“What goes on in an IHE Connectathon/Projectathon/Plugathon?”

Live Webinar
Starting Soon

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Canada's Interoperable Healthcare Ecosystem

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Integrating the Healthcare Enterprise (IHE) Canada

“What goes on in an IHE Connectathon/Projectathon/Plugathon?”

Agenda

- 2025 IHE NA Connectathon
- Webinar Schedule for 2024/2025
- Introductions
- IHE Connectathons - Daniel Berezeneau
- Pan-Canadian Projectathon - Attila Farkas
- Panel Discussion on Plugathons and IHE Experience Days
- Q & A

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IHE Canada 2024/2025 Webinar Series

- Nov 21 – What goes on in an IHE Connectathon/Projectathon/Plugathon?
- Feb 13 – How can IHE help with creating standards/specifications that can be utilized for jurisdictional or nationwide RFPs? and IHE NA Connectathon Update.
- Apr 17 – Looking for Interoperability, How to read and use an IHE Technical Profiles or Supplements?
- June 19 – HL7 FHIR and IHE Technical Supplements, a match made to enable interoperable workflows!

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JOIN THE CONVERSATION

Webinar Question & Answer

Submit your questions through the Q&A Window at the bottom of the webinar control panel.

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IHE North America Connectathon Week 2025

Register Now

February 3-7, 2025
InterContinental Toronto Centre

TORONTO FEBRUARY 3-7 2025
IHE NORTH AMERICA CONNECTATHON

TORONTO FEBRUARY 3-7 2025

IHE NORTH AMERICA CONNECTATHON

Hosted by Canada Health Infoway and organized in partnership with IHE USA and IHE Canada, with support from IHE Catalyst, IHE International, HIMSS, and RSNA.

The biggest and most important global gatherings for health IT interoperability testing. It's a fantastic opportunity to connect, learn, and collaborate with industry peers, all while leading the charge in digital health innovation.

CONNECTATHON

Benefit from a unique non-competitive testing environment where you can collaborate with colleagues from around the globe and experience an unparalleled opportunity to leverage the expertise of top industry professionals to advance your health IT solutions.

PROJECTATHON

Test and validate your systems' interoperability in a pan-Canadian testing environment. Engage in rigorous testing and collaborative problem-solving to ensure your digital health solutions can seamlessly integrate with systems nationwide.

PLUGATHON

Connect with innovators, share experiences, and test your interoperability readiness. Engage with a community of experts to innovate through real-time connections with the APIs of health IT product solutions, all in a standardized format.

EXPERIENCE DAYS

Experience Days offer a rich program of educational and networking opportunities, allowing attendees to gain insights from leading experts and connect with peers from around the world.

IHE USA CONNECTING THE WORLD. IHE Canada IHE INTERNATIONAL Integrating the Healthcare Enterprise Canada Health Infoway IHE CATALYST RSNA Radiological Society of North America HIMSS

Introductions

Our Speakers

DANIEL BEREZEANU

GAZELLE PROJECT MANAGER FOR IHE CATALYST

ATTILA FARKAS

CHIEF INTEROPERABILITY STRATEGIST AT CANADA HEALTH INFOWAY

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Our Speakers

DANIEL BEREZEANU

Daniel Berezeanu, a dedicated healthcare technology enthusiast who's been passionately involved in the industry for nearly two decades!

A champion for healthcare interoperability, Daniel has been deeply involved in shaping healthcare standards. He served as the planning co-chair for IHE's ITI committee for four years and is the primary author of PIXm, a key component for patient identity management. His dedication to improving healthcare data exchange is evident in his four-year tenure on the IHE Board of Directors and his current role as co-lead of HL7's FAST FHIR testing and tools committee. Daniel also contributes his expertise to ISO/TC 215 (Healthcare Informatics) as Secretary of Working Group 11, focusing on Personalized Digital Health Informatics.

As the Gazelle Project Manager for IHE Catalyst, Daniel plays a crucial role in advancing healthcare interoperability on a global scale. He has been actively involved in Connectathons around the world, facilitating the testing and validation of healthcare IT systems to ensure seamless and secure data exchange.

