Inferno Tech Talk – September 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 on https://inferno.healthit.gov/events/

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 v6.0.1/6.0.2
- Other Test Kits Update
- September HL7 FHIR Connectathon
- Discussions / Questions

ONC (g)(10) Standardized API Test Kit v6.0.1/6.0.2

- Test Update:
 - Changes that may result in new failure: 0
 - Changes that will not affect score of passing implementations: 5

(g)(10) Updates: Token Introspection for SMART v1 (#553)

- Inferno v6.0.0 incorrectly apply SMART v2 token introspection requirement to SMART v1 test.
- What's changed:
 - For SMART v1, restored token introspection attestation (test 11.06)
 - For SMART v2, no changes.

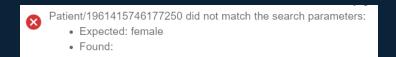
(g)(10) Updates: Inconsistent asymmetric client refresh token test (#548)

- In v6.0.0, test 9.12.3.03 "Server successfully refreshes the access token when optional scope parameter provided" incorrectly used SMART v1 refresh token test.
- What's changed:
 - Fix test 9.12.3.03 to use the SMART v2 refresh token test.

(g)(10) Updates: Search Primitive Value (#557)

■ In v6.0.0, a bug prevented primitive values with extension to be recognized as matching search

parameter.



- What's changed:
 - Update logic to read primitive element's value instead of the whole element

(g)(10) Updates: Server granted read/search separately (#551)

- In v6.0.0, scope tests 9.9.11, 9.14.1, 9.14.2 could not recognize scopes granted separately, such as patient/Patient.r and patient/Patient.s
- What's changed:
 - Update regex to recognize that scopes could be granted either individually or combined.

(g)(10) Updates: OpertionOutcome returned in scopes test (#551)

- In v6.0.0, scope tests 9.14.1 treats OperationOutcome in the returned Bundled as invalid resource types.
- What's changed:
 - Skip OperationOutcome in search result Bundle.

Other Inferno Releases

- Service Base URL Test Kit v0.11.0
 - Improve performance on systems with large Service Base URL bundles
 - Simplify test structure and improved input options
 - Option to limit number of endpoints verified for large bundles
 - Warnings for additional resource types
 - Warning if only a single Organization resource is provided

September HL7 FHIR Connectathon

- US Core & (g)(10) HTI-1 Testing Track
 - https://confluence.hl7.org/pages/viewpage.action?pageId=256516592
 - Track Kick Off
 - Tomorrow at 12 PM ET

Open Discussion / Feedback

Resources and Contact Information

- https://inferno.healthit.gov/
 - General materials & live demonstration server
- https://inferno-framework.github.io
 - Create your own Inferno Test Kits!
- 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
- inferno@groups.mitre.org (or rscanlon@mitre.org)
- FHIR Zulip Chat: https://chat.fhir.org/#narrow/stream/179309-inferno

Upcoming Meetings

Next Inferno Tech Talk: Wednesday October 9 at 1 PM ET

Please reach out with questions & issues