



Canada Health Infoway

Pan-Canadian Projectathon

Connectivity Testing Webinar

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Powered by IHE  CATALYST



Agenda

















Welcome & Testing Update	5 min
Connectivity Testing <ul style="list-style-type: none"> • Projectathon 2023 Schedule • Objectives & Requirements • Connectivity Test Process 	40 min
Next Steps	5 min
Q & A	10 min

Testing Update

- ❖ The PS-CA FHIR Content Data model will be tested using a combination of test data and validation tooling.
- ❖ To ensure that vendors have sufficient time to prepare for the Projectathon, Infoway asks that vendors only validate against PS-CA and PS-ON.

Conformance Expectations – Patient Profile

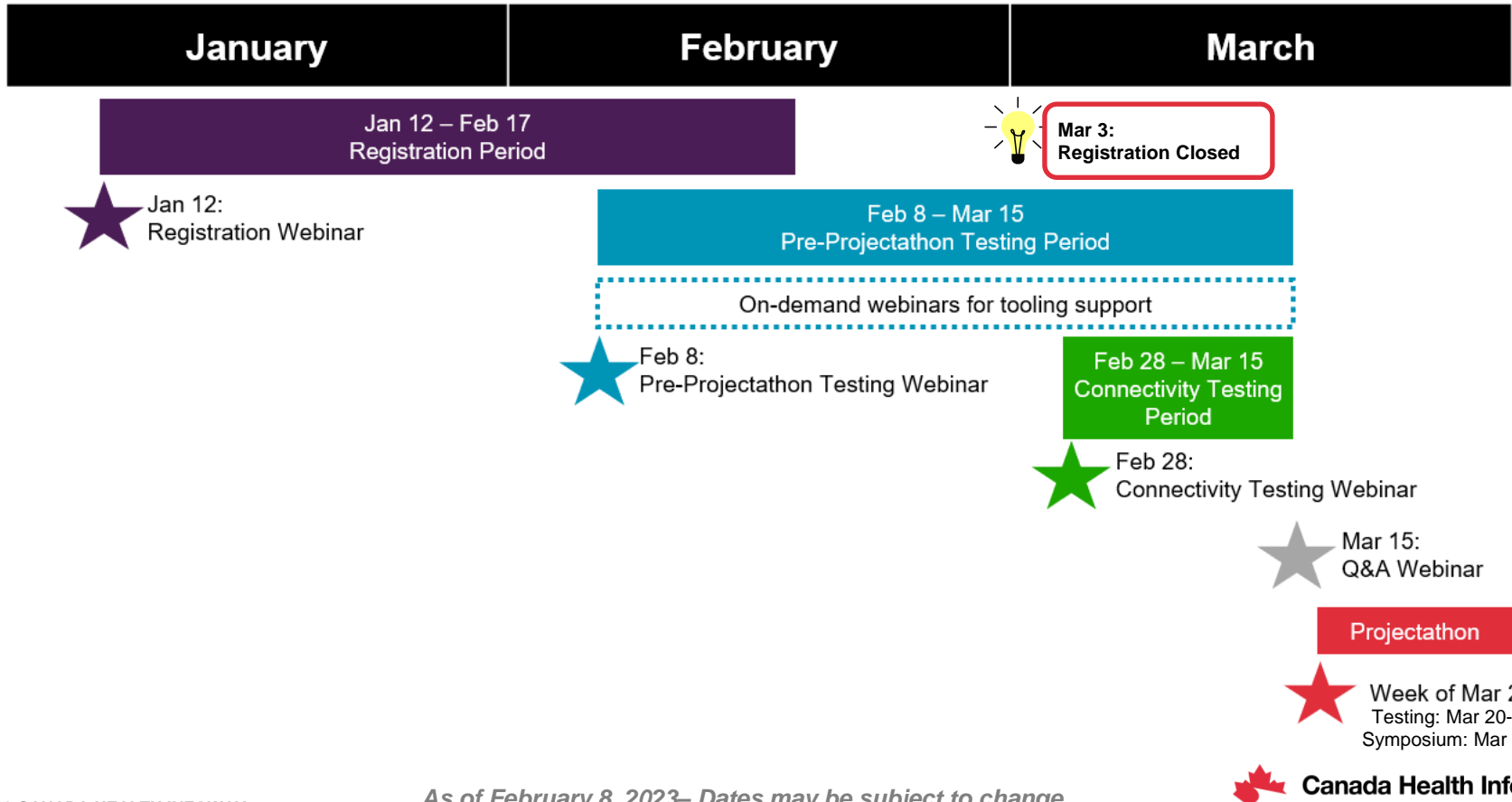
 Default Code  Configuration

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

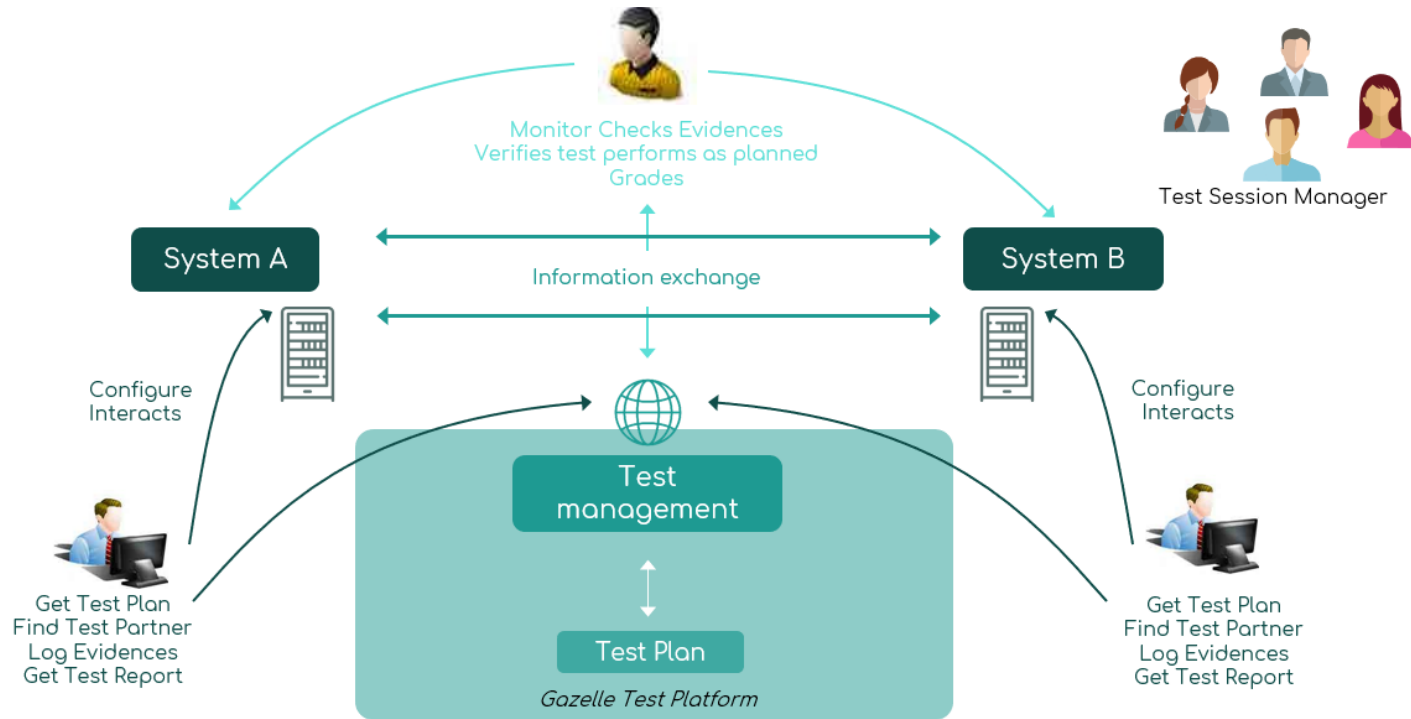
Connectivity Tests

Objectives & Requirements

Projectathon 2023 Schedule



Projectathon



Prerequisites

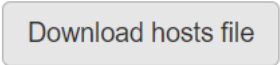
- ✓ All Systems up and running on internet with a **public IP address**
- ✓ Must be registered in Gazelle TM
 - ✓ All nodes as hosts (FQDN + IP address for each)
 - ✓ All Configurations of implemented actors