IHE Connectathons: What is IHE

Integrating the healthcare enterprise (IHE) is an international health IT standards development and testing organization:

- Founded in 1997 by rsna and himss
- Association between vendors and users
- Develops and publishes standards-based implementation guides, called IHE profiles

Vision
To enable seamless and secure access to information whenever and wherever it is needed

Mission
To improve healthcare by providing specifications, tools and services for interoperability

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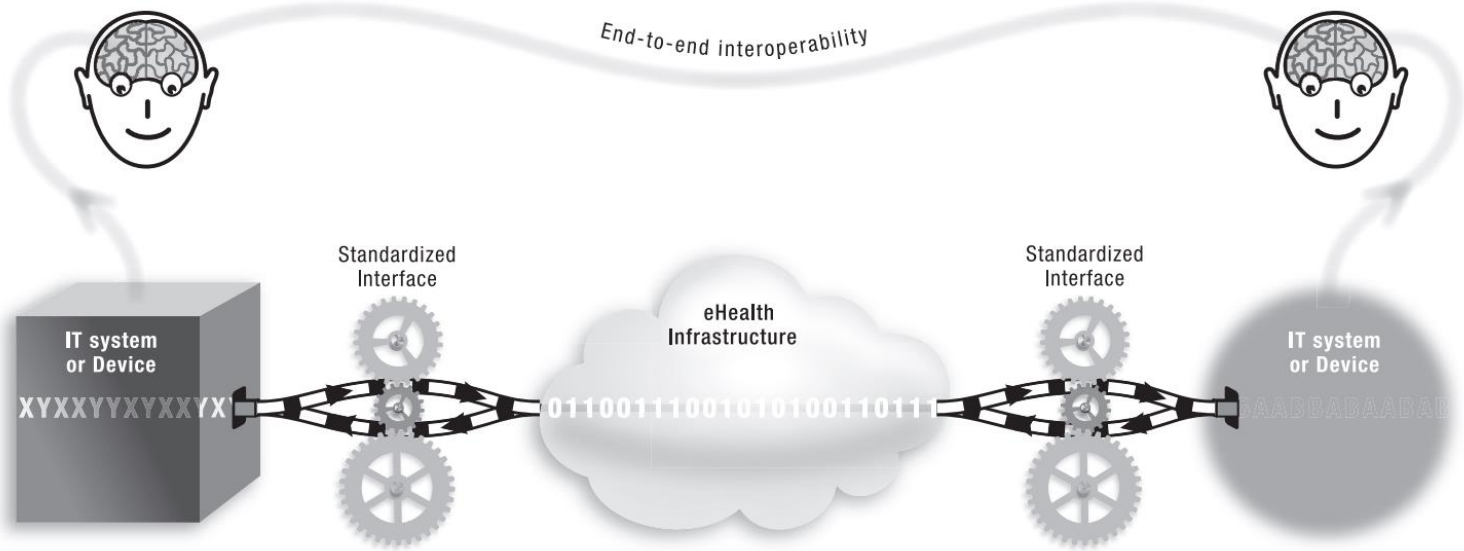
IHE Connectathons: What is IHE and interoperability?



- Interoperability is the capacity of a system to exchange data with another system, without the need for any of them to adapt itself.
- Interoperability is achieved by specifying the interfaces between the systems and which one to use for a particular use case

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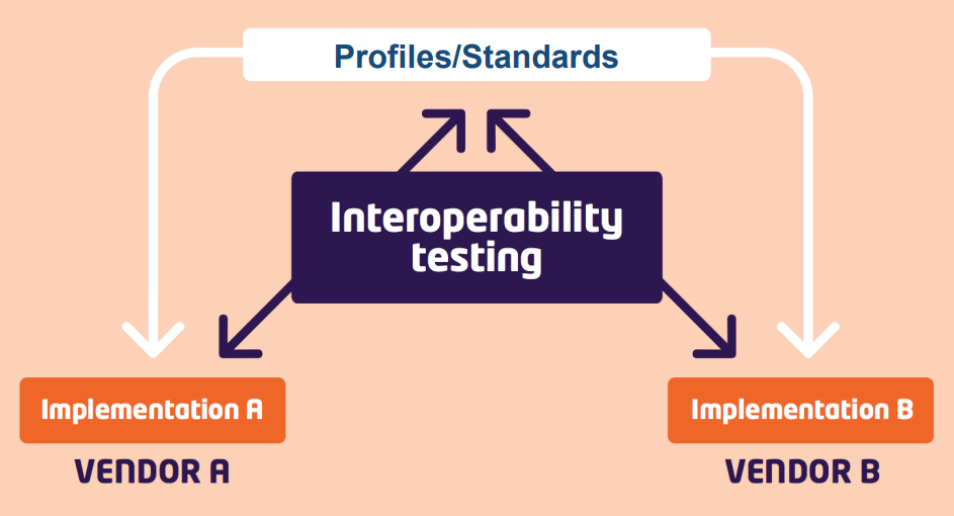
IHE Connectathons: Why do we need the IHE Connectathons?

