

Requirement	Integration with ILIAS (v.5.4) via LTI
Author	YouTestMe
Confidentiality	Public
Last save date	Monday, March-07-2022 at 11:46:00 AM

Table of Contents

1	Introduction.....	1
2	Creating an LTI configuration.....	2
3	Creating a test.....	4
4	Setting up a course in ILIAS.....	5
5	Assigning members to the course.....	10
6	Taking the test	10
7	Constraints.....	13

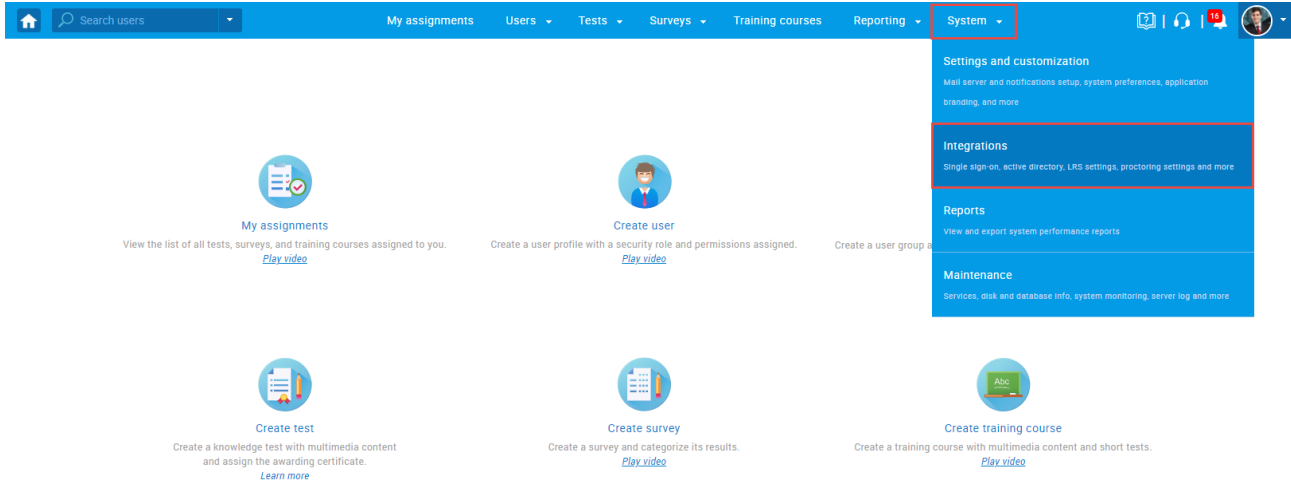
1 Introduction

This article explains how to integrate YouTestMe GetCertified with ILIAS via LTI.
Integration is conducted with the 5.4. version of ILIAS.

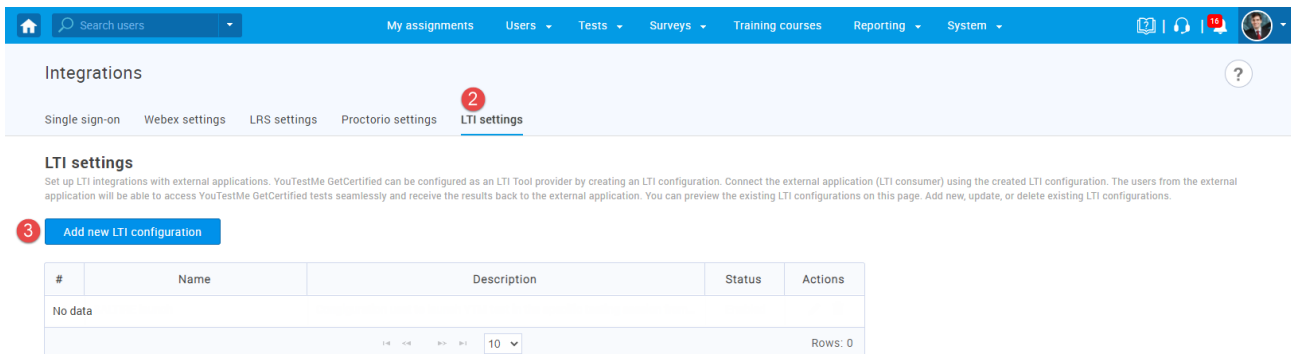
2 Creating an LTI configuration

To set up the integration:

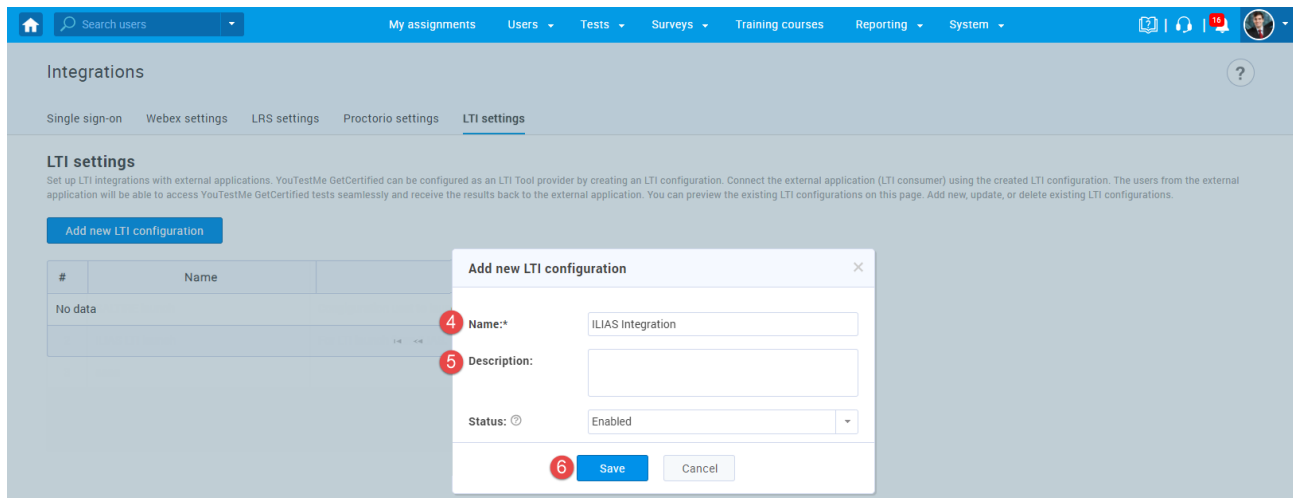
1. Hover over the "**System**" section in the main menu, then select "**Integrations**".