Connectivity Test Process

Process Overview

- 1** Get the host white-list for firewall configuration
- 2** Get the configuration list to verify
- 3** Perform connectivity-test on each entry
- 4** Report connectivity status to the technical manager

Step 1: Get the host white-list for firewall configuration

- Get the host white-list from Gazelle Test Management
 - Menu Configurations
 - Network configuration overview
 - then click button: 
 - The *hosts file* will list all nodes that are part of the « online-test- network » for the event
 - Can be used as data source to configure your firewall
 - Can be used as hosts file in case of DNS delay or issue
- Update or verify your Firewall configuration

Step 2: Get the configuration list to verify

- Get the list of all listening actors for the event
- Menu: Configurations > All configurations
 - Remove the filter on the organization
 - Focus on approved configuration only
 - At the bottom of the page, click on the link **Export as Excel file**

Configurations

Search Criteria ↻ ✕

Organization Keyword	Show all	✕
System	Show all	✕
Actor	Show all	✕
WS Transaction Usage	Show all	✕
Type	Show all	✕
Approved	(1) Yes	✕
is Secured ?	Show all	✕

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

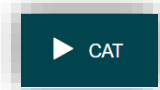
Add a config. Generate configs for selected session...

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.

Sys	Table	Type	Actor	Host name	IP	Port	is Secured ?	Details
OTHER_DHO_DEMO1 / DHO	Webservice	CA:FeX - Recipient	dho2	10.52.25.33	80(10109)	<input type="checkbox"/>		CA:FeX-1:Submit

Step 2: Get the configuration list to verify

- It is recommended to focus on test partners you have identified that will or may be involved in the tests you have to perform
 - To see your test plan, go to:
 - Menu: Connectathon > Connectathon > Connectathon
 - Or, you may access via the shortcut button  on the top right
 - Filter the configurations either before or after the excel export

Step 3: Perform connectivity-test on each entry

- For each entry in the configuration sheet:
 - Perform a connectivity test from the running system's environment to verify if the described configuration is reachable by your system
 - Test using the IP address
 - Test with the host name to also verify DNS resolution
- Do this by **either**:
 - Perform a real IHE Transaction
 - no expectation on the functional result at this stage
 - The connection must have been established
 - Use tools from the machine/environment on which your system is deployed
 - Telnet, nmap, nc, ping (for host), etc.

Step 3: Perform connectivity-test on each entry

- IHE Europe has developed a script to help you performing the connectivity-tests:
 - <https://gitlab.inria.fr/gazelle/specific-tools/connectivity-test-scripts>
 - Design to process the Configuration CSV file as input
 - Works on Windows and Unix
 - Read instructions in the README

Step 4: Report to the technical management team

- Why it is important to report to the technical management team:
 - Aggregate test results and share them with the participants
 - Share specific information about the:
 - The issues faced
 - The overall network status
 - Identify issue patterns
- Technical management can arbitrate on connectivity conflicts

Step 4: Report to the technical management team

- Report your connectivity results to the technical management team
- One file per initiating system, list all test entries with result PASSED or FAILED for:
 - Testing against the IP address
 - Testing against the host name
- Reuse the Excel/CSV file from Gazelle Configuration
 - Add columns: “IP test result” and “Host test result” for each entry you have tested
 - Remove lines that were not of interest to you

Next Steps

- Complete the Registration process (if not already completed). **Registration will officially close on March 3rd**. Thank you to those who have registered!
- Complete Pre-Projectathon testing by March 15th.
- Provide certificate information – required prior to Connectivity Testing (send to interoperability@infoway-inforoute.ca)
- Complete Connectivity testing by March 15th.
- Contact us for any questions and/or support related to the Projectathon registration and testing



Reminder:
Personal Health Information must not be included in any Projectathon testing.



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

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QUESTIONS

