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Subject: LTI Tool Consumer certification test results (ref: 01185695-f9a6-4d41-9cdc-644f2e94416f)
Date: March 26, 2017 at 9:34 AM
To: IMS LTI Certification submission conformance@imsglobal.org
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Tests for: Sakai (12)

Ref: 01185695-f9a6-4d41-9cdc-644f2e94416f for

I am submitting my results from the certification tests for your approval.

I have passed the certification tests for the following releases of LTI and wish to apply for certification:

1. Tool Settings

Other comments:

I was unable to complete the outcomes for LTI 2.0. I did launch with sourcedids with two different accounts and two different sourcedids and the buttons for 11.2 – 11.15 never activated :(I have sent a confirmation statement

I confirm that the test results generated are an accurate representation of a properly executed certification testing process. I also confirm that I am familiar with the LTI specification and I am not aware of any circumstances when my application would fail the tests undertaken or fail to co

Test results

Test	Required for	Status
1: Tool Registration		
1.1: The contents of the registration request are valid	2.0	Pass
1.2: Invalid tool proxy is rejected	2.0	Pass
1.3: Valid tool proxy is accepted	2.0	Pass
2: Message format		
2.1: Messages have a recognized message type	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
2.2: Messages have required parameters	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
2.3: Messages have correct LTI version	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
2.4: Message parameters are correctly named	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
2.5: No message parameter values have leading or trailing whitespace	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
3: OAuth and Signing Requests		
3.1: Sign with agreed consumer key and secret	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
3.2: Can sign requests with URL parameters	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
3.3: Can sign a request with a URL parameter with space in the value parameter	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
3.4: Includes oauth_callback for OAuth 1.0A compliance	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
3.5: Parameters are encoded using UTF-8	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
4: Custom Field Support		
4.1: Can send custom parameters	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
4.2: Properly maps special characters and case in custom fields	1.0, 1.1, 1.1.1, 1.2, 2.0, Content-Item	Pass
4.3: Supports \$User.id substitution variable	1.2, 2.0	Pass
4.4: Supports \$User.username substitution variable	1.2, 2.0	Pass
4.5: Supports \$ToolConsumerProfile.url substitution variable	1.2, 2.0	Pass
4.6: Supports Tool Settings substitution variables	2.0	Pass
5: User Information		
5.1: Sends a user_id	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
5.2: Sends Learner role	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
5.3: Sends Instructor role	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
5.4: Follows role naming rules	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
5.5: Sends request with a valid name and email for the user	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
5.6: Sends valid user name information but no email address	1.0, 1.1, 1.1.1, 1.2	ToDo
5.7: Can suppress all identifiable user information	1.0, 1.1, 1.1.1, 1.2	Pass
5.8: Send a lis_person_sourcedid	1.0, 1.1, 1.1.1	Pass
5.9: Send a role_scope_mentor	1.1.1, 1.2	ToDo
5.10: Send a lis_person_sourcedid	1.2, 2.0	Pass
6: Resource and Context support		
6.1: Sends resource_link_title	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
6.2: Sends resource_link_description	1.0, 1.1, 1.1.1, 1.2	OK
6.3: Can send a context_id	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
6.4: Can send a context_label	1.0, 1.1, 1.1.1, 1.2	Pass
6.5: Can send a context_title	1.0, 1.1, 1.1.1, 1.2	ToDo
6.6: Can send a request without a context_id	1.0, 1.1, 1.1.1, 1.2, 2.0	OK
6.7: Can send a context_type	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
6.8: Follows context_type rules	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
6.9: Send a lis_course_offering_sourcedid	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
6.10: Send a lis_course_section_sourcedid	1.0, 1.1, 1.1.1	Pass
6.11: Send a lis_course_section_sourcedid	1.2, 2.0	Pass
7: Consumer support		
7.1: Sends tool_consumer_info_product_family_code	1.1, 1.1.1, 1.2	ToDo
7.2: Sends tool_consumer_info_version	1.1, 1.1.1, 1.2	ToDo
7.3: Can send a tool_consumer_instance_guid	1.0, 1.1, 1.1.1, 1.2	Pass
7.4: Can send a tool_consumer_instance_name	1.0, 1.1, 1.1.1, 1.2	Pass
7.5: Can send a tool_consumer_instance_description	1.0, 1.1, 1.1.1, 1.2	Pass
7.6: Can send a tool_consumer_instance_contact_email	1.0, 1.1, 1.1.1, 1.2	OK
8: Multiple Requests and Consistency		
8.1: Send message from a second resource_link_id	1.0, 1.1, 1.1.1, 1.2, 2.0	ToDo
8.2: Sends a different user_id	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
8.3: Can send a different context_id	1.0, 1.1, 1.1.1, 1.2, 2.0	ToDo
8.4: Can send multiple resource_link_id values with the same context_id	1.0, 1.1, 1.1.1, 1.2, 2.0	OK
8.5: A resource_link_id never moves from one context_id to another	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
8.6: Consistency of context_id/user_id/role mappings	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
9: Launch Support		
9.1: Sends launch_presentation_locale parameter	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass
9.2: launch_presentation_document_target parameter is valid	1.0, 1.1, 1.1.1, 1.2, 2.0	OK
9.3: launch_presentation_width parameter is valid	1.0, 1.1, 1.1.1, 1.2, 2.0	OK
9.4: launch_presentation_height parameter is valid	1.0, 1.1, 1.1.1, 1.2, 2.0	OK
9.5: launch_presentation_css_url parameter is valid	1.0, 1.1, 1.1.1, 1.2, 2.0	Pass