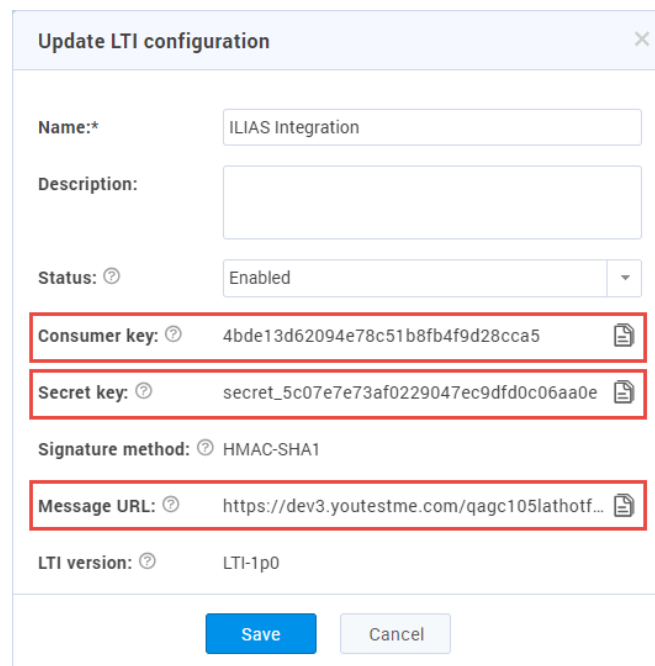
2. Navigate to the "LTI settings" tab.
3. Click the "Add new LTI configuration".



4. Enter a name.
5. Enter a description (optional).
6. Click the "Save" button.



The LTI integration will be created. Click the pencil icon to preview integration details or edit the integration name, description, and status.



Name:*	ILIAS Integration
Description:	
Status: ⓘ	Enabled
Consumer key: ⓘ	4bde13d62094e78c51b8fb4f9d28cca5
Secret key: ⓘ	secret_5c07e7e73af0229047ec9dfd0c06aa0e
Signature method: ⓘ	HMAC-SHA1
Message URL: ⓘ	https://dev3.youtestme.com/qagc105lathof...
LTI version: ⓘ	LTI-1p0

"Consumer key", "Secret key", and "Message URL" will be used for External Content configuration in ILIAS.

