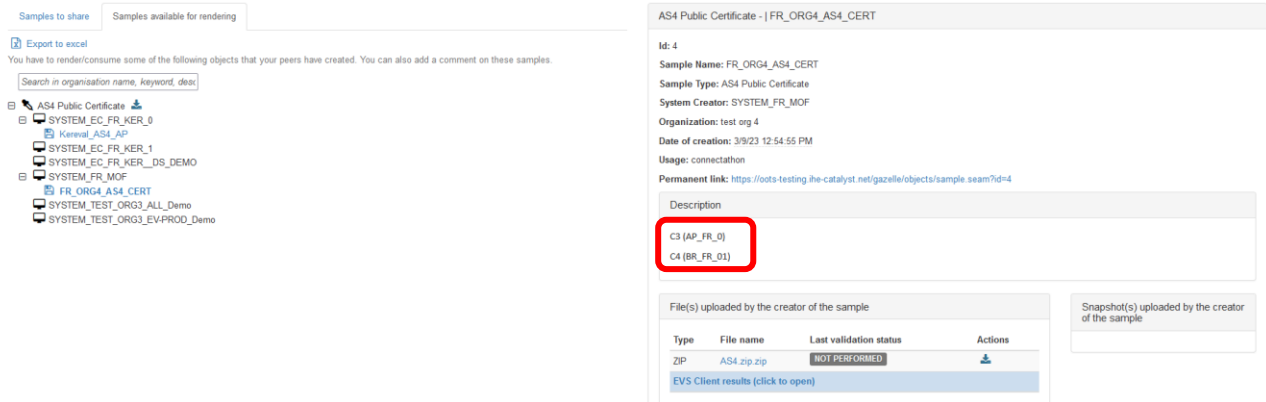
File(s) uploaded by the creator of the sample

Type	File name	Last validation status	Actions
ZIP	AS4.zip.zip	NOT PERFORMED	

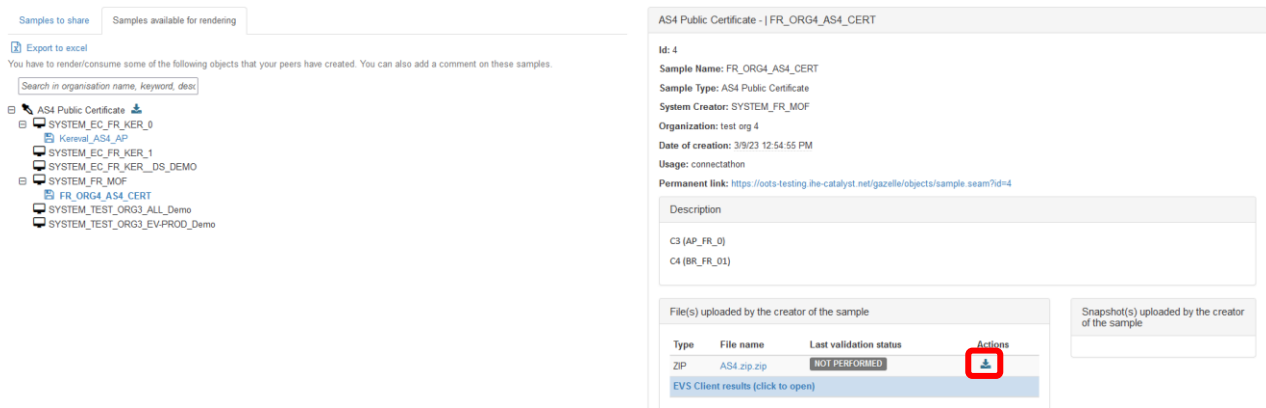
EV5 Client results (click to open)

Snapshot(s) uploaded by the creator of the sample

- The C3 and C4 identifiers are stated in the description section, configure your system with these identifiers.



- The AS4 public certificate is compressed in zip format, click on the icon to download the zip file.



- Once the file is downloaded successfully. Unzip the file and configure your SUT with your test partner’s AS4 public certificate.


