

Inferno Tech Talk – Feb 2024

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Inferno Tech Talk Introduction

- Purpose: to provide regularly scheduled updates on the Inferno tool and its implementation of the (g)(10) test procedure
- Typical agenda to include:
 - Announcements about upcoming releases
 - Training on new features
 - Highlight outstanding issues or known problems
 - Open discussion
- Monthly recurrence: 2nd Wednesday at 1PM ET
- This call is being recorded and will be posted online

Content reflects Inferno's implementation of applicable Test Procedure and does not necessarily reflect ONC policy.

Today's Agenda

- (g)(10) Standardized API Test Kit v5.1.0
- Additional Test Kits Updates
- Redesign of inferno.healthit.gov and inferno-framework.github.io
- Discussions / Questions

ONC (g)(10) Standardized API Test Kit v5.1.0

- Test Update:
 - Changes that may result in new failure: 2

(g)(10): Practitioner Search Tests

- Certification Companion Guide: Standardized API for patient and population services
 - Applies to base regulatory standard **US Core 3.1.1** and SVAP approved standard **US Core 4.0.0**:
 - For **“Encounter”**, **“Organization”**, and **“Practitioner”**, US Core IG profiles, only the “read” type interaction must be supported and will be included in testing and certification.
 - Applies to SVAP approved standards **US Core 5.0.1** and USCDI v2, and **US Core 6.1.0** and USCDI v3:
 - For the **“Organization”** US Core IG profile, only the “read” type interaction must be supported and will be included in testing and certification.

(g)(10): Practitioner Search Test

(g)(10): US Core 4.0.0

- 5.31.01 Server returns correct Practitioner resource from Practitioner read interaction
- 5.31.02 Practitioner resources returned during previous tests conform to the US Core Practitioner Profile
- 5.31.03 All must support elements are provided in the Practitioner resources returned

(g)(10): US Core 6.1.0

- 10.41.01 Server returns correct Practitioner resource from Practitioner read interaction
- 10.41.04 Server returns valid results for Practitioner search by name
- 10.41.05 Server returns valid results for Practitioner search by identifier
- 10.41.02 Practitioner resources returned during previous tests conform to the US Core Practitioner Profile
- 10.41.03 All must support elements are provided in the Practitioner resources returned

(g)(10): Update Inferno Validation Service

- Update HL7 FHIR Core dependency to v6.2.8
- Improve error message filter

US Core Test Kit

Start Testing

Test Suite

- US Core v3.1.1
- US Core v4.0.0
- US Core v5.0.1
- US Core v6.1.0
- US Core v7.0.0 Ballot

SMART App Launch Version

- SMART App Launch 1.0.0
- SMART App Launch 2.0.0

[+ Create Test Session](#)

- 1 SMART App Launch
 - 1.3 Standalone Launch *Optional*
 - 1.4 EHR Launch *Optional*
- > 2 US Core FHIR API
- 3 US Core SMART Granular Scopes
 - 3.1 Granular Scopes 1
 - 3.1.1 SMART App Launch w/Granular Scopes 1
 - 3.1.2 US Core FHIR API w/Granular Scopes 1
 - 3.1.2.1 Condition Granular Scope Tests Tests
 - 3.1.2.2 DiagnosticReport
 - Granular Scope Tests Tests

Service Base URL Test Kit

[Service Base URL Test Kit](#)

The Service Base URL Test Kit provides a set of draft tests to validate that Certified API Developers can publish their service base URLs in [a specified format](#) as described in the [HTI-1 rule](#).

Updated: 02/04/2024 Version: 0.9.0 Maturity: Low [?](#)

Service Base URL Test Suite v.0.9.0

Preset: Example Service Base URL

- Service Base URL Test Suite
 - 1 Retrieve and Validate Service Base URL List
 - 1.1 Retrieve Service Base URL List
 - 1.2 Validate Service Base URL List
 - Report

Service Base URL Test Suite

This test kit provides a draft set of tests to validate conformance to [HTI-1 rule](#) from the API Condition and Main...

A Certified API developer must publish, at no charge, the service base URLs and related organizational details t...

- Service base URL list is publicly accessible
- Service based URLs are published in the Endpoint resource format according to the standard adopted in...
- Organization details for each service base URL are published in the Organization resource format accordi...
- Each Endpoint resource must:
 - Have at least one Organization resource that references it in the Bundle
- Each Organization resource must:
 - Have a populated Organization.endpoint field that contains references to the Endpoint resources co...
 - Contain the organization's name, location, and provider identifier
- Endpoint and Organization resources must be:
 - Collected into a Bundle resource formatted according to the standard adopted in FHIR v4.0.1: § 170.

This test kit is provided as a preview for feedback and is not currently intended for certification. A version of the...

While these tests do not specifically verify conformance to [Patient-Access Brands](#) within the draft SMART App...

The tests within this test kit are available for developers that would like to evaluate their service list against the team on the [Inferno FHIR Zulip channel](#).

1 Retrieve and Validate Service Base URL List

Open Discussion / Feedback

Resources and Contact Information

- <https://inferno.healthit.gov/>
 - General materials & live demonstration server
- <https://github.com/onc-healthit/onc-certification-g10-test-kit/>
 - ONC Certification tests repository, downloads, issues
 - “Watch” repository to receive alerts (new releases, etc)
 - Note: this repository is specific to ONC Certification testing
- <https://groups.google.com/forum/#!forum/inferno-testing>
 - Announcements & community discussion
- inferno@groups.mitre.org (or rscanlon@mitre.org)
- Also, FHIR Zulip Chat: <https://chat.fhir.org/#narrow/stream/179309-inferno>

Upcoming Meetings

- Next Inferno Tech Talk: **Wednesday March 13** at 1 PM ET
- Please reach out with questions & issues