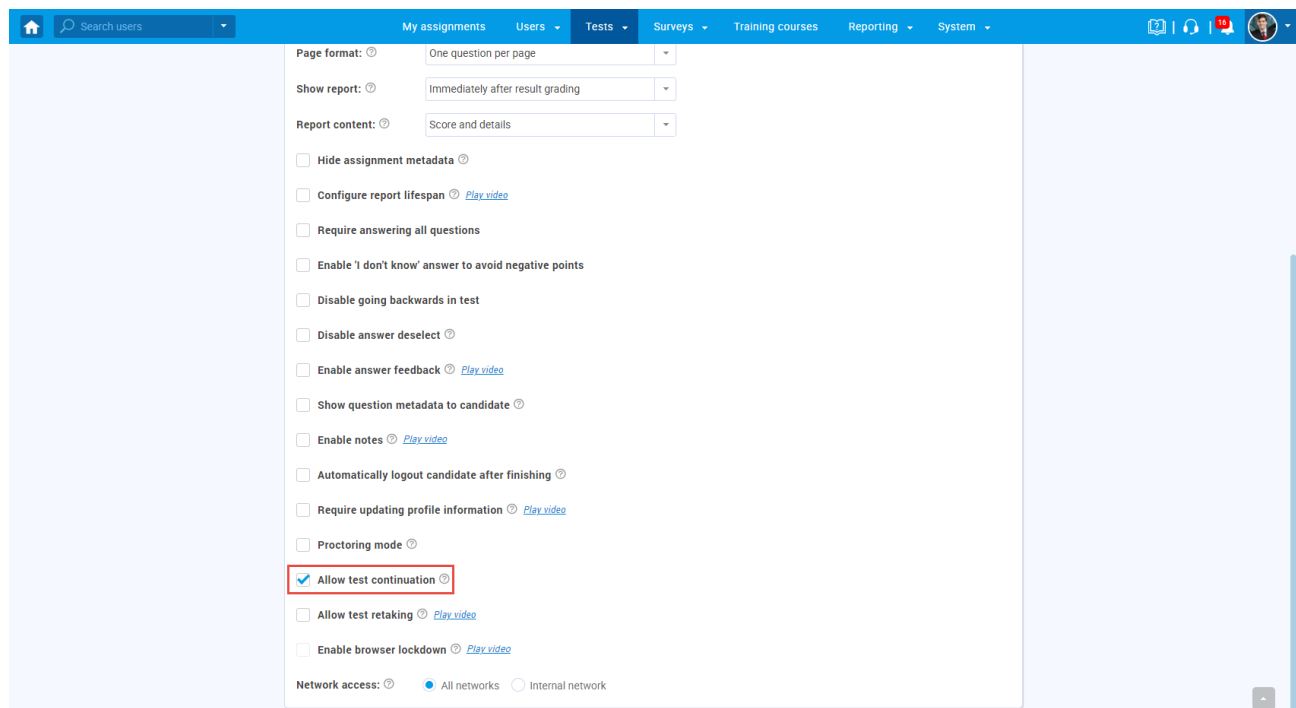
3 Creating a test

For more information on how to create a test, create a testing session, and publish the test, see the following articles:

- [How to create a simple test without sections](#)
- [How to create a test with sections](#)

If candidates are allowed to pause the test and continue the test-taking later, you should enable the "**Allow test continuation**" option while creating a test.

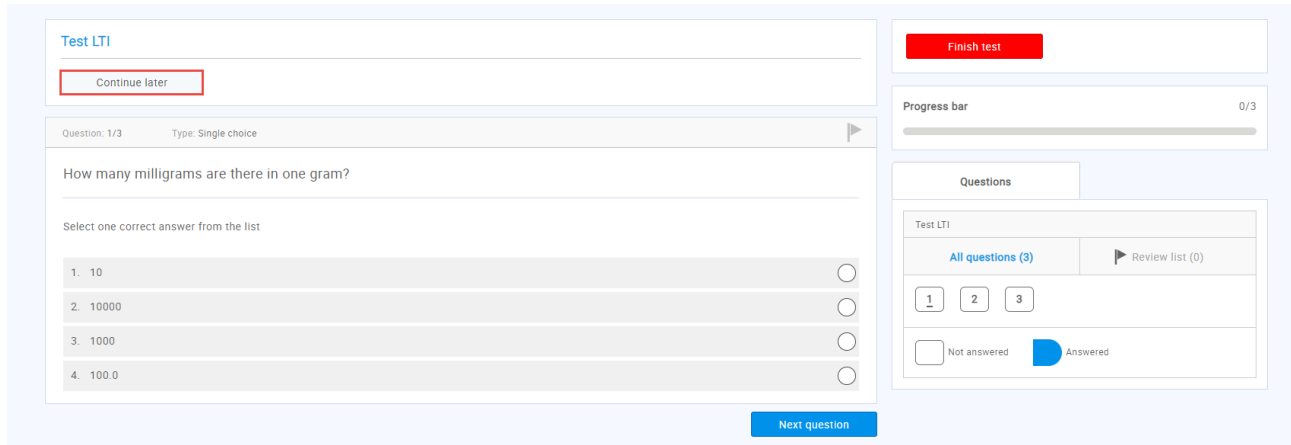
Additionally, candidates will be able to continue the test without the test manager's intervention in case of test interruption (e.g. lost internet connection).



The screenshot shows the configuration page for creating a test in the Youtestme system. The page has a blue header with navigation tabs: My assignments, Users, Tests, Surveys, Training courses, Reporting, and System. A search bar for users is on the left. The main content area contains various settings:

- Page format: One question per page
- Show report: Immediately after result grading
- Report content: Score and details
- Hide assignment metadata
- Configure report lifespan (with a play video icon)
- Require answering all questions
- Enable 'I don't know' answer to avoid negative points
- Disable going backwards in test
- Disable answer deselect
- Enable answer feedback (with a play video icon)
- Show question metadata to candidate
- Enable notes (with a play video icon)
- Automatically logout candidate after finishing
- Require updating profile information (with a play video icon)
- Proctoring mode
- Allow test continuation** (checked and highlighted with a red box)
- Allow test retaking (with a play video icon)
- Enable browser lockdown (with a play video icon)
- Network access: All networks (selected) or Internal network

The picture below shows the test-taking page from the candidate's perspective when test continuation is allowed.

