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Projectathon Tooling

IUA Simulators

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What are the IUA Simulators?

❖ **IUA Simulators:** Simulators for the IUA (Internet User Authorization) IHE profile. Include a Client-side simulator user interface, and a Server-side simulator based on the Open Source Keycloak Identity and Access Management (IAM) solution

❖ Support for all the IUA options recommended in the pan-Canadian implementation guidance:

- OAuth2 / OIDC (**Authorization Code** and **Client Credential** grant types)
- JSON Web Tokens (**JWT**)
- Extended Security Features: Proof Key for Code Exchange (PKCE), State and Nonce

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Training Objectives

This training video aims to meet the following objectives:

✓ Provide an understanding of the **IUA Simulators** (Client-side UI, and Server-side)**, how** to use them, **when** to use them, and **where** to access them

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When to use the IUA Simulators

The **IUA Simulators** can be used by vendors:

- ❖ during preparatory no-peer tests of the IHE IUA profile, when a test partner is not available for peer testing

- ❖ during preparatory no-peer tests of the MHD or CA:FeX profiles, using the MHD or CA:FeX Simulators, with authorization based on access tokens

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IUA Transaction Flows
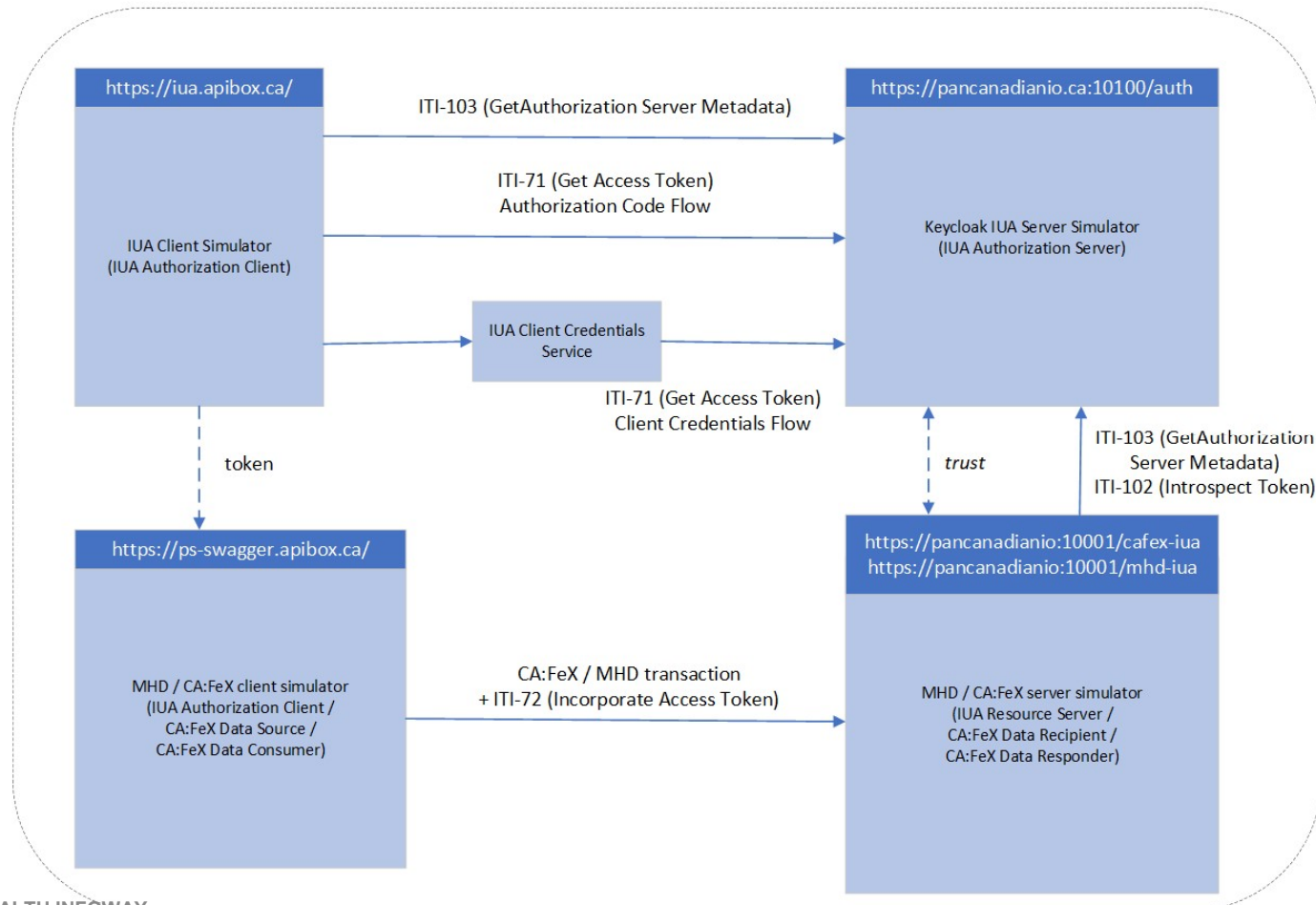
Where to Access the IUA Simulators

Simulator	URL
IUA Client Simulator	https://iua.apibox.ca
IUA Authorization Server Simulator	https://pancanadianio.ca:10100/auth/realms/ps-ca/
IUA Resource Server (CA:FeX)	https://pancanadianio.ca:10001/cafex-iua
IUA Resource Server (MHD)	https://pancanadianio.ca:10001/mhd-iua
IUA Client Simulator (grouped with CA:FeX and MHD, for ITI-72)	https://ps-swagger.apibox.ca

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Tool Demonstration

IUA
Client –side
Simulator UI

IUA Server-
Side Simulator

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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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