- Test information exchange with other systems in a structured and supervised peer-to-peer testing environment
- Detailed validation of interoperability and conformance with IHE profiles
- Feedback loop to refine profile specifications
- Testing and debugging environment to remove barriers
- Successful outcomes are published in results repository as evidence of interoperability capabilities



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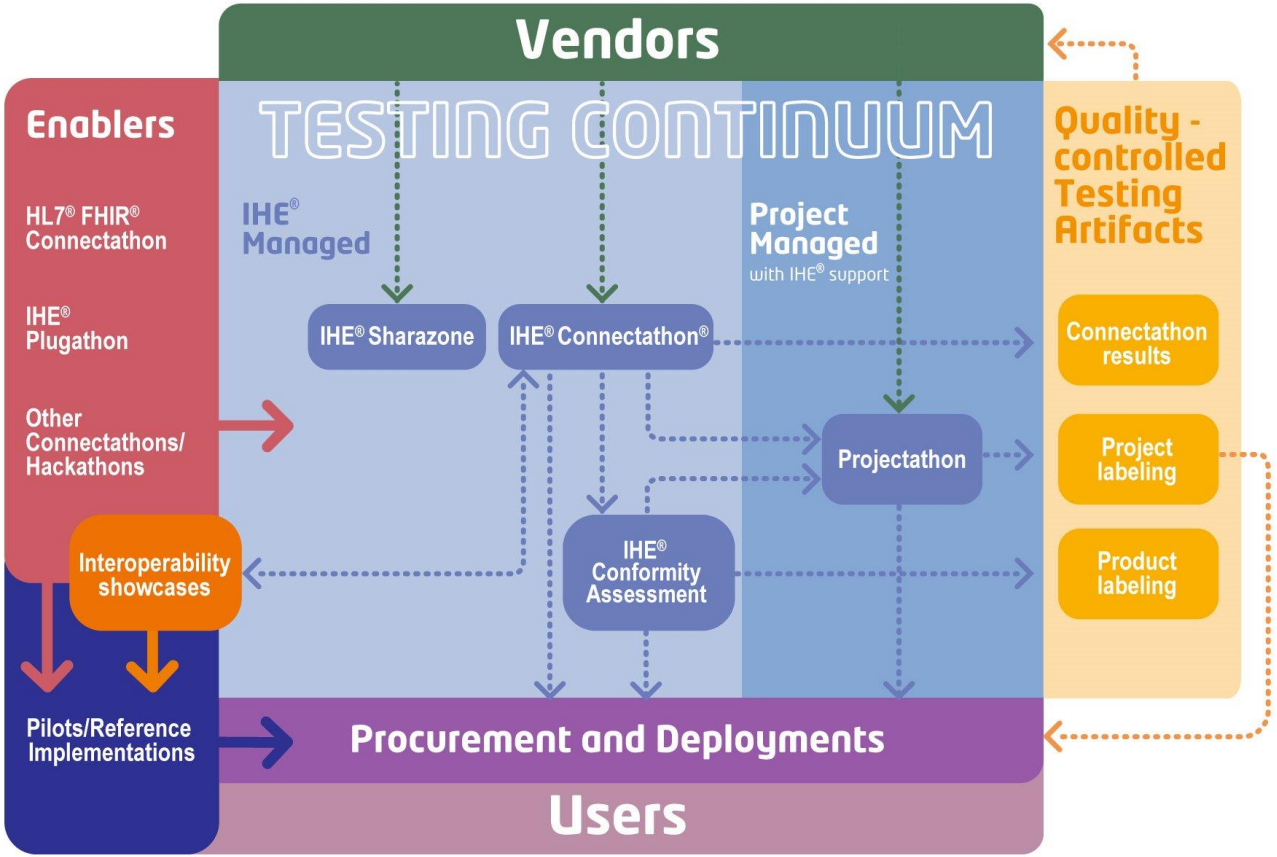
IHE Connectathons: Testing Continuum



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IHE Connectathons: Get your interoperability seal at an IHE Connectathon!

Why the SEAL - Advantages for Vendors

- It's granted to Vendors who have successfully completed testing of IHE profiles at an IHE Connectathon event. The indicator of quality in interoperability level of products.
- The IHE Connectathon SEAL stands as the exclusive, official international attestation provided by IHE, endorsing the quality of interoperability implementation in vendors' products.
- The presence of the SEAL logo on products and services is a formal indication of a vendor's conformity to established interoperability standards and its commitment in delivering solutions of a high standard quality to the users

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IHE Connectathons: What do we do there

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IHE Connectathons: Why participate ?