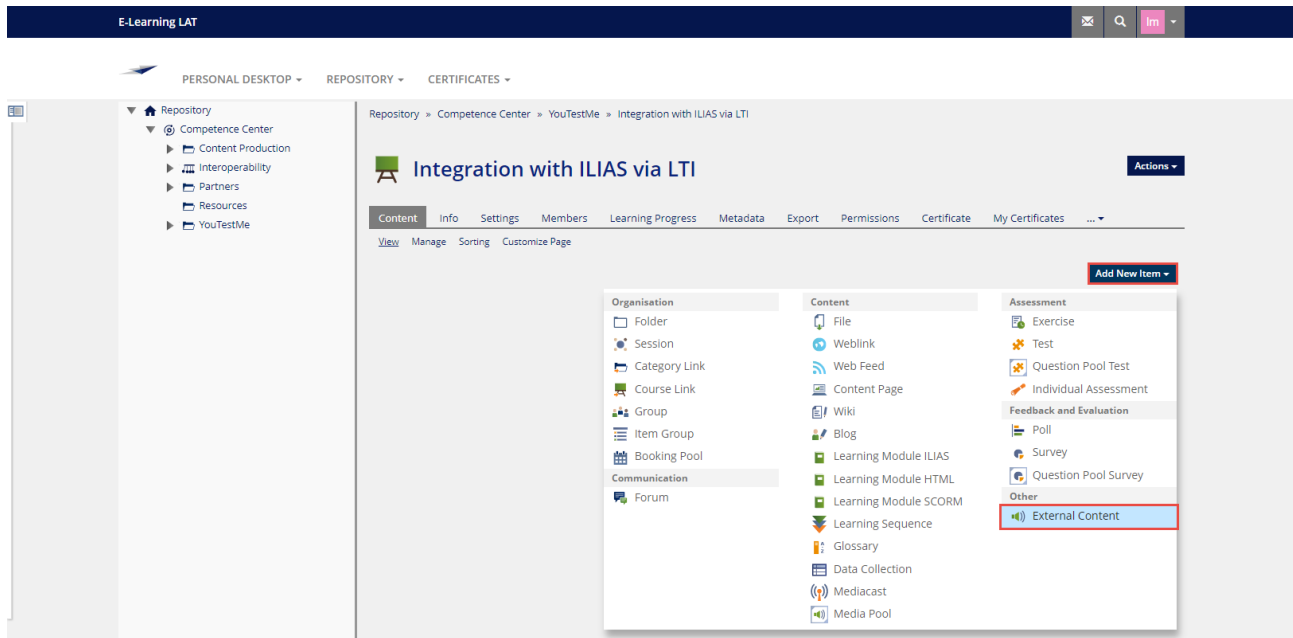


4 Setting up a course in ILIAS

Open the desired course and navigate to the "Content" tab.



Click the "Add New Item" button, then choose "External Content".

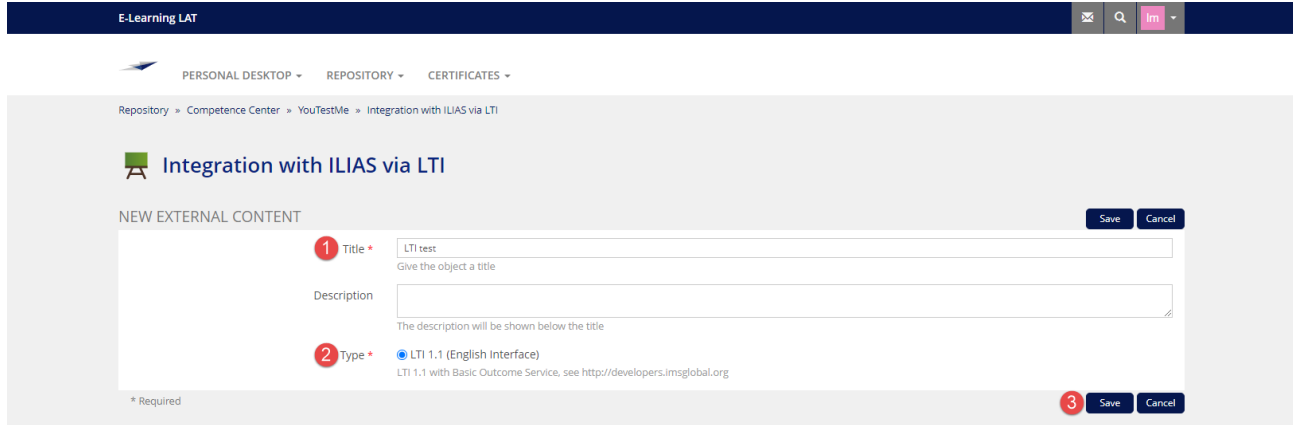


The screenshot shows the YouTestMe interface with the following elements:

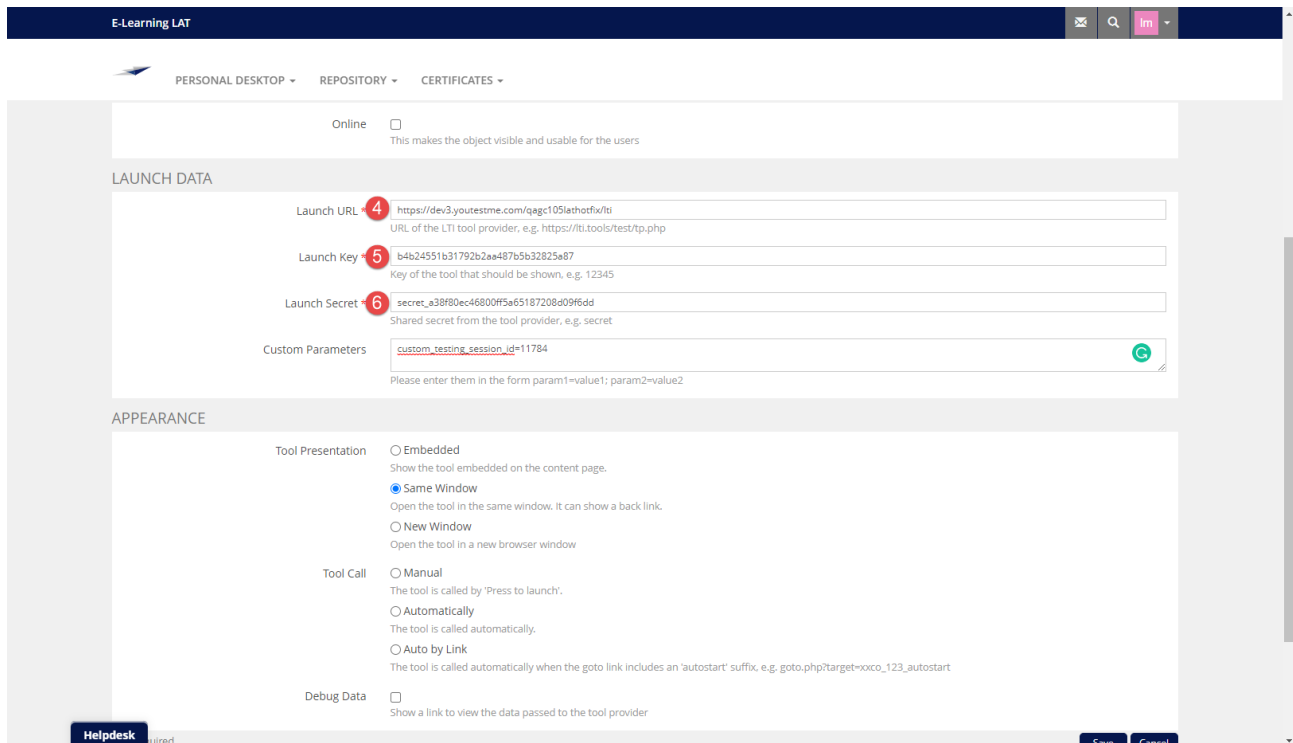
- Header:** E-Learning LAT
- Navigation:** PERSONAL DESKTOP, REPOSITORY, CERTIFICATES
- Breadcrumbs:** Repository > Competence Center > YouTestMe > Integration with ILIAS via LTI
- Page Title:** Integration with ILIAS via LTI
- Menu:** Content (selected), info, Settings, Members, Learning Progress, Metadata, Export, Permissions, Certificate, My Certificates, ...
- Sub-menu:** View, Manage, Sorting, Customize Page
- Modal Window:** Add New Item
- Modal Categories:**
 - Organisation:** Folder, Session, Category Link, Course Link, Group, Item Group, Booking Pool, Communication, Forum
 - Content:** File, Weblink, Web Feed, Content Page, Wiki, Blog, Learning Module ILIAS, Learning Module HTML, Learning Module SCORM, Learning Sequence, Glossary, Data Collection, Mediacast, Media Pool
 - Assessment:** Exercise, Test, Question Pool Test, Individual Assessment
 - Feedback and Evaluation:** Poll, Survey, Question Pool Survey
 - Other:** External Content (highlighted)

Then:

1. Enter a title.
2. Select a type.
3. Click the "Save" button.



4. In the "Launch URL" field, enter the "Message URL" from the YouTestMe GetCertified application.
5. In the "Launch Key" field, enter the "Consumer key" from the YouTestMe GetCertified application.
6. In the "Launch Secret" field, enter the "Secret key" from the YouTestMe GetCertified application.



7. In the "Custom parameters" field, enter "custom_testing_session_id=" and the ID of the testing session in which the candidates need to take the test.

The **Testing sessions ID** in the YouTestMe GetCertified application can be found in the **"Details"** preview of the **"Testing sessions"** tab for the desired test.

Manage tests

All tests (331) > Test LTI

Settings **Testing sessions** Candidates Monitoring Questions Grading scales Report builder Summary report Managers Proctors

Organize your test into testing sessions. Define when and where the test-taking will be allowed. Allow candidates to self-enroll into session or hand-pick them. [Play video](#)

[New testing session](#) [Load testing sessions](#) [Grid](#) [Details](#)

Testing session ID	Testing session name	Available from	Available to	Self-enrollment	Actions
11789	Session	Feb-28-2022 06:00 PM EST	Mar-29-2022 06:38 AM EDT	No	

Displayed columns 1 10 Rows: 1

Please check the picture below to see an example of how to enter text in the **"Custom parameters"** field properly.

E-Learning LAT

PERSONAL DESKTOP REPOSITORY CERTIFICATES

Online This makes the object visible and usable for the users

LAUNCH DATA

Launch URL *
URL of the LTI tool provider, e.g. https://lti.tools/test/tp.php

Launch Key *
Key of the tool that should be shown, e.g. 12345

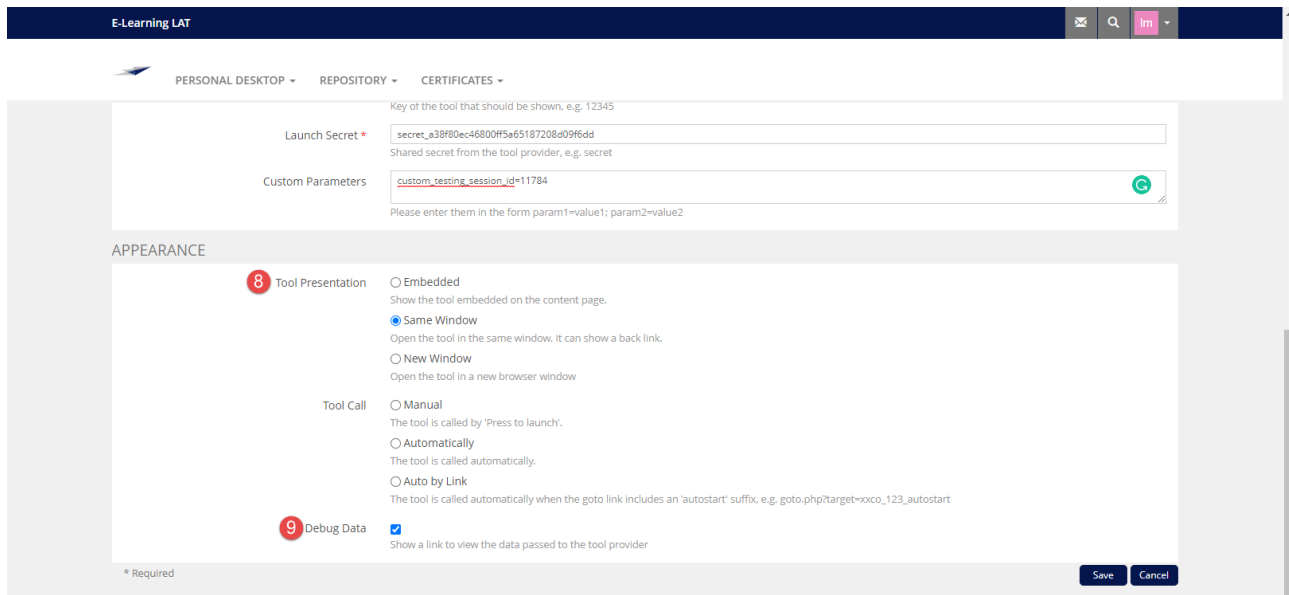
Launch Secret *
Shared secret from the tool provider, e.g. secret

