GMETRIX LTI INTEGRATION

8/15/2018	Version 3.0

This document contains the necessary information to use the GMetrix LTI endpoint, including URLs, parameters, and use cases. This document assumes basic knowledge of the LTI 1.1 specification. More information on LTI 1.1 can be found here:

https://www.imsglobal.org/specs/ltiv1p1/implementation-guide

GMetrix LTI Integration

VERSION 3.0

GENERAL INFORMATION

Tool URL

https://www.gmetrix.net/lti/

OAUTH CREDENTIALS

The consumer key that I will issue is directly tied to the testing center on the GMetrix side. This means that each testing center in the GMetrix system that needs access to the LTI will need their own consumer key/secret.

You can request your key and secret by emailing us at support@gmetrix.com. Once a key has been generated, it can be recalled on the home page of www.gmetrix.net/manage.

OAUTH SIGNATURE METHODS

HMAC-SHA1, HMAC-SHA256, and HMAC-SHA512 are supported.

PARAMETERS:

In addition to parameters for OAuth and student account information, GMetrix uses two optional custom parameters. If neither are sent, the student will simply be logged in to the GMetrix panel and have full access to the GMetrix site. If a resource key is sent, an access code is required to access that resource. In this case, the GMetrix panel is in limited mode, and the student will only have access to the resource that matches the key.

- accesscode - Optional. A custom parameter containing the GMetrix access code that will be used to access the content on the GMetrix site.
- gmxresourcekey – A Unique key used to directly link to a GMetrix resource. These resource keys can be found at www.gmetrix.net/manage on the home page in the LTI section. (Note: This section only appears after a consumer key and secret have been assigned to your testing center.)

GRADEBOOK SYNC

GMetrix implements the Basic Outcomes Service defined in the LTI specification. If an Outcome Service URL is included with the GMetrix Resource Key, the score will be returned to the outcome URL once the resource has been completed. The sourcedid parameter is used to link the GMetrix resource to the LTI resource in your LMS. Scores are sent as a percentage, using a decimal between 0.00 and 1.00. If no GMetrix Resource key is included, the outcomes URL will not be called.

RESOURCES IN PROGRESS

If the student saves a test in the GMetrix system, they will be returned to your LMS using the launch_presentation_return_url. This will leave the test in progress and will not call the outcomes url. The test will resume if the same launch link is clicked. A new attempt of the test can only be launched after the student has finished the previous attempt.

ADDITIONAL DOCUMENTATION FOR SPECIFIC LMS PLATFORMS

If you are using one of the following LMS platforms, we have created additional documentation for the following:

EDU App Center:
https://www.eduappcenter.com/apps/1019

Canvas:
https://gmetrix.net/documentation/Documents/GMetrixLTIForCanvasV3.pdf

Schoology:
https://gmetrix.net/documentation/Documents/GMetrixLTIForSchoologyV3.pdf

Blackboard:
https://gmetrix.net/documentation/Documents/GMetrixLTIForBlackboardV3.pdf