9.6: launch_presentation_return_url parameter is valid		
9.6: launch_presentation_return_url parameter is valid	1.2, 2.0	Pass
10: Content-Item Message		
10.1: Supports LTI links as content-items	Content-Item	OK
10.2: Supports LTI links with outcomes as content-items	Content-Item	OK
10.3: Supports web links as content-items	Content-Item	OK
10.4: Supports images as content-items	Content-Item	OK
10.5: Supports static HTML as content-items	Content-Item	OK
10.6: Supports PDF files as content-items	Content-Item	OK
10.7: Supports at least one type of content-item	Content-Item	ToDo
11: Outcomes Management 1 (Basic Outcome) Service		
11.1: Sends lis_result_sourcedid and lis_outcome_service_url parameters	1.1, 1.1.1, Outcomes-1	ToDo
11.2: Initial outcome value is empty	1.1, 1.1.1, Outcomes-1	ToDo
11.3: Outcomes Service supports replaceResult operation	1.1, 1.1.1, Outcomes-1	ToDo
11.4: Outcomes Service supports readResult operation and returns the proper value	1.1, 1.1.1, Outcomes-1	ToDo
11.5: Outcomes Service supports deleteResult operation	1.1, 1.1.1, Outcomes-1	ToDo
11.6: Result is properly deleted after deleteResult operation	1.1, 1.1.1, Outcomes-1	ToDo
11.7: Outcomes Service properly handles unsupported operations	1.1, 1.1.1, Outcomes-1	ToDo
11.8: replaceResult does not accept out of range values	1.1, 1.1.1, Outcomes-1	ToDo
11.9: replaceResult accepts values of 0 and 1	1.1, 1.1.1, Outcomes-1	ToDo
11.10: replaceResult does not accept invalid values	1.1, 1.1.1, Outcomes-1	ToDo
11.11: lis_outcome_service_url passed for all roles	1.1, 1.1.1, Outcomes-1	Pass
11.12: Outcomes Service rejects invalid replaceResult request	Outcomes-1	ToDo
11.13: Outcomes Service rejects invalid readResult request	Outcomes-1	ToDo
11.14: Outcomes Service rejects invalid deleteResult request	Outcomes-1	ToDo
11.15: Outcomes Service keeps individual user grades separate	1.1, 1.1.1, Outcomes-1	ToDo
12: Tool Consumer Profile		
12.1: URL does not change between launches	1.2, 2.0	Pass
12.2: Format matches media type	1.2, 2.0	Pass
12.3: Declares required capabilities	1.2, 2.0	Pass
12.4: Property values are consistent with launch parameters	1.2, 2.0	Pass
12.5: Message parameters are consistent with tool proxy	2.0	ToDo
12.6: Required services are declared	2.0	Pass
13: Tool Settings service		
13.1: Supports GET method	2.0, Tool Settings	Pass
13.2: Supports PUT method	2.0, Tool Settings	Pass
13.3: Supports PUT method using simple format	2.0, Tool Settings	Pass
13.4: Supports bubble-all option	2.0, Tool Settings	Pass
13.5: Supports bubble-distinct option	2.0, Tool Settings	Pass
13.6: Rejects multi-level PUT requests	2.0, Tool Settings	Pass
13.7: Rejects requests not properly signed	2.0, Tool Settings	Pass
14: Membership Service		
14.1: Can send service endpoints	Membership	ToDo
14.2: Supports GET method	Membership	ToDo
14.3: Supports rid query parameter	Membership	ToDo
14.4: Supports role query parameter	Membership	ToDo
14.5: Supports limit query parameter	Membership	ToDo

Launch Parameters

The system being tested supports the following parameters in launch messages:

- Standard parameters
 - launch_presentation_return_url
 - lt_message_type
 - lti_version
 - reg_key
 - reg_password
 - tc_profile_url
 - tool_proxy_guid
 - context_id
 - context_label
 - context_title
 - context_type
 - launch_presentation_css_url
 - launch_presentation_locale
 - lis_course_offering_sourcedid
 - lis_course_section_sourcedid
 - lis_person_sourcedid
 - resource_link_description
 - resource_link_id
 - resource_link_title
 - roles
 - user_id
 - lis_result_sourcedid

Substitution Variables

The system being tested supports the following custom parameter substitution variables:

- Standard variables
 - \$User.id
 - \$User.name
 - \$ToolConsumerProfiles.url
 - \$ToolProxy.custom.url
 - \$ToolProxyBinding.custom.url
 - \$LtiLink.custom.url

