



Canada Health Infoway

# Pan-Canadian Projectathon

Registration Webinar

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Powered by: IHE





**Welcome to the  
second pan-Canadian  
Projectathon!**

March 20, 2023

# Agenda

Background & Scope	5 mins
Gazelle Demonstration and Registration	30 mins
Orientation of Preparation Materials and Tooling Overview	10 mins
Schedule & Getting in Touch	5 mins
Q & A	10 mins

# Background & Context



On November 10, 2022, TECHNATION Canada hosted Canada Health Infoway to hold an information sharing webinar regarding the details of the upcoming interoperability Projectathon for 2023. This trimmed recording contains the details of that session.

# Scope

Vendors will have an opportunity to test and demonstrate capabilities in two distinct areas of the specification:

- A. Document format and content,
- B. Secure, exchange transactions.

# A. Testing for Document Format and Content

The PS-CA FHIR Content Data model will be tested using a combination of test data and validation tooling. To consider:

- ❖ The **PS-AB and PS-ON specifications are very closely aligned to the PS-CA** and should be supported by minimal configuration of capability in the vendor systems.
- ❖ The test cases will highlight where configuration is needed and test that it is applied properly, based on claimed vendor conformance.
- ❖ The Projectathon will offer an assessment of the FHIR document against the ON and AB implementation guidance as represented in the PS-ON and PS-AB specifications, in addition to the PS-CA.

Conformance Expectations – Patient Profile

Default Code Configuration

PS-CA	PS-AB	PS-ON
<a href="#">meta.profile</a>	No constraints	Always supply <a href="#">meta.profile</a> (implementation detail)
<a href="#">identifier</a>	Demonstrate you can supply JHN & MRN slices modeled	Always supply an identifier (implementation detail) At least one identifier must be a JHN (implementation detail)
<a href="#">.name</a>	Always supply a name	Always supply a name
<a href="#">name.text</a>	Demonstrate you can supply	Always supply <a href="#">name.text</a> (implementation detail)
<a href="#">name.family</a>	Demonstrate you can supply	Always supply <a href="#">name.family</a> (implementation detail)
<a href="#">name.given</a>	Demonstrate you can supply	Demonstrate you can supply
<a href="#">telecom</a>	Encouraged but not must support	Encouraged but not must support
<a href="#">gender</a>	Always supply a gender	Always supply a gender
<a href="#">birthDate</a>	Always supply a birthdate	Always supply a birthdate
<a href="#">address</a>	Encouraged but not must support	Encouraged but not must support
<a href="#">contactPoint</a>	Encouraged but not must support	Encouraged but not must support

## B. Testing Secure, Exchange Transactions

Implementation patterns may differ from jurisdiction to jurisdiction and information exchange channels may vary in terms of their security footprint.

Therefore, the Projectathon test cases have been organized into two categories:

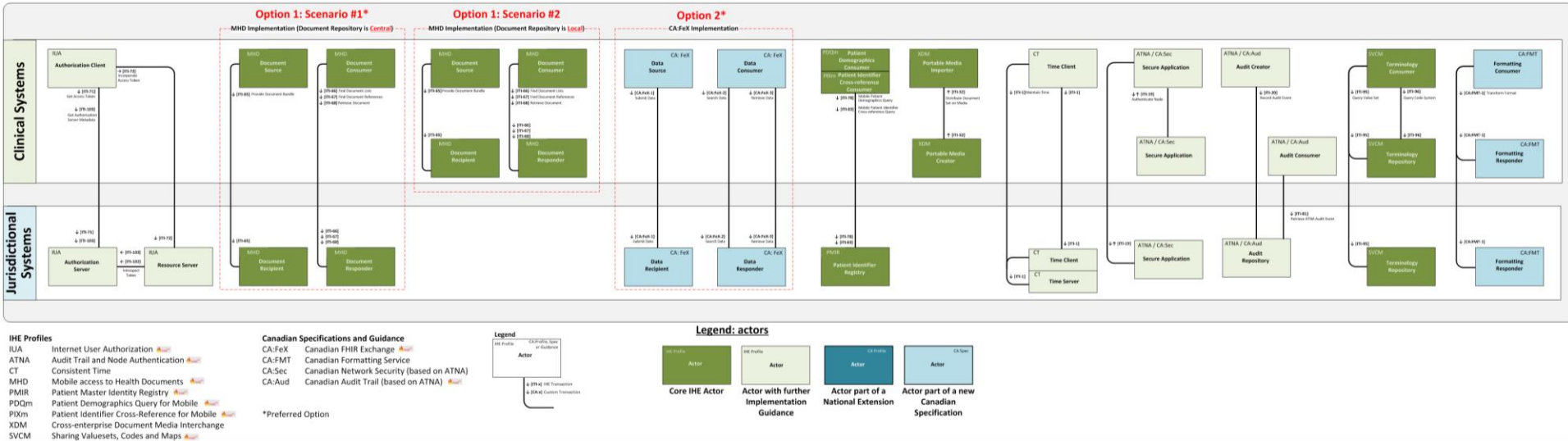


**Category 1** - Test cases that test **individual actor capabilities in isolation**, e.g., how a system can handle encrypted transactions, how a system can handle a CA:FeX transaction, how a system can handle an OAuth 2 token exchange, etc.



**Category 2** - Complex test cases that **group individual actor capabilities with other relevant actor capabilities to simulate real world scenarios**, e.g., how a patient summary creator system can submit the document to a repository by using an OAuth 2 integration, etc.

# Reference Architecture Overview



This high-level view contains a superset of profiles that offer alternatives to exchanging the Patient Summary-CA depending on jurisdictional service type and availability. **Mandatory and optional capability support** is described in the sequence diagrams associated with each use case analysis.



# Integration Profiles

Profile	Actors Involved
CA:FeX	<ul style="list-style-type: none"> <li>• Data Source</li> <li>• Data Consumer</li> <li>• Data Recipient</li> <li>• Data Responder</li> </ul>
MHD	<ul style="list-style-type: none"> <li>• Document Source</li> <li>• Document Recipient</li> <li>• Document Consumer</li> <li>• Document Responder</li> </ul>
IUA	<ul style="list-style-type: none"> <li>• Authorization Client</li> <li>• Resource Server</li> <li>• Authorization Server</li> </ul>
CA:Sec (Canadian Implementation Guidance of ATNA)	<ul style="list-style-type: none"> <li>• Secure Application</li> </ul>
CA:Aud (Canadian Implementation Guidance of ATNA)	<ul style="list-style-type: none"> <li>• Audit Creator</li> <li>• Audit Record Repository (ARR)</li> <li>• Audit Record Forwarder</li> <li>• Audit Consumer</li> </ul>
CT	<ul style="list-style-type: none"> <li>• Time Client</li> <li>• Time Server</li> </ul>

# **Gazelle Demonstration and Registration**

# Four Phases of Projectathon 2023



1

## REGISTRATION

The purposes of registration are to:

- Register your organization, if needed
- Register your system in the testing platform
- Identify which profile/actor role(s) your system will support

