Test Tools and Training: Projectathon 2023

> **Welcome to the Projectathon 2023 Tools and Training page!**
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> **NOTE: The Projectathon 2023 event has been completed. The final report is available here.**
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> This page will provide you with details about the tools and other supporting materials that will be used for the pre-Projectathon testing and during the Projectathon event.

Welcome to the Projectathon 2023 Tools and Training page.

Tool	Description	Tool Links	Training Material
Gazelle Testing Platform	Gazelle is the primary testing tool. This platform allows vendors to test and prove that their products align with the published specifications. From the Gazelle home page, you may access training/support documentation for Gazelle and other tools/utilities included within Gazelle, by clicking on the respective PDF icon.	• Gazelle Testing Platform: https://pancanadianio.ca/	Gazelle Test Management User Guide
CA:FeX Client & Server Simulator	CA:FeX Client Simulator: A web application, based on the Swagger UI, used to simulate the CA:FeX clients. It is used for no-peer testing of server-side implementation during the Projectathon. CA:FeX Server Simulator: FHIR REST APIs used to simulate CA:FeX servers. Used for no-peer testing of client-side implementation during the Projectathon. The APIs are accessible using two endpoints: with and without authorization.	• CA:FeX Client Simulator: https://ps-swagger.apibox.ca/?spec=PS-CA_(CA-FeX) • CA:FeX Server Simulator (REST API endpoints): ○ without authorization: **https://pancanadianio.ca:10001/cafex** ○ with authorization: **https://pancanadianio.ca:10001/cafex-iua**	Training Video: CA:FeX Simulators Projectat...ators.pdf
MHD Client & Server Simulator	MHD Client Simulator: A web application, based on the Swagger UI, used to simulate the MHD clients. It is used for no-peer testing of server-side implementation during the Projectathon. MHD Server Simulator: FHIR REST APIs used to simulate MHD servers. Used for no-peer testing of client-side implementation during the Projectathon. The APIs are accessible using two endpoints: with and without authorization.	• MHD Client Simulator: https://ps-swagger.apibox.ca/?spec=PS-CA_(MHD) • MHD Server Simulator (REST API endpoints): ○ without authorization: **https://pancanadianio.ca:10001/mhd** ○ with authorization: **https://pancanadianio.ca:10001/mhd-iua**	Training Video: MHD Simulators Projectat...ators.pdf
PS-CA FHIR Renderer	A web application deployed in the AWS Sandbox. It reads a Patient Summary in structured FHIR format and renders it in a human readable form. This tool can be used by vendors to verify that a Patient Summary includes all the expected clinical data.	• PS-CA FHIR Renderer: https://ps-ca-renderer.apibox.ca/	Training Video: FHIR Renderer Projectat...derer.pdf

FHIR Validator	An online FHIR validator tool to structurally and semantically verify a FHIR instance against its FHIR profile. Based on the Inferno tool (https://github.com /onc-healthit/inferno), it includes a Web UI and a REST API endpoint.	- FHIR Validator UI and REST endpoint: - Web UI: https:/ /inferno-validator-app. apibox.ca/ - REST endpoint: https: //inferno-validator. apibox.ca/	Training Video: FHIR Validator Projectat...dator.pdf Expected Errors or Warnings: This document includes a list of expected errors or warnings which may occur during testing with the FHIR Validator.
IUA Simulators	Simulators for the IUA (Internet User Authorization) IHE profiles. It includes a Client-side simulator UI and a Server-side simulator based on Keycloak.	- IUA Simulators: - Client-side simulator UI: ht tps://iua. apibox.ca/ - Server-side simulator: **https://pancan adianio.ca: 10100/auth /realms/ps-ca/**	Training Video: IUA Simulator Projectat...ators.pdf