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Projectathon Tooling

FHIR Validator

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What is the FHIR Validator?

❖ **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.
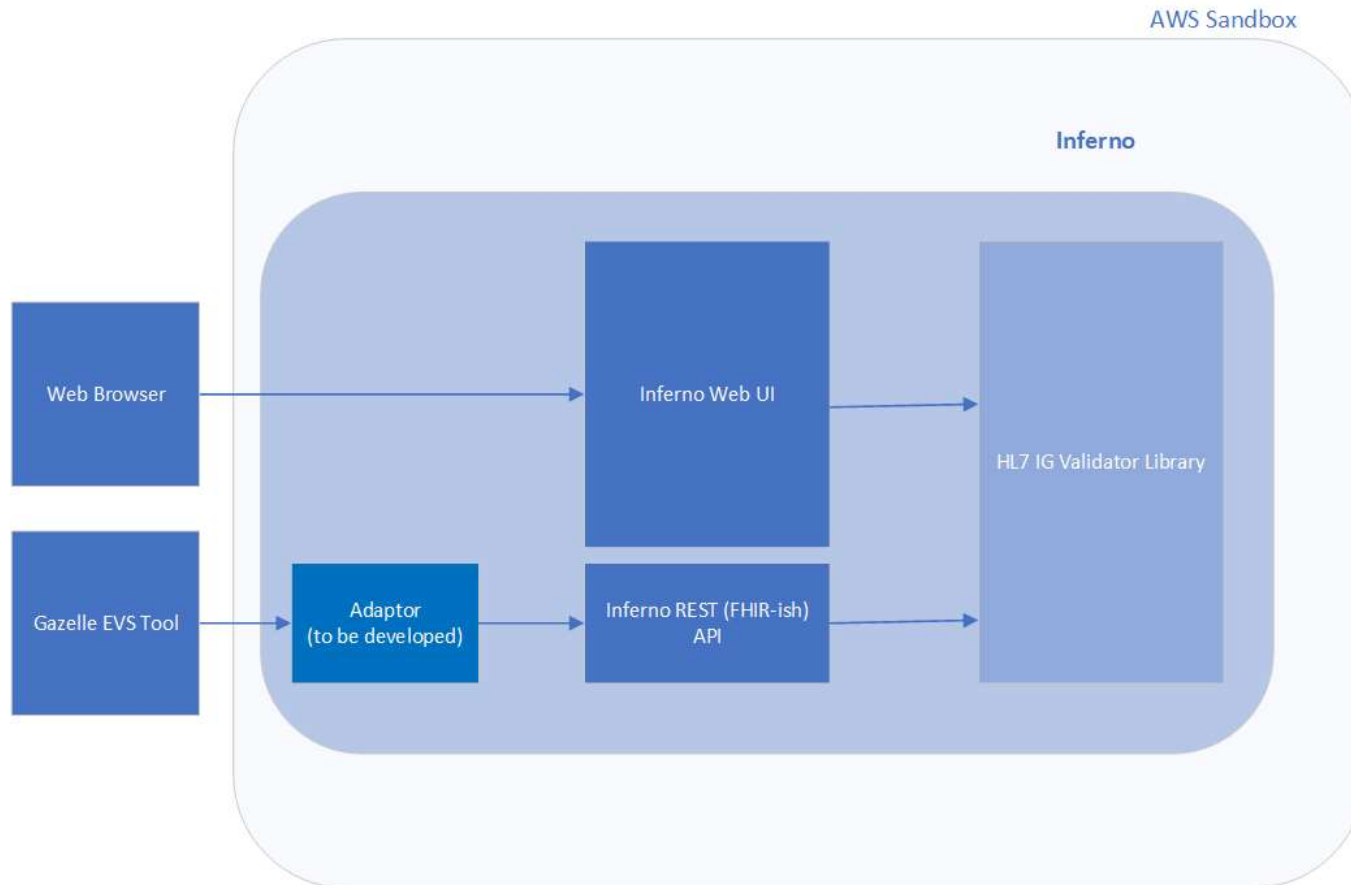
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Training Objectives

This training video aims to meet the following objectives:

- ✓ Provide an understanding of the FHIR Validator Web UI**, how** to use it, **when** to use it, and **where** to access it

- ✓ Provide an understanding of the FHIR Validator REST endpoint**, how** to use it, **when** to use it, and **where** to access it

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FHIR Validator Architectural Overview

When to use the FHIR Validator UI

The **FHIR Validator UI** can be used:

❖ to **interactively** validate FHIR Resource instances. The FHIR resources must be available in JSON or XML format and the tool verifies that they conform syntactically and semantically to their respective FHIR profile

❖ this is a generic FHIR validation tool, that will be used during the upcoming Projectathon to validate Patient Summary document bundles

❖ the FHIR Validator UI can be used to support no-peer testing of FHIR exchanges, as part of CA:FeX and MHD transactions, and will be used by monitors during the Projectathon to verify that the Patient Summary documents exchanged between peers are valid

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When to use the FHIR Validator REST endpoint

The **FHIR Validator REST endpoint** can be used:

❖ to **programmatically** execute validation of FHIR Resource instances

❖ this helps with integration scenarios where validation can be invoked by external programs or scripts. One example is the integration to Gazelle's External Validation Services (EVS) Client

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Where to Access the FHIR Validator

Validator	URL
FHIR Validator UI	https://inferno-validator-app.apibox.ca/
FHIR Validator REST API	https://inferno-validator.apibox.ca/validate
PS-CA FHIR profiles	https://simplifier.net/ps-ca-r1
PS-ON FHIR profiles	https://simplifier.net/on-patientsummary

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Tool Demonstration

FHIR Validator Web UI	**FHIR Validator REST endpoint**

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Thank you!

To learn more about the Projectathon 2023, visit:

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

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