2

## PRE-PROJECTATHON TESTING

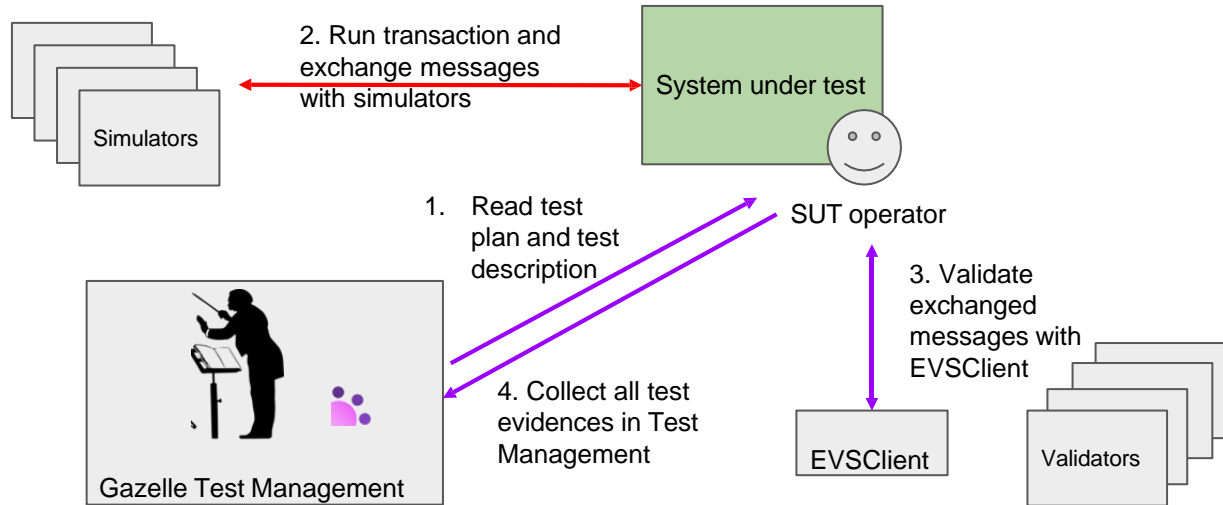
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## CONNECTIVITY TESTING

The purpose of pre-Projectathon and Connectivity testing is to:

- Become familiar with Gazelle prior to the Projectathon, including how to access and use Gazelle simulators to perform testing
- Test the IHE profile implementations in your system using Gazelle and to find and fix issues
- Improve the quality of testing prior to the Projectathon

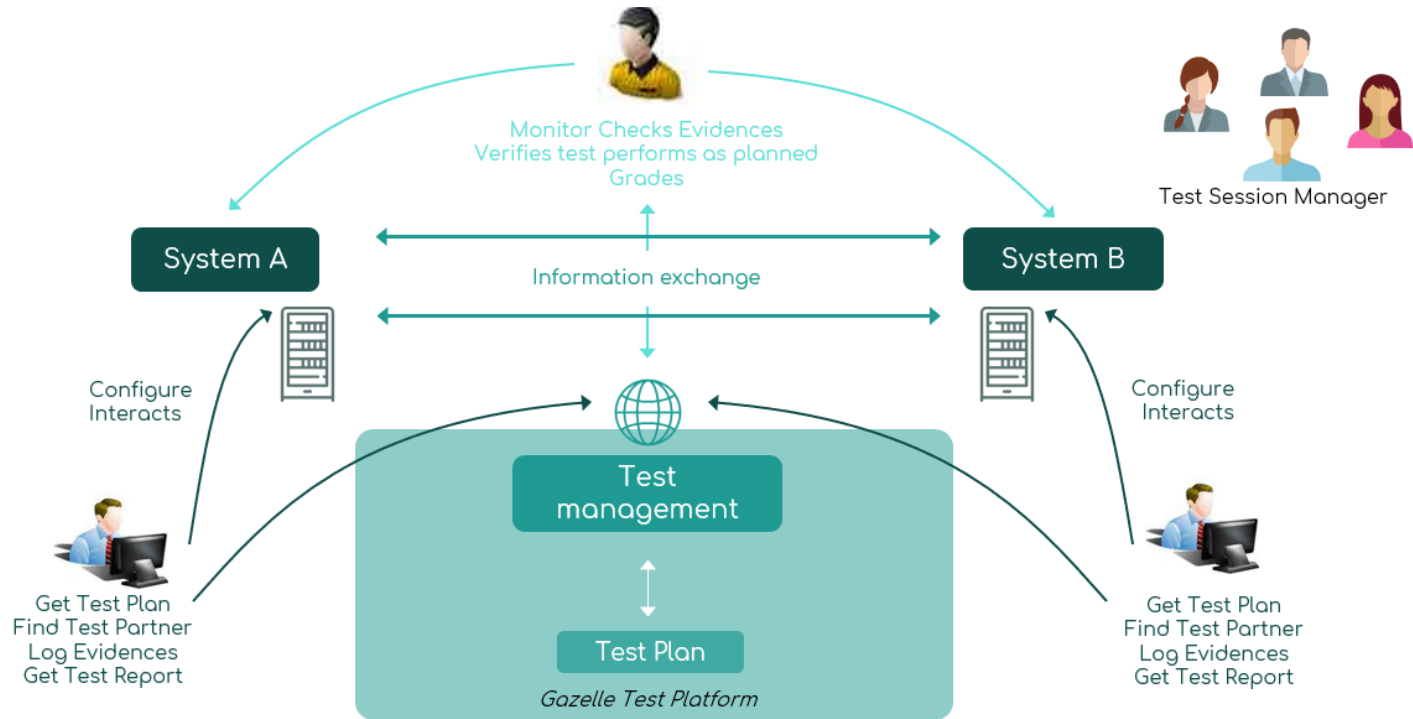
# Pre-testing Phase



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## PROJECTATHON

# Projectathon





# Gazelle Test Bed

- A suite of virtual tools, developed by IHE Europe used to support interoperability testing
- Includes simulators and validators that enable interoperability and conformance testing
- Allows jurisdictions and vendors an opportunity to validate the role they will be playing in an ecosystem and ensure they are able to satisfy the interoperability requirements
- Offers several self-serve, self-test and innovation opportunities for jurisdictions and vendors to test their alignment to the represented integration profiles

The Canadian version of the Gazelle interoperability testing platform will be used during the Projectathon.

# Gazelle for Canada

The pan-Canadian test bed can be accessed at: <https://pancanadianio.ca>

Dedicated instance  
of the Gazelle  
testing tools

Adapted to test the  
PS-CA  
Specifications

Contains all of the  
tools required to  
prepare systems  
for the  
Projectathon

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## REGISTRATION

# Gazelle Demonstration & Registration

# Registering for the Projectathon

1. Register on Gazelle Test Management at:  
<https://pancanadianio.ca/gazelle/home.seam>
2. If you are a new participant, create a new organization and account in Gazelle Test Management.
3. If not already selected, choose the test Session titled **Gazelle – PAN-Canadian-Projectathon-2023**
4. Register your system for available profiles and actors

For more information on registering your system, visit:

<https://pancanadianio.ca/gazelle-documentation/test-management/user.html#registration-process>

# Projectathon 2023

Orientation of Preparation

Materials and Tooling Overview

# Calendar



Jan 12 – Feb 17  
Registration Period



Jan 12: Registration Webinar

Feb 1 – Mar 15  
Pre-Projectathon Testing Period

On-demand webinars for tooling support



Feb 1: Pre-Projectathon Testing Webinar

Feb 28 – Mar 15  
Connectivity Testing Period



Feb 28: Connectivity Testing Webinar



Mar 15: Q&A Webinar

Projectathon



Week of Mar 20



Canada Health Infoway



## Connect with Us!

Chat with us via the Patient Summaries Working Group on InfoCentral

<https://infocentral.infoway-inforoute.ca/en/collaboration/wg/patient-summaries>

Email us at [Interoperability@infoway-inforoute.ca](mailto:Interoperability@infoway-inforoute.ca)



# QUESTIONS







**Canada Health Infoway**

# Thank you!

**To learn more about the Projectathon 2023, visit:**

<https://infoscribe.infoway-inforoute.ca/display/PCI/Projectathon+March+2023>

**Contact Information:**

[interoperability@infoway-inforoute.ca](mailto:interoperability@infoway-inforoute.ca)

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