## 2.4 Download your test partner’s CA certificate

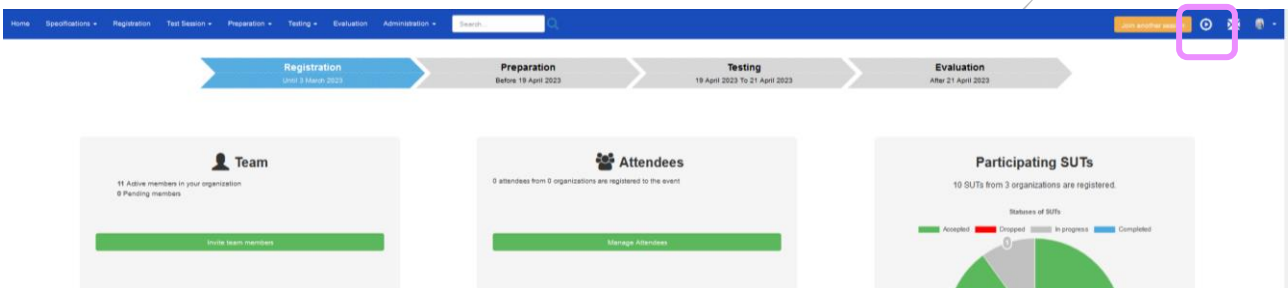
Follow the steps in [2.0.3 Download your test partner’s AS4 public certificate and C3 and C4 identifiers](#) (skip step 6), select **CA certificate** in the “Sample to share” tab.

## 3 Execute preparatory tests in Gazelle

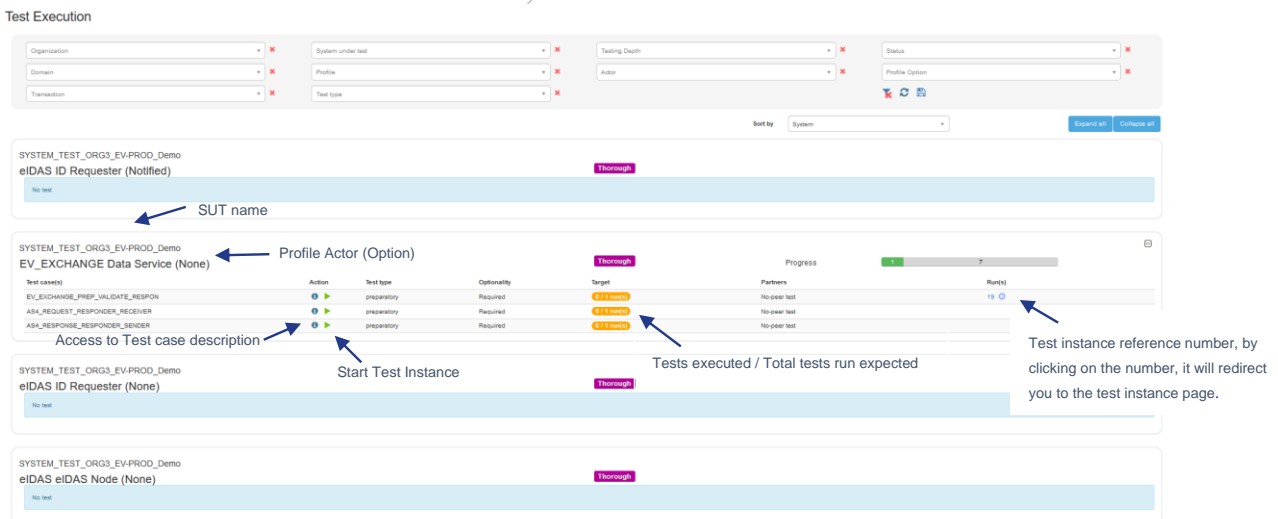
The preparatory tests are no-peer tests to help you validate and prepare your SUTs before the event. Gazelle generates list of test cases that need to be executed based on the registered profile/actor/option combinations.

### 3.1 Access test cases

1. To access to the test execution page, click on the  icon on the top right menu, or select “Test execution” in the “Testing” menu.



2. The Test Execution page lists all the tests that the system should cover. The test cases are grouped by the SUT and Profile/Actor/Option.



3. The test execution page can be filtered according to several criteria. When you select more than one criteria, the AND clause applies.



Test Execution

The screenshot shows the 'Test Execution' interface. At the top, there are several filter dropdowns: Organization, System under test, Testing Depth, Status, Domain, Profile, Profile Option, Transaction, and Test type. A red box highlights these filter options. Below the filters, there is a 'Save search criteria' button and 'Expand all' and 'Collapse all' buttons. The main content area shows a table of test cases for 'SYSTEM\_TEST\_ORGS\_EV-PROD\_Demo' and 'EV\_EXCHANGE Data Service (None)'. The table has columns for 'test case(s)', 'Action', 'Test type', 'Optionality', 'Target', 'Partners', and 'Run(s)'. The 'Target' column shows '0/1 match' for each row.

test case(s)	Action	Test type	Optionality	Target	Partners	Run(s)
EV_EXCHANGE_PREP_VALIDATE_RESPON		preparatory	Required	0/1 match	No-peer test	19
ASA_REQUEST_RESPONDER_RECEIVER		preparatory	Required	0/1 match	No-peer test	
ASA_RESPONSE_RESPONDER_SENDER		preparatory	Required	0/1 match	No-peer test	

4. You can save the filter by click on the icon and then enter a Name to the filter.

Test Execution

This screenshot is identical to the previous one, but a red box highlights the save icon (a floppy disk) located next to the 'Save search criteria' button.

