



My Health Record FHIR Gateway v2.0.0

Release Note

17 June 2019 v2.0.0
Approved for external use
Document ID: DH-2752:2018

Related end product identifier: EP-2748:2018

These technical specifications enable developers to connect applications to the My Health Record system via the FHIR® Gateway. They describe API requests and responses, data mapping between CDA implementation guide fields and Fast Healthcare Interoperability Resources (FHIR®), and the error scenarios and associated error codes for all APIs. It is intended for use by FHIR® API consumers to understand the API signature exposed by the My Health Record system.

Release rationale

Version 2.0.0 of the My Health Record FHIR® Gateway introduces two major improvements:

1. It leverages the myGov authentication hub which allows mobile app users to use their email address or mobile number to sign in to My Health Record.
2. It provides the technical improvements to the internal architecture of the FHIR® APIs to enhance performance but leaves the functional behaviours and the request and response structures unchanged. The technical improvements were first introduced in v1.3.0 for selected APIs; this version extends the improvements to the rest of the APIs.

This version replaces release v1.3.0.

Package inclusions

Identifier	Name and version
DH-2752:2018	<i>My Health Record FHIR Gateway – Release Note v2.0.0</i>
DH-2751:2018	<i>My Health Record FHIR Gateway – API Specification v2.0.0</i>
DH-2750:2018	<i>My Health Record FHIR Gateway – Data Mapping v2.0.0</i>
DH-2749:2018	<i>My Health Record FHIR Gateway – Error Mapping v2.0.0</i>

Scope

This version covers the following key items:

- Use of the myGov Authentication Hub. This includes changes to the Authentication and Authorisation screen flow.

- Streamlining of the workloads for APIs by reducing the number of back end service calls, which optimised API performance through orchestrating services underpinned by the REST protocol. This was a continuation of the improvements first introduced in v1.3.0.

Stakeholders

The following stakeholders have been involved in the development of this release:

- Australian Digital Health Agency
- My Health Record National Infrastructure Operator

The specification will be updated based on vendor feedback.

Audience

These documents are available to software vendors developing My Health Record-enabled products.

Capabilities

Additions

- None.

Changes

- Authentication and Authorisation screen flow amended to show the re-branded screens from the myGov authentication hub.
- Resource URIs for the Authentication and Authorisation (OAuth Authorization code flow) endpoints have been amended to include a new version parameter, which leads to the new authentication flow.
- [POST|PUT] AllergyIntolerance and MedicationStatement no longer require the FHIR resource name to be providing in the request string if a Bundle is being uploaded. The new format for these calls will be '[base/fhir/v2.0.0]/'. Uploading individual AllergyIntolerance and MedicationStatement will continue to follow the existing pattern
- All other API calls have been modified to support the new version of the API. The only change to these calls will be the change to the version number, following the format of '[base/fhir/v2.0.0]/{{FHIR resource name}}'

Refer to *My Health Record FHIR Gateway – API Specification v2.0.0* for a complete list of the supported API calls, as well as their expected query structure.

- Provided clarification on the download document size limit which is set to 7MB:
 - API Specification: 3.4.1.5 Get Document – “The binary response which is formatted as Base64Binary has an imposed upper limit of 7340032 Bytes (7 MB). A response exceeding this size limit will result in an error message being thrown. Refer to 3.4.1.6 OperationOutcome Codes for more information.”
 - Error Mapping: FHIR API Error Cases – Get Document #10: “Document file size is too large to retrieve on a mobile device. An upper limit of 7340032 Bytes (7 MB) is imposed on the Base64Binary response.”

Removals

- None.

Support

For further support or to provide feedback, please email help@digitalhealth.gov.au

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