Custom Parameters

Please enter them in the form param1=value1; param2=value2

APPEARANCE

8. A suggestion is to check **"Same widow"** for the **"Tool presentation"** option.
9. It would be useful to enable the **"Debug Data"** option.




E-Learning LAT

PERSONAL DESKTOP ▾ REPOSITORY ▾ CERTIFICATES ▾

Key of the tool that should be shown, e.g. 12345

Launch Secret *
Shared secret from the tool provider, e.g. secret

Custom Parameters 
Please enter them in the form param1=value1; param2=value2

APPEARANCE

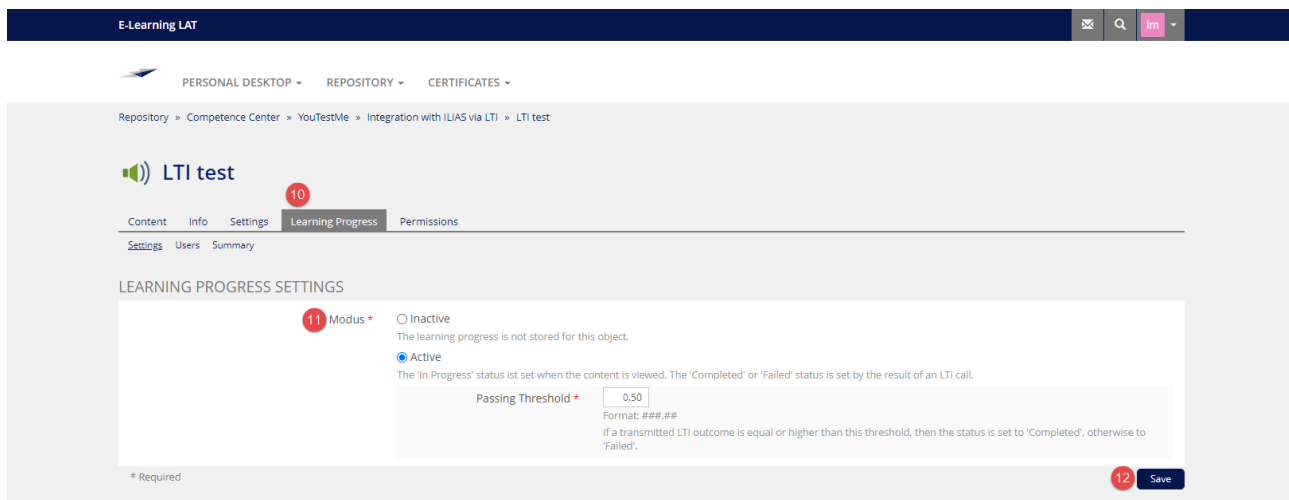
8 Tool Presentation Embedded
Show the tool embedded on the content page.
 Same Window
Open the tool in the same window. It can show a back link.
 New Window
Open the tool in a new browser window.

Tool Call Manual
The tool is called by 'Press to launch'.
 Automatically
The tool is called automatically.
 Auto by Link
The tool is called automatically when the goto link includes an 'autostart' suffix, e.g. goto.php?target=xxxx_123_autostart

9 Debug Data
Show a link to view the data passed to the tool provider

* Required Save Cancel


10. Navigate to the **"Learning Progress"** tab.
11. For the **"Modus"** option, set **"Active"**.
12. Click the **"Save"** button.



E-Learning LAT

PERSONAL DESKTOP ▾ REPOSITORY ▾ CERTIFICATES ▾

Repository > Competence Center > YouTestMe > Integration with ILIAS via LTI > LTI test

 **LTI test**

Content Info Settings **Learning Progress** Permissions

Settings Users Summary

LEARNING PROGRESS SETTINGS

11 Modus * Inactive
The learning progress is not stored for this object.
 Active
The 'In Progress' status is set when the content is viewed. The 'Completed' or 'Failed' status is set by the result of an LTI call.