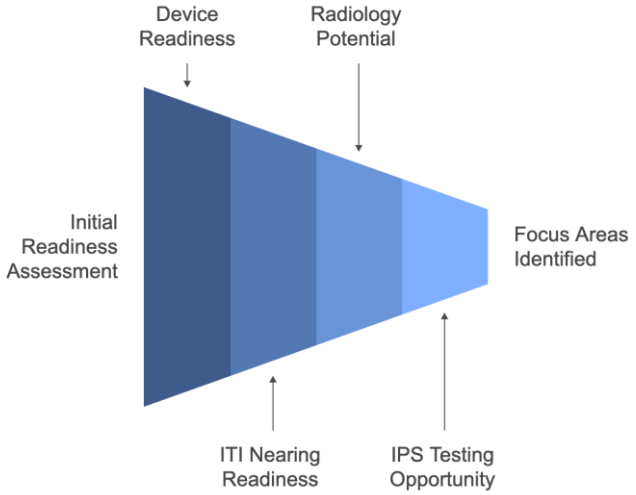
IHE NA Connectathon registration closes in gazelle December 11, 2024

Why the SEAL - Advantages for Vendors and

- Test interoperability capabilities with industry peers
- Enhance quality and interoperability of products
- Reduce development costs and time to market
- **Demonstrate leadership in interoperability**
- Prepare for demonstrations
- HIMSS Interoperability Showcase
- Get credit for successful testing in IHE Connectathon Results

Database: http://connectathon-results.ihe.net/

Component Readiness for Connectathon Testing



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Want to attend Connectathon week ?

Experience Days

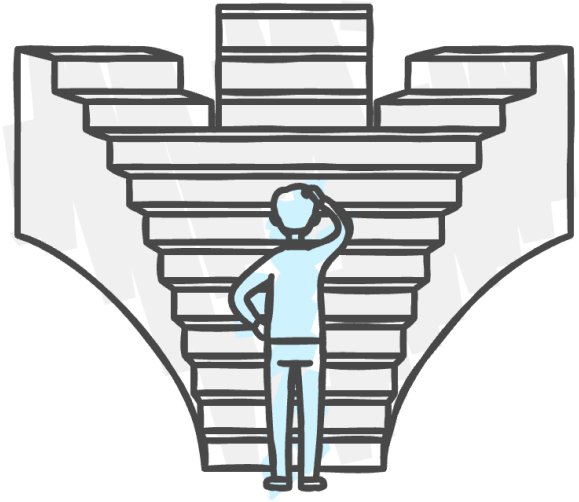
Evoke learning and knowledge sharing.

IHE Plugathon

Emphasize experimentation and collaboration.

IHE Connectathon

Focus on formality and rigor of testing.



Want to attend the Connectathon Week but not sure witch event if for your ?

IHE Plugathons: An overview

The Plugathon, a less formal counterpart to the rigorous Connectathon testing, encourages open exploration of emerging technologies and IHE profiles. The event is structured around dedicated tracks that cater to specific areas of interest, offering participants a platform to:

- **Learn**: Gain insights into emerging IHE profiles, particularly those based on the HL7 FHIR® standard, and explore their practical applications.
- **Share**: Exchange experiences and challenges encountered during the implementation of IHE profiles with peers and domain experts.
- **Test**: Evaluate preliminary prototypes in a controlled environment, leveraging tools like Gazelle simulators and validators, with support from experienced mentors.
- **Shape**: Contribute to the evolution of IHE profiles by providing feedback on existing implementations and identifying potential areas for improvement or new profile development.

