



Canada Health Infoway

Hhealth Application Lightweight Protocol (HALO)

HALO Framework v1.0.0

Working Group Meeting
July 7, 2025

Presenters:

Alex Reis | Director, Digital Health Interoperability, Canada Health Infoway

Colin Kent-Shepherd | Software Architect, Hamilton Health Sciences

Welcome and Announcements



Identify your organization, possibly in the Zoom participant name

Agenda

Co-Chair Update

Set Context Overview

Set Context Deep Dive – In Simplifier

Clear Context (If Time Allows)

Q&A / Collaboration

New HALO working group co-chair selected

Imanma Egeonu – Integration Lead - OceanMD

Set Context Overview

- The \$set-context operation is a FHIR operation within the Health Application Lightweight Protocol (HALO) framework, **enabling Point of Care (PoC) systems without native FHIR servers or Identity Providers (IdPs) to establish clinical context for a SMART on FHIR Accelerator (SoFA) launch.** This operation allows the PoC system to transmit FHIR resources—such as Patient, Encounter, and related context—to the SoFA, where these resources are stored on a centralized jurisdictional FHIR server.
- Upon execution, \$set-context returns an opaque launchID, which the PoC system includes as a launch parameter in the SMART on FHIR launch URL. The SMART application then uses this launch parameter in its authorization request, enabling the Identity Provider to reference the stored context resources and populate the necessary SMART launch context parameters in the token response.
- The context is sent in the form of resource references and miscellaneous parameter values, following the SMART on FHIR launch context parameter structure. Optionally, the PoC system can include actual resource instances within a Bundle in the resources parameter, allowing the SoFA to create and store these resources if needed. This supports scenarios where context resources either exist on the centralized server or are created on-demand, accommodating diverse jurisdictional requirements.



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Set Context Deep Dive

Colin Kent-Shepherd



Next Steps

- What we covered before
 - ✓ High level business context, use cases, HALO standard flows
 - ✓ App Catalog context and deep dive
 - ✓ App Launch context and deep dive
- What we covered today
 - ✓ Set Context deep dive
 - ✓ Clear Context deep dive
- Next Meeting
 - ☐ Pub/Sub
- Future Topics

Follow up offline:

- Venuti OIDC question

To consider:

- Set time to live – the amount of time resources should live on the SoFA

**Next Meeting:
July 14, 2025**



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Thank you

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