A modal dialog box titled 'Name of preset :'. It contains a text input field with the value 'EV\_PROVIDER\_NO\_PREVI' and a green 'Save search criteria' button.

5. You can access to the saved filter by clicking on the filter name you created.

You can set the filter as favorite/default filter by clicking on the icon.

To delete the saved filter by clicking on the icon.

Test Execution

This screenshot shows the 'Test Execution' interface with the saved filter 'EV\_PROVIDER\_NO\_PREVI' now listed in the 'Quick filters' section at the top left, highlighted with a red box. The main table of test cases is the same as in the previous screenshots.

## 3.2 Execute the test

1. To start a test instance, click on the  button.

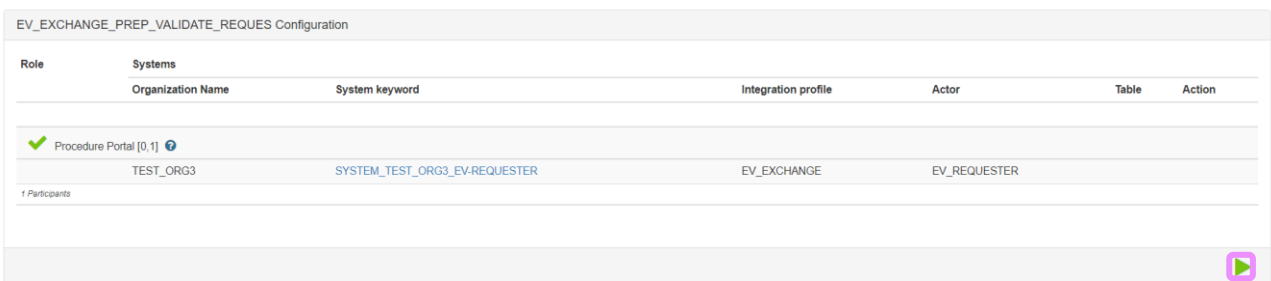




Test case(s)	Action	Test type	Optionality	Target	Partners	Run(s)
EV_EXCHANGE_PREP_VALIDATE_REQUES		preparatory	Required	0 / 1 run(s)	No-peer test	
AS4_RESPONSE_REQUESTER_RECIEVER		preparatory	Required	0 / 1 run(s)	No-peer test	

2. You will be redirected to the Start test instance page.

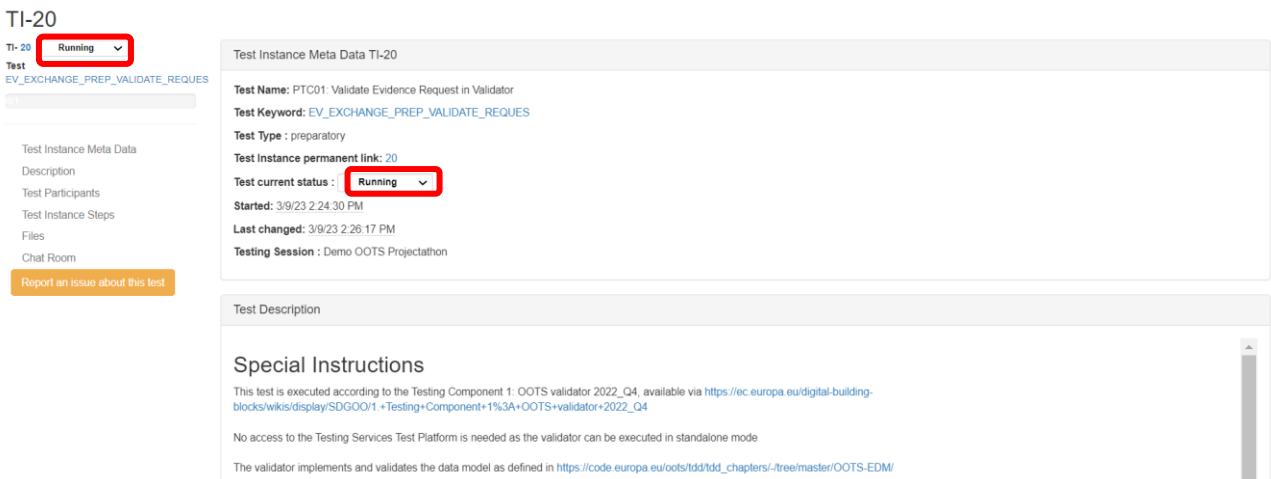
In the Start test instance page, click on the  button.