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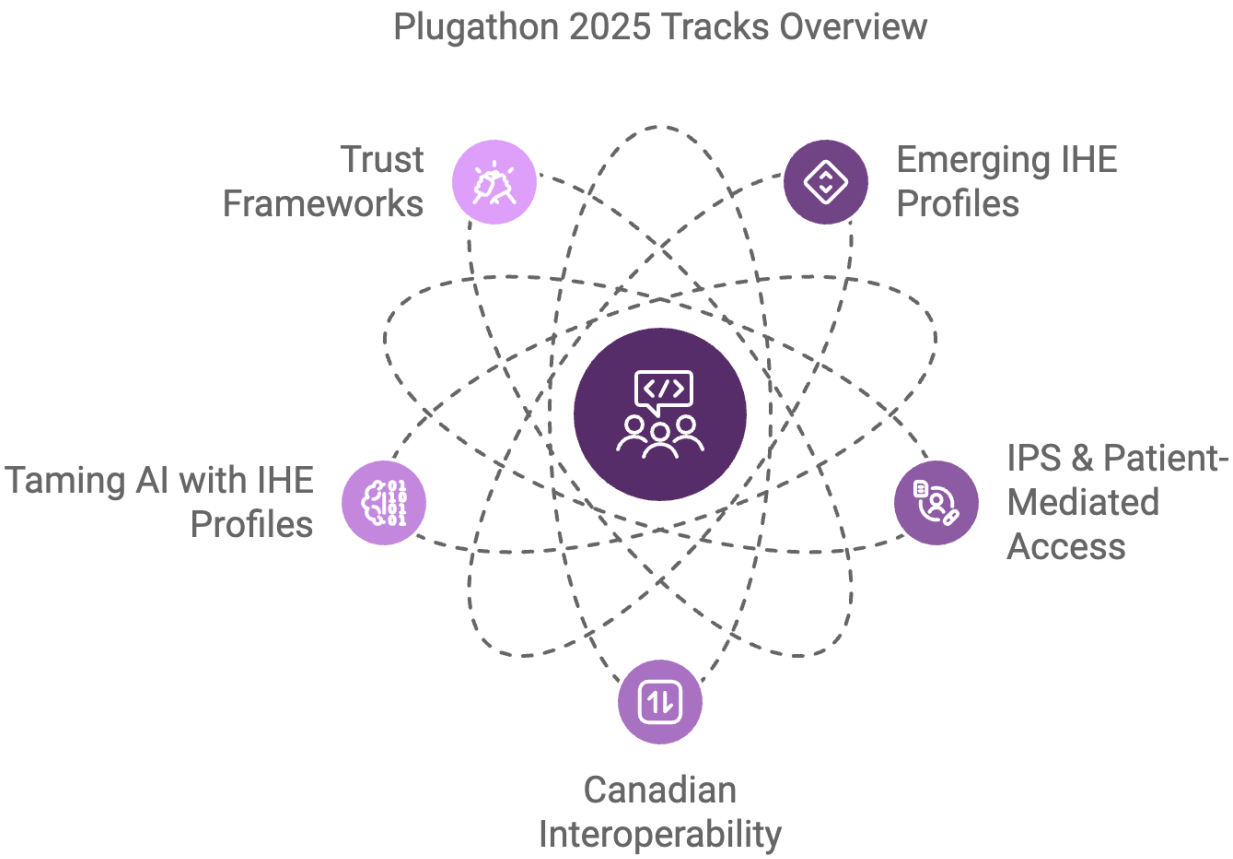
IHE Plugathon: 2025 proposed tracks



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Want to attend the Connectathon Week but not sure witch event if for your ?

Experience Days

Evoke learning and knowledge sharing.

Plugathon

Emphasize experimentation and collaboration.

Connectathon

Focus on formality and rigor of testing.

IHE Experience Days: An overview

Experience Days offer formal educational sessions on a broad range of IHE-related topics and best practices, providing attendees with a foundational understanding of IHE standards and implementation strategies

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IHE Experience Days: An overview

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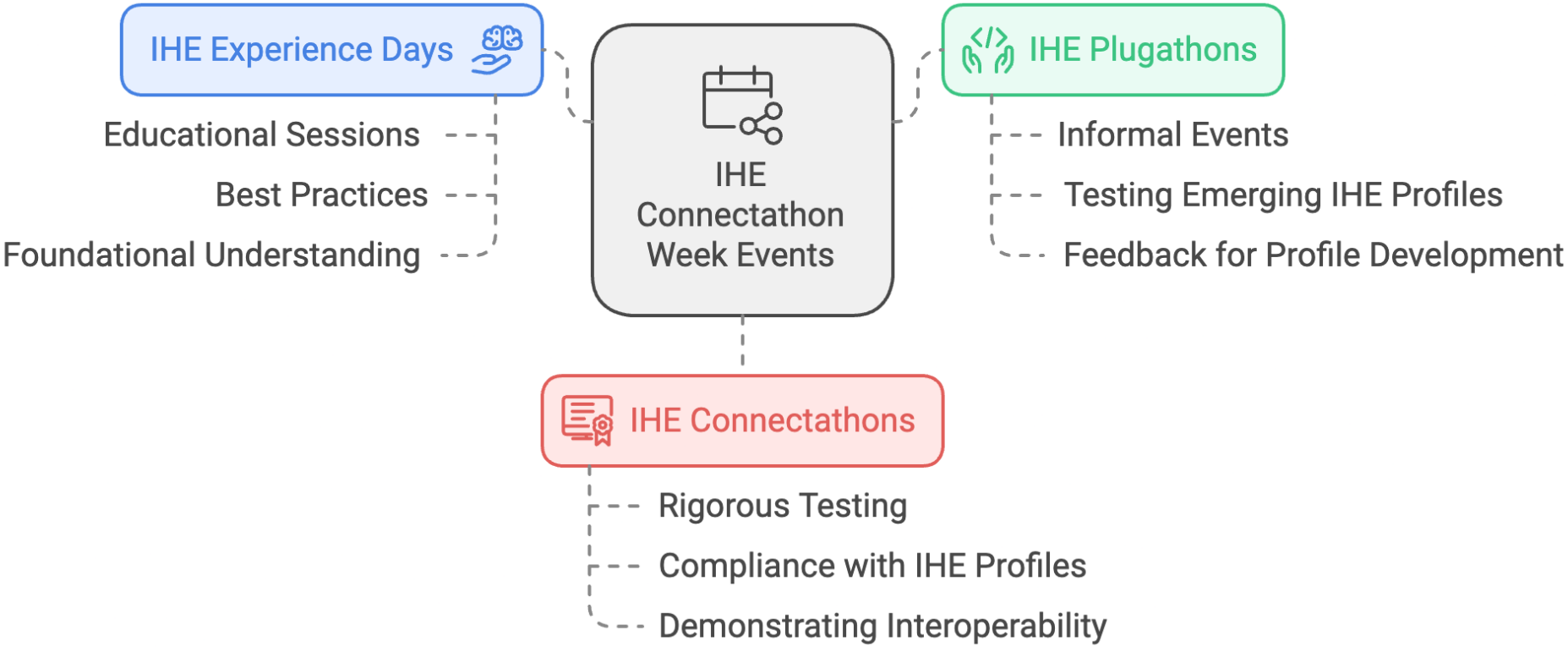
IHE Connectathon Week summary



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Our Speakers

ATTILA FARKAS

"Serving as the Chief Interoperability Strategist at Canada Health Infoway, Attila is responsible for the direction, alignment and focus of the interoperability components represented in the Shared pan-Canadian Interoperability Roadmap. Tapping into decades of experience in HIT product development for the private sector and over a decade in the public sector, Attila is focused on evolving the state of Digital Health in Canada through efforts that seek out and maintain alignment with global partners and international standard organizations."

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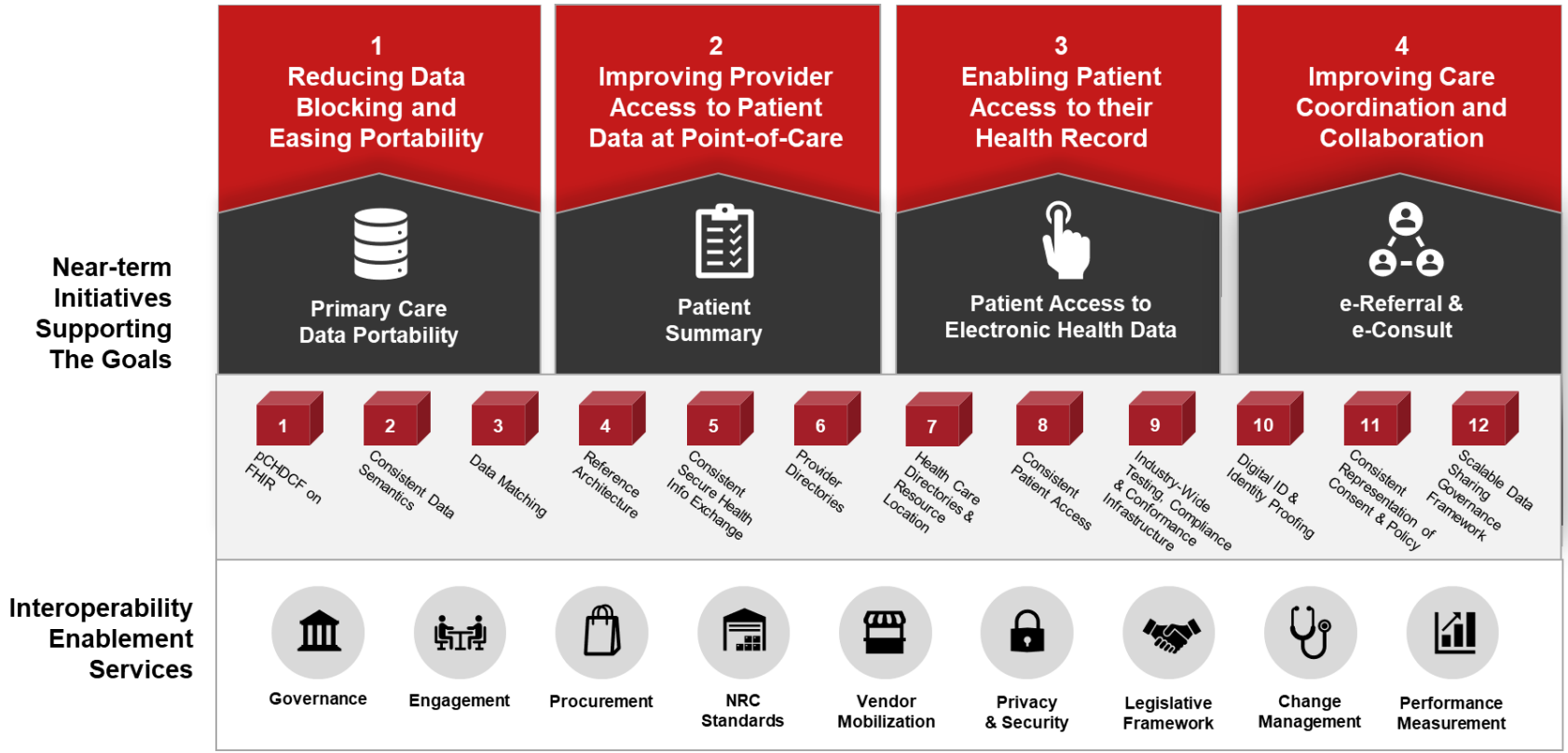
Pan-Canadian Projectathon

The Interoperability Roadmap: Shared workplan for Connected Care objectives



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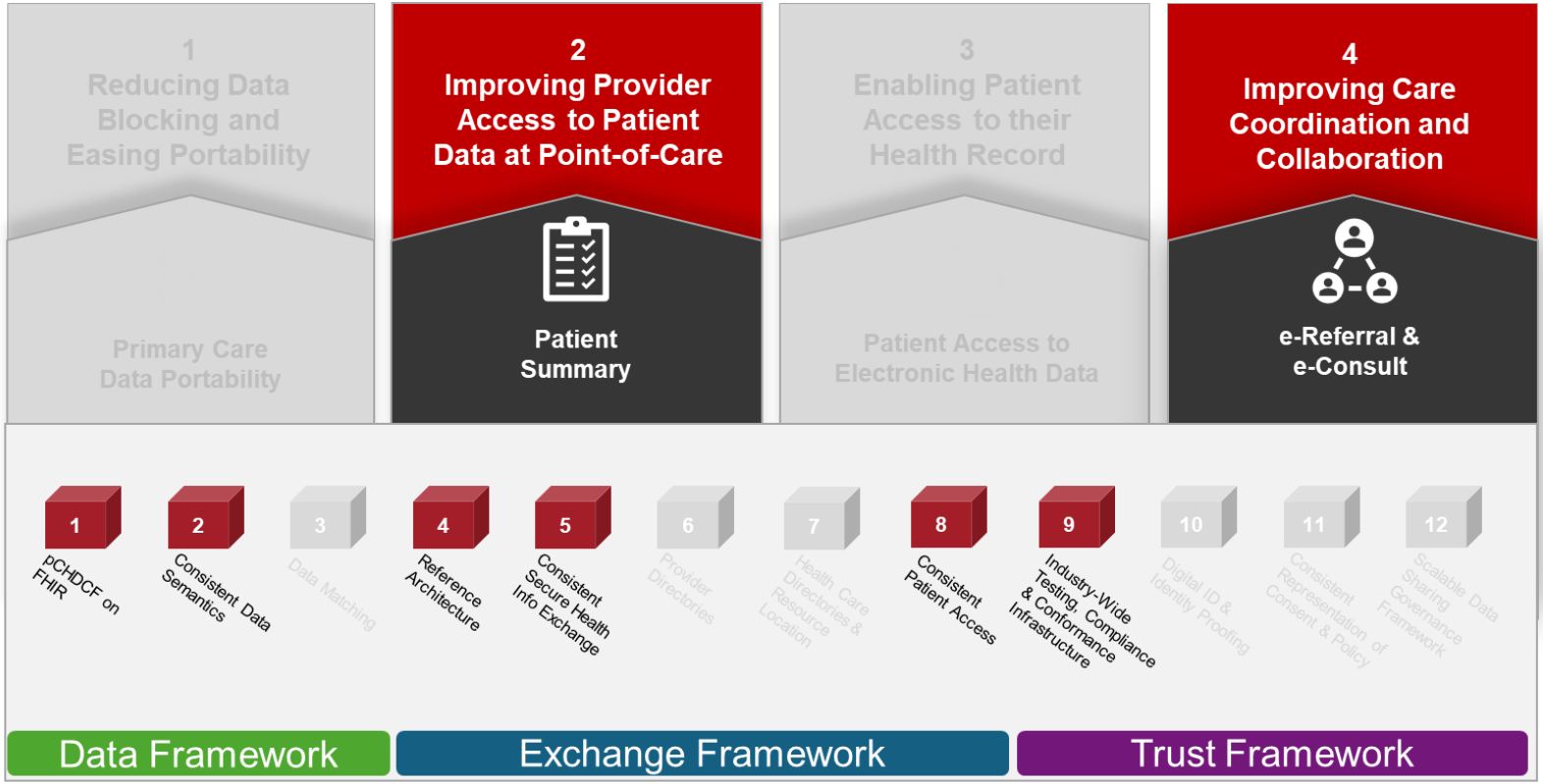
Items in progress



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Status of pan-Canadian Interoperability Specifications

Legend	
◑	In progress
●	Complete

	Standard	Description	Version	Development	Review Period	Release Date
	Pan-Canadian Patient Summary (PS-CA)	The PS-CA specification contains the information necessary for an implementer to consume and develop the components necessary for creating, consuming and sharing a Patient Summary.	PS-CA v2.0.0 DFT **DFT-preBallot**	●	Open Review: August 16 – September 6, 2024	**October 2024**
5	**Pan-Canadian FHIR Exchange (CA:FeX)**	The CA:FeX Interoperability specification seeks to promote FHIR RESTful exchange patterns, developed by industry-leading FHIR standards that can be applied on top of an existing infrastructure as easily as it can be applied on top of FHIR servers.	CA:FeX v2.1.0 **DFT-preBallot**	●	Open Review: August 16 – September 6, 2024	**October 2024**
2	**Pan-Canadian Core FHIR Profile Set (CA Core+)**	The CA Core+ specification is an expression of constraints in the pan-Canadian Health Data Content Framework (pCHDCF) in the form of FHIR profiles.	CA Core+ v0.3.0 **DFT-preBallot**	●	Open Review: August 16 – September 6, 2024	**October 2024**
4	**Reference Architecture**	A pan-Canadian, service-oriented Reference Architecture by defining standardized common services and aligning with successful international integration patterns.	RA v0.2.0 **DFT-preBallot**	●	Open Review: August 16 – September 6, 2024	**October 2024**
	Pan-Canadian eReferral and eConsult (CA:eReC)	The CA:eReC specification contains the information necessary for an implementer to consume and develop the components necessary for creating, sharing, and consuming an electronic referral or consult.	CA:eReC v1.0.0 DFT	●	Dispositioning: May 28 – September 13, 2024	July 2024 **Revised Date:** September 2024

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Status of pan-Canadian Interoperability Specifications

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	Standard	Description	Version	Development	Review Period	Release Date
	pan-Canadian Care Service Directory (CA:CSD)	The CA:CSD specification standardizes how healthcare service and provider data is structured and accessed, enabling users across jurisdictions to efficiently search for, locate, and communicate with healthcare providers.	CA:CSD v.0.1.0	◑	Open Review: August 30 – September 13, 2024	**October 2024**
2	**Pan-Canadian Core FHIR Profile Set (CA Core+)**	The CA Core+ specification is an expression of constraints in the pan-Canadian Health Data Content Framework (pCHDCF) in the form of FHIR profiles.	CA Core+ v0. 2.0 DFT	●	Balloting: March 27 – May 27, 2024	**July 2024**

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Areas of interest for Vendors, Jurisdictions, Federal Partners

Integrations, Technology & Innovation

Projectathon 2025 focus:

Profile	Version	Notes
PS-CA (FHIR Profile)	PS-CA V2.0.0 DFT-Ballot	FHIR Profile
CA:FeX	CA:Fex v2.1.0 DFT-Ballot	With PS-CA
MHD	MHD v4.1.0	With PS-CA
IUA (with CA:FeX)		CA:FeX API resource server
IUA (with MHD)		MHD API resource server
CA:eReC	1.0.0 DFT	Point to Point integrations
CA:Sec		mTLS out of scope
CA:Aud		Selected events
CT		
CA:SHL	CA:SHL v0.1 DFT-preBallot	With PS-CA

Plugathon 2025 focus:

Profile	Version
CA:eReC (Central Model)	1.0.0 DFT
CA:FeX	2.1.0 DFT-preBallot
CA:CSD	1.0.0 DFT-preBallot
CA Core+	0.3.0 DFT-preBallot
HALO	preBallot
CA:SHL	0.1 DFT-preBallot

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.

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“A conversation about IHE Plugathons & IHE Experience Days with Daniel and Attila”

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Question & Answer

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Thank you!

Contact Information:

David Kwan, david@insygniaconsulting.com

If you have an idea for a subject, a community working group or project that will drive interoperability forward, let us know! Send your suggestions

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