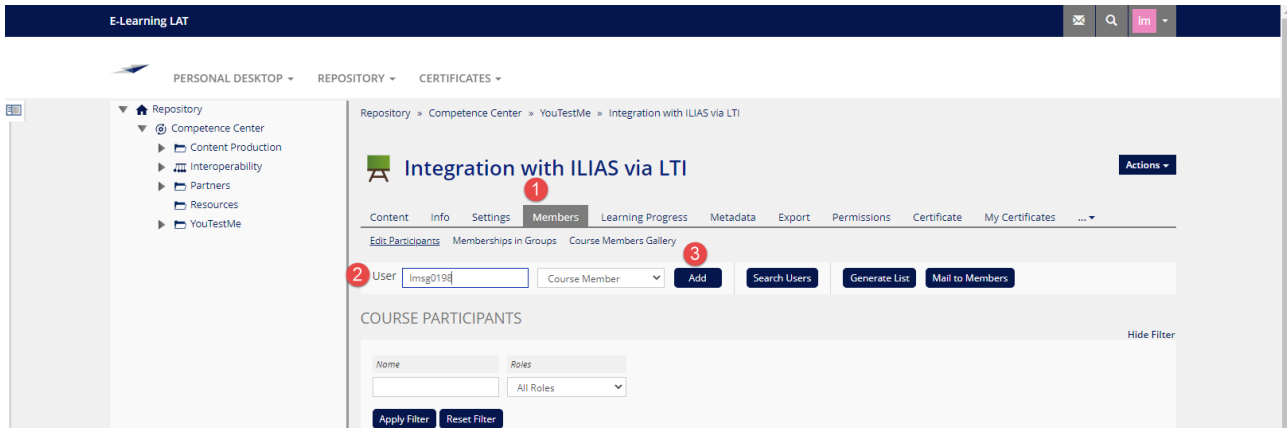
Passing Threshold *
Format: ###.##
 If a transmitted LTI outcome is equal or higher than this threshold, then the status is set to 'Completed', otherwise to 'Failed'.

* Required **12** Save

5 Assigning members to the course

To assign the desired members to the course:

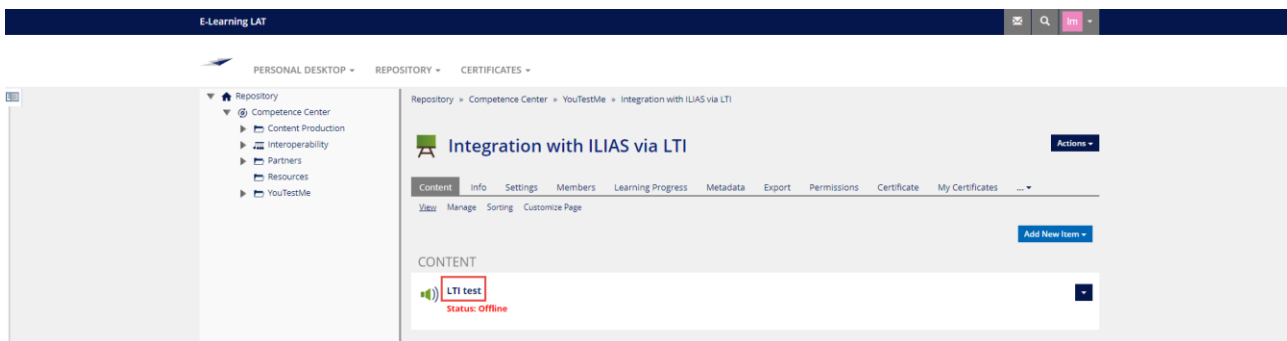
1. Navigate to the "**Members**" tab.
2. Enter a member name in the "**User**" field and choose the desired account from the list.
3. Click the "**Add**" button.



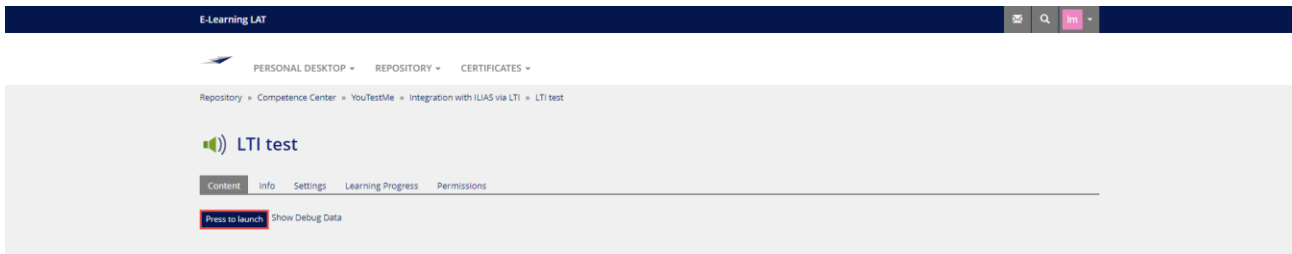
6 Taking the test

Once open the desired course, do the following:

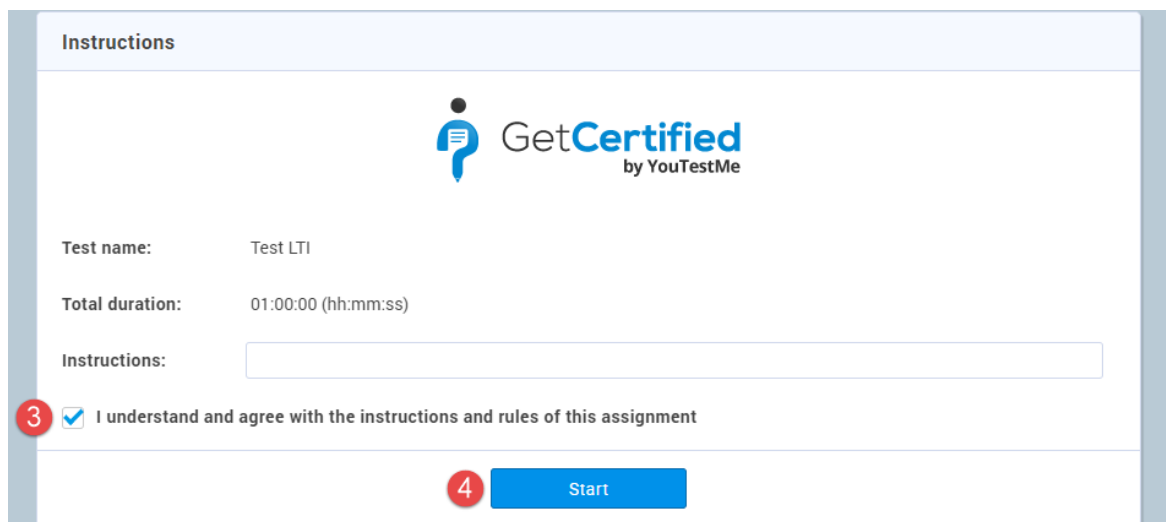
1. Click on the test name.



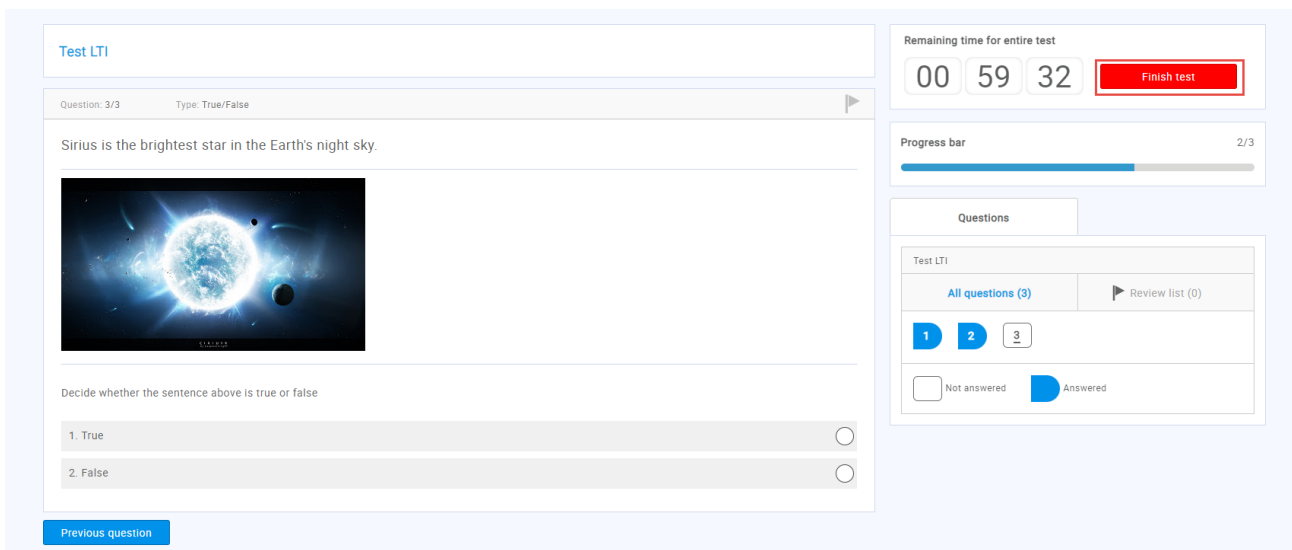
2. Click the **"Press to launch"** button to start the test.



3. Acknowledge the test instructions.
4. Start the test by clicking the **"Start"** button.



5. Answer questions, then finish the test by clicking the **"Finish test"** button.



Depending on the test settings, you may be able to preview the test report. To log out from the YouTestMe GetCertified application, click the **"Sign out"** button.

(Imsg0066)
Personal report

Export ▾

Test name: Test LTI

Label:

Started: Mar-03-2022 01:03 PM UTC

Finished: Mar-03-2022 01:04 PM UTC

Time spent: 00:01:05

Passing score: 50.0%

Score: 5.0%

Result: Failed

Verification date: Not verified


Question pools

Question pool	Passing mark	Score	Status
Astronomy	50%	5.00% (1/20 points) 1 correct, 1 incorrect, 1 skipped questions	Failed

Questions
Test version: Test version 1

Question: 1 of 3 Type: Single choice Points: 5 Penalty: 1 Difficulty: Easy Question pool: Astronomy

The groupations of stars that form a shape (such as Crux and Ursa Major) are called:



Answers:

1. Stellas
2. Stragates
3. Stargroups
4. Constables
5. Constellations

Sign out

If the **"Same Window"** is previously set for the **"Tool presentation"** option in ILIAS, you will be navigated to the course page again.

If the test continuation is allowed, the candidates can click the **"Continue later"** button on the test-taking page and then continue the test later in the same way they started the test. The same rules apply if the test is interrupted for some reason (e.g., lost internet connection).

Depending on the test settings (**"Show report"** option configuration) in YouTestMe GetCertified, the candidate's report will be shown in the **"Learning progress"** tab in ILIAS.

- **Immediately after finishing the test** - The candidate will see the report even if there are questions that should be graded.
- **Immediately after result grading** - The candidate will see the report after all questions are graded.
- **Immediately after result verification** - The candidate will see the report after result verification.
- **On manager's approval** - You can hold the report and choose when to release it for one or all candidates.
- **Real-time grading**

7 Constraints

- The assigned testing session must be **"Available now"** when accessing