Start test instance



Role	Systems	Organization Name	System keyword	Integration profile	Actor	Table	Action
	Procedure Portal [0,1]	TEST_ORG3	SYSTEM_TEST_ORG3_EV-REQUESTER	EV_EXCHANGE	EV_REQUESTER		

3. Once your test instance is started, the status of the test is “Running”.



TI-20 Running

Test Instance Meta Data TI-20

**Test Name:** PTC01: Validate Evidence Request in Validator  
**Test Keyword:** EV\_EXCHANGE\_PREP\_VALIDATE\_REQUES  
**Test Type:** preparatory  
**Test Instance permanent link:** 20  
**Test current status:** Running  
**Started:** 3/9/23 2:24:30 PM  
**Last changed:** 3/9/23 2:26:17 PM  
**Testing Session:** Demo OOTS Projectathon

Test Description

**Special Instructions**

This test is executed according to the Testing Component 1: OOTS validator 2022\_Q4, available via [https://ec.europa.eu/digital-building-blocks/wikis/display/SDGOO/1.+Testing+Component+1%3A+OOTS+validator+2022\\_Q4](https://ec.europa.eu/digital-building-blocks/wikis/display/SDGOO/1.+Testing+Component+1%3A+OOTS+validator+2022_Q4)

No access to the Testing Services Test Platform is needed as the validator can be executed in standalone mode

The validator implements and validates the data model as defined in [https://code.europa.eu/oots/tdd/tdd\\_chapters/-/tree/master/OOTS-EDM/](https://code.europa.eu/oots/tdd/tdd_chapters/-/tree/master/OOTS-EDM/)

4. A test instance is always presented in the same way, with:

TI-20

Running

Test EV\_EXCHANGE\_PREP\_VALIDATE\_REQUES

- Test Instance Meta Data
- Description
- Test Participants
- Test Instance Steps
- Files
- Chat Room

Report an issue about this test

Quick access menu to navigate to different sections of test instance.

Information (Metadata)

Test Instance Meta Data TI-20

**Test Name:** PTC01: Validate Evidence Request in Validator  
**Test Keyword:** EV\_EXCHANGE\_PREP\_VALIDATE\_REQUES  
**Test Type:** preparatory  
**Test Instance permanent link:** 20  
**Test current status:** Running  
**Started:** 3/9/23 2:24:30 PM  
**Last changed:** 3/9/23 2:26:17 PM  
**Testing Session:** Demo OOTS Projectathon

Test instruction, description and evaluation

Test Description

### Special Instructions

This test is executed according to the Testing Component 1: OOTS validator 2022\_Q4, available via [https://ec.europa.eu/digital-building-blocks/wikis/display/SDGOO11+Testing+Component+1%3A+OOTS+validator+2022\\_Q4](https://ec.europa.eu/digital-building-blocks/wikis/display/SDGOO11+Testing+Component+1%3A+OOTS+validator+2022_Q4)

No access to the Testing Services Test Platform is needed as the validator can be executed in standalone mode

The validator implements and validates the data model as defined in [https://code.europa.eu/oots/idd/idd\\_chapters/-/tree/master/OOTS-EDM/](https://code.europa.eu/oots/idd/idd_chapters/-/tree/master/OOTS-EDM/)

### Description

In this test case, the Evidence Requester will validate the Evidence Request message it normally submits as payload to an eDelivery AS4 message, but now against a standalone validator, without involving the AS4 messaging part

Use your browser to navigate to [https://oots-testing-pr-ag.westeurope.cloudapp.azure.com/ootsvalidator/request\\_response/upload](https://oots-testing-pr-ag.westeurope.cloudapp.azure.com/ootsvalidator/request_response/upload)

Select the 'OOTS Evidence Request' validation type

Validate your Evidence Request message

### Evaluation

TEST STEP 10: Upon successful validation message against the validator, provide screenshot (including test case date/time) of the successful test case.

