

EMR Contextual Launch

Implementation Guide

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1. INTRODUCTION

1.1 Overview

This document defines the requirements for an EMR Offering to support any provincial EHR service. This document does not define specific requirements for any single EHR service. Refer to the respective documents for the implementation of any specific EHR service.

1.2 Version History

VERSION	REVISION DATE	NOTES
1.0	2021-03-31	Initial Draft
1.1	2023-03-07	a) Updated document status to Final b) Updated reference to EMR EHR Connectivity Specification c) Various format and errata corrections
1.2	2023-03-07	a) Updated context to describe the standardized approach and EHR Services that are the exceptions. b) Various format and errata corrections

1.3 Dependencies

An EMR Offering must adhere to the EMR EHR Connectivity Specification to connect and access provincial EHR services which consist of several sets of requirements.

The following set of requirements needs to be implemented to support provincial EHR services.

ONE ID OAuth2 OPENID Connect	OAG ONE Access Gateway	CMS - Context Management System	ONE Access Viewlet Framework
<i>ONE ID OAuth2/OpenID Specification (Ontario Health Digital Services, 2020)</i>	<i>ONE Access Gateway – Transport Specification (Ontario Health Digital Services, 2020)</i>	<i>Ontario Context Management System HL7 FHIR Implementation Guide (Ontario Health Digital Services, 2019)</i>	<i>ONE Access Viewlet Framework – Developer Guide (Ontario Health Digital Services, 2021)</i>

1.4 OntarioMD & Ontario Health Specification Artifacts

ID	NAME	VERSION	DATE
1	EMR EHR Connectivity Specification (OntarioMD, 2021) https://www.ontariomd.ca/emr-certification/library/specifications	2.4	2021-05-31

1.5 The EMR Contextual Launch

The EMR Contextual Launch functionality is a configurable list of supported EHR Services that can be made available to users within an EMR. It is a framework to add functionality for supported EHR services within an EMR Offering by following a standardized configuration to reduce the development effort needed to expand EMR functionality with EHR Services that leverage the EMR Contextual Launch.

The following is an outline of the functionalities leveraged by the EMR Contextual Launch.

Context Management: to leverage context sharing of patient and other context provided by the EMR for use by the EHR Service. To support a standardized approach, all supported context is set by the EMR immediately before launching the EHR service and each EHR Service will leverage the appropriate context.

Viewlet Framework: enables retrieval of the appropriate parameters on-demand to connect to an EHR Service and to manage errors and other functionality. This functionality generally behaves consistently across all supported EHR services (except ClinicalConnect EHR service which behaves differently).

Federated ID: provides federated identity and authentication to the EHR services. It provides a more seamless interaction from the EMR to the EHR Service, for supported EHR Services. Single Sign-On (SSO) is also leveraged by some EHR Services if that functionality is (optionally) supported by the EMR.

1.6 Configuration of EHR Services for the EMR Contextual Launch

Once the EMR Contextual Launch is implemented, the list of supported EHR Services that can be added is maintained in the accompanying configuration document, where each EHR Service is assigned a name and unique key value that needs to be configured. The accompanying configuration document provides the list of all supported EHR Services that can leverage the EMR Contextual Launch and their respective configuration. As the list of supported EHR Services expands, they can be easily added following the same configuration process.

1.7 Exceptional Cases

ClinicalConnect is an EHR Service that is the only exception where it does not follow the standard approach of an EHR Service that is supported by the EMR Contextual Launch. While ClinicalConnect does support Context Management and Federated ID, it does not follow the Viewlet Framework. Refer to the specific configuration details for this (and all other) supported EHR Services.

2. REQUIREMENTS

The following EMR requirements to implement Contextual Launch.

OMD #	REQUIREMENT	GUIDELINES
01	The EMR Offering MUST have EHR Contextual Launch functionality to display the list of context-enabled EHR service(s).	<p>The EMR Offering MUST have an EMR Contextual Launch functionality that can leverage supported provincial EHR services from where the EMR user can display the list of available EHR services and launch them.</p> <p>The EMR Offering MUST have the functionality to add, update and remove EHR services from the EMR Contextual Launch.</p> <p>The EMR Contextual Launch MUST have the functionality to accept and display zero or more EHR services.</p> <p>Note: An EMR Contextual Launch List is a common location within the EMR Offering's user interface that lists all the provincial EHR services that have been implemented within the EMR Offering. It allows the EMR user to view this list and launch any of the listed EHR services from this list.</p> <p>Note: Refer to the Types of EHR Services section for more details about what parameters to store or how to retrieve them, depending on the type of EHR service.</p>
02	The EMR MUST have the ability to POST patient/provider context to CMS, prior to launching the Context-enabled EHR service.	<p>The EMR Offering MUST POST the following context data stored in the EMR:</p> <ul style="list-style-type: none"> a) Health Information Custodian (HIC) Organization b) Location of the HIC (only if it is different from the organization address) c) Practitioner d) Patient (At a minimum: Identifier, given & family name, gender, DOB) <p>Patient context data MUST be sent prior to launching the context-enabled EHR service.</p> <p>The EMR Offering MUST support the ability to send all parameters if available.</p> <p>When setting the context data, the EMR Offering MUST adhere to the requirements set out in the Context Sharing document in the EMR EHR Connectivity Specification.</p>
03	The EMR MUST LOG all interactions with the EHR service, if available	<p>The EMR Offering MUST log the following information when attempting a connection with the EHR service:</p> <ul style="list-style-type: none"> a) Date and Time of interaction

OMD #	REQUIREMENT	GUIDELINES
		<ul style="list-style-type: none"> b) Endpoint attempting to connect c) Status (i.e., success or failure) d) Return codes, if provided e) EMR user ID