Test participants and role played in the test

Participating Systems

System keyword	Organization Name	System manager	Role in test	Integration profile	ActoBack to top	Table
SYSTEM_TEST_ORG3_EV-REQUESTER	TEST_ORG3	testuser1	Procedure Portal	EV_EXCHANGE	EV_REQUESTER	

**EV\_EXCHANGE\_PREP\_VALIDATE\_REQUES**

Use your browser to navigate to [https://oots-testing-pr-ag.westeurope.cloudapp.azure.com/ootsvalidator/request\\_response/upload](https://oots-testing-pr-ag.westeurope.cloudapp.azure.com/ootsvalidator/request_response/upload)

Select the 'OOTS Evidence Request' validation type

Validate your Evidence Request message

[Proof of test] screenshot (including test case date/time) of the successful test case.

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Test steps, proof of test upload, and test result validation

Test Instance Steps

Step	Trans.	Message Type	Opt.	Sending Actor	Receiving Actor	Status	Validation Status	
10	Desc:	Use your browser to navigate to <a href="https://oots-testing-pr-ag.westeurope.cloudapp.azure.com/ootsvalidator/request_response/upload">https://oots-testing-pr-ag.westeurope.cloudapp.azure.com/ootsvalidator/request_response/upload</a> Select the 'OOTS Evidence Request' validation type Validate your Evidence Request message [Proof of test] screenshot (including test case date/time) of the successful test case.					✓	
	Logs:	No comment, file or URL						

Test current status: Running

Test instance status

File upload to upload additional proof (if any)

Files

Upload a file (click or drop)

Chat Room



testuser1(TEST\_ORG3) Status changed to : Running 3/9/23 2:24:30 PM (GMT+01:00)

add Comment




Back to top




5. Carefully read the test description section.

Follow the test steps, validate the test result with validator and upload the proof of test such as log, print screen, messages...

- A test step always includes the following information:
  - Test steps number.
  - Type of message sent/validated in the step (can be null)
  - Actors involved in the test steps
  - Description of the test step: to be read and respected
  -  button: Add comment or message regarding the test step.
  -  button: Add the permanent link (URL) from the validator, EVS Client tool.
  - An "Upload File" button: to provide proof of testing such as log, print screen and messages.

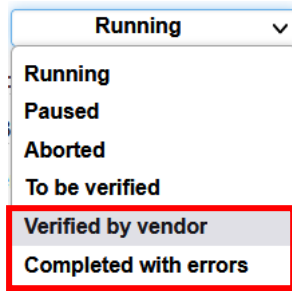
**Please upload a print screen and / or a log file of your test here.**

6. After completed each test step, update the test step status by pressing the ,  or  button:

- *Failed*  : the test has failed on this step (e.g. validation result KO).
- *Completed*  : the test step has been completed.
- *Skipped*  : the step does not require any action from the user.

7. Once all the test steps are completed, update the test instance status to:

8. Verified by vendor (success)
9. Completed with errors (Failed)



## 4 Connectivity tests

### 4.1 Configure your firewall

1. Go to the Menu “Preparation > Network configuration”

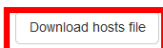


1. Download the host white-list by clicking on the “Download hosts file” button.

#### IPs configuration

#### Network configuration information

:

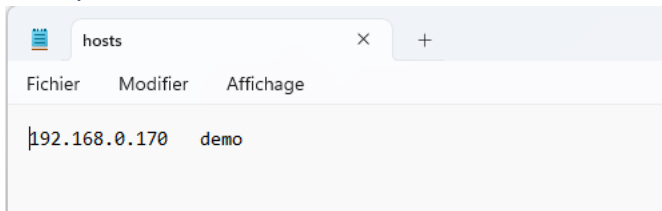


2. The hosts file contains all the nodes that are part of the « online-test-network » for the event.

It can be used as:

- data source to configure your firewall
- hosts file in case of DNS delay or issue

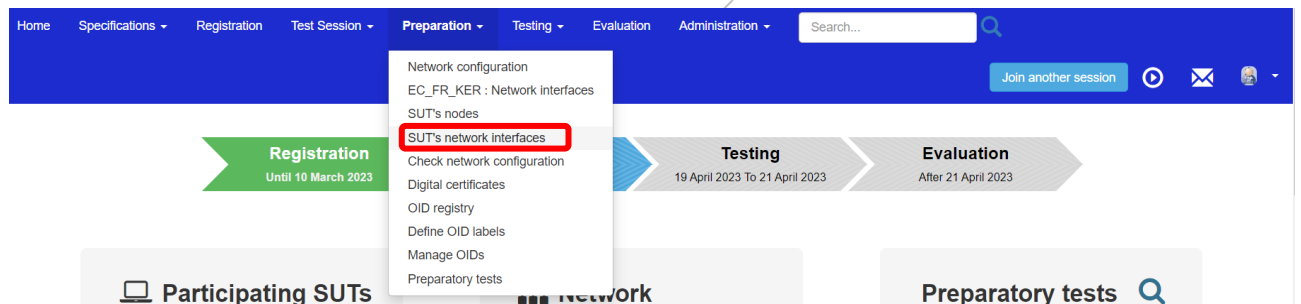
Example hosts list:



3. You can use this file to update or verify your Firewall configuration.

## 4.2 Export the System Interfaces Network list

1. Go to the Menu “Preparation > SUT’s network interfaces”



2. Set the filter to all organizations and approved network configuration by:

- Remove the filter on the Organization keyword by clicking on the ✖ icon.
- Set Approved to “Yes”

### Configurations

Search Criteria

Organization Keyword: Show all (highlighted with red box)

Actor: Show all

Type: Show all

is Secured?: Show all

System: Show all

WS Transaction Usage: Show all

Approved: (2) Yes (highlighted with red box)

URL for downloading configurations as CSV [Add a config.](#)

Export as Excel file

Sys	Table	Type	Actor	Host name	IP	Port	is Secured?	Details 1	Details 2	Details 3	Approved	Action
SYSTEM_FR KER_DS_DEMO / EC_FR KER		Webservice	EV_PROVIDER - Data Service	ec-fr-ker0		1024	true	EV_EXCHANGE:Request evidence	https://ec-fr-ker0:1024/your_url		yes	
SYSTEM_TEST_ORG3_DEMO2 / TEST_ORG3		Webservice	EV_PROVIDER - Data Service			80		EV_EXCHANGE:Request evidence	http://your_url		yes	

3. The approved systems Interfaces are listed, click on the “Export as Excel file” link to download the file.

### Configurations

Search Criteria

Organization Keyword: Show all

Actor: Show all

Type: Show all

is Secured?: Show all

System: Show all

WS Transaction Usage: Show all

Approved: Show all

URL for downloading configurations as CSV [Click here to see configurations type depending actors](#)

[Add a config.](#)

[Export as Excel file](#) (highlighted with red box)

Sys	Table	Type	Actor	Host name	IP	Port	is Secured?	Details 1	Details 2
SYSTEM_EC_DIGIT / EC_DIGIT		Webservice	DATA_SERVICE_DIR - Data Service Directory	ec-dlg		80		LOOKUP_EV_PROVIDER:Evidence Provider Lookup	http://ec-digit0/your_url
SYSTEM_EC_DIGIT / EC_DIGIT		Webservice	EV_BROKER - Evidence Broker	ec-dlg		80		LOOKUP_EV_TYPE:Look up Evidence Type	http://ec-digit0/your_url

4. A file called configurations.xls is downloaded.

#### Example configurations.xls:

	A	B	C	D	E	F	G	H	I	J	K	L
1	Sys	Table	Type	Actor	Host name	IP	Port	is Secured	Details 1	Details 2	Details 3	Approved
2	SYSTEM_FI_KEHA_OOTS / FI_KEHA		Webservice	EV_PROVIDER - Data Service	harmony-ap01-sandbox.keha.cloud	20.16.123.143	8443	true	EV_EXCHANGE:Request evidence	https://harmony-ap01-sandbox.keha.cloud:8443/services/msh		yes
3	SYSTEM_MDG_EL_test_ap_1 / EL_MD		Webservice	EV_REQUESTER - Evidence Requester	mdg0	79.129.27.41	80	false	EV_EXCHANGE:Request evidence	http://mdg0/grtestap		yes
4	SYSTEM_FI_KEHA_OOTS / FI_KEHA		Webservice	EV_REQUESTER - Evidence Requester	harmony-ap01-sandbox.keha.cloud	20.16.123.143	8443	true	EV_EXCHANGE:Request evidence	https://harmony-ap01-sandbox.keha.cloud:8443/services/msh		yes
5												

5. Convert the configurations.xls to csv format.

## 4.3 Execute the Connectivity Test script

1. Go to <https://gitlab.inria.fr/gazelle/specific-tools/connectivity-test-scripts>
  - The script works on Windows and Unix
  - Read instructions in the README.md
2. Execute the script as below with the converted SUT network interfaces list (configurations.csv ) and save the test result into a file.


```
$. /connect-test.[sh|ps1] -csv configurations.csv > connectivity-results.csv
```

3. Report your connectivity results to the technical management team ([EC-OOTS-SUPPORT@ec.europa.eu](mailto:EC-OOTS-SUPPORT@ec.europa.eu))

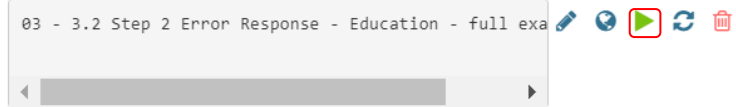


## 5 How to use the validator

Note: what is presented in this chapter is the single validator. For 2024 Projectathon series, a cross-validator is also suggested but is not supported by Gazelle for the moment. Teams interested in using this new cross-validator can find information about it there: [https://ec.europa.eu/digital-building-blocks/wikis/display/SDGOO/1.+Testing+Component+1%3A+OOTS+validator+2024\\_Q1](https://ec.europa.eu/digital-building-blocks/wikis/display/SDGOO/1.+Testing+Component+1%3A+OOTS+validator+2024_Q1).

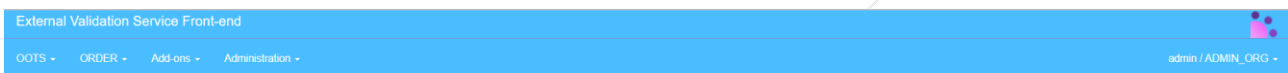
1. You can validate your proof of test by clicking on the  button in the test step.

4/5/23 3:43:47 PM wjtey File

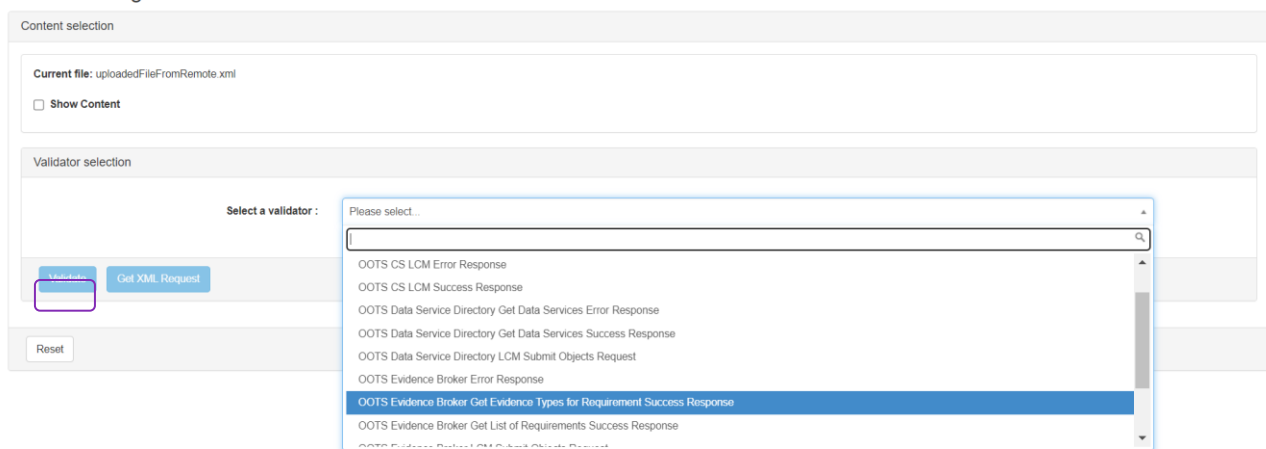


2. You will be redirected to the Gazelle tool, EVS Client.

Select the type of validator you would like to validate your file. And then click on the “Validate” button.



### Validate using GITB services



3. The validator result is displayed:

- Validation failed

External Validation Service Front-end

OOTs - ORDER - Add-ons - Administration - admin / ADMIN\_ORG -

### Validate using GITB services

**Information**

File Name: uploadedFileFromRemote.xml

OID: 1.3.6.1.4.1.12559.11.33.4.51

Validation Date: 4/5/23 3:47:19 PM (CEST GMT+0200)

OOTS XML Validation: OOTS Evidence Response (Version N/A)

Validation Results: **DONE\_FAILED**

Permanent link: <https://qualif2.ihe.keraval.cloud/evs/report.seam?oid=1.3.6.1.4.1.12559.11.33.4.51>

Data Visibility: Private - Owned By admin / ADMIN\_ORG

Make this result public | share this result | Validate again | Perform another validation

**Validation Results**


OOTS XML Validation Standard Report XML


Validation Summary 5

Report **FAILED**

Validation Summary 5

<b>Constraint Description</b>	The 'status' attribute of a 'QueryResponse' MUST be encoded as "urn:oasis:names:tc:ebxml-regrep:ResponseStatusType:Success" for successful responses or as "urn:oasis:names:tc:ebxml-regrep:ResponseStatusType:Unavailable" for responses that will be available at a later time
<b>Formal Expression</b>	<code>@status="urn:oasis:names:tc:ebxml-regrep:ResponseStatusType:Success" or @status="urn:oasis:names:tc:ebxml-regrep:ResponseStatusType:Unavailable"</code>
<b>Location in validated o...</b>	<code>/* QueryResponse[namespace-uri()='urn:oasis:names:tc:ebxml-regrep:xsd:query-4.0'][1]</code>
<b>Constraint Description</b>	A successful 'query:QueryResponse' does not include an Exception
<b>Formal Expression</b>	<code>count(rs:Exception) &gt; 0</code>
<b>Location in validated o...</b>	<code>/* QueryResponse[namespace-uri()='urn:oasis:names:tc:ebxml-regrep:xsd:query-4.0'][1] Exception[namespace-uri()='urn:oasis:names:tc:ebxml-regrep:xsd:rs:4.0'][1]</code>
<b>Constraint Description</b>	The rim Slot name="IssueDateTime" MUST be present in the QueryResponse.
<b>Formal Expression</b>	<code>count(child::rim:Slot[@name='IssueDateTime'])&gt;1</code>
<b>Location in validated o...</b>	<code>/* QueryResponse[namespace-uri()='urn:oasis:names:tc:ebxml-regrep:xsd:query-4.0'][1]</code>
<b>Constraint Description</b>	The rim Slot name="EvidenceProvider" MUST be present in the QueryResponse.
<b>Formal Expression</b>	<code>count(child::rim:Slot[@name='EvidenceProvider'])&gt;1</code>
<b>Location in validated o...</b>	<code>/* QueryResponse[namespace-uri()='urn:oasis:names:tc:ebxml-regrep:xsd:query-4.0'][1]</code>
<b>Constraint Description</b>	A query:QueryResponse MUST not contain any other rim:Slots than SpecificationIdentifier, EvidenceResponseIdentifier, IssueDateTime, EvidenceProvider, EvidenceRequester, rim:RegistryObjectList and optional ResponseAvailableDateTime
<b>Formal Expression</b>	<code>rim:Slot[@name='SpecificationIdentifier'] and rim:Slot[@name='EvidenceResponseIdentifier'] and rim:Slot[@name='IssueDateTime'] and rim:Slot[@name='EvidenceProvider'] and rim:Slot[@name='EvidenceRequester'] or rim:Slot[@name='ResponseAvailableDateTime']</code>
<b>Location in validated o...</b>	<code>/* QueryResponse[namespace-uri()='urn:oasis:names:tc:ebxml-regrep:xsd:query-4.0'][1]</code>

A red dot will appear in the test step where you validate your proof of test to indicate the validation is failed. If the validated result is not displayed immediately, you can click on the  icon to refresh the result.

4/5/23 3:43:47 PM wjety File 03 - 3.2 Step 2 Error Response - Education - full example.xml 


- Validation passed

### Validate using GITB services

The screenshot displays the 'Validate using GITB services' interface. At the top, there is an 'Information' section with the following details:

- File Name:** uploadedFileFromRemote.xml
- OID:** 1.3.6.1.4.1.12559.11.33.4.52
- Validation Date:** 4/5/23 3:50:31 PM (CEST GMT+0200)
- OOTS XML Validation:** OOTS Evidence Exception (Version N/A)
- Validation Results:** DONE: PASSED
- Permanent link:** <https://qualif2.the.kereval.cloud/evs/report.seam?oid=1.3.6.1.4.1.12559.11.33.4.52>
- Data Visibility:** Private - Owned By admin / ADMIN\_ORG

Below the information section are four buttons: 'Make this result public', 'share this result', 'Validate again', and 'Perform another validation'. The 'Validation Results' section is active, showing a 'Validation Summary' with a green progress bar and a 'PASSED' status. Below this, there is a table with columns for 'Constraint Description' and 'Overall Result Report'.

A green dot will appear in the test step where you validate your proof of test to indicate the validation is passed. If the validated result is not displayed immediately, you can click on the  icon to refresh the result.

The screenshot shows a test step interface. At the top, there is a timestamp '4/5/23 3:43:47 PM', a user name 'wjtey', and the word 'File'. Below this, there is a file name '03 - 3.2 Step 2 Error Response - Education - full example.xml'. To the right of the file name are several icons: a pencil, a globe, a play button, a green dot (highlighted with a red box), a refresh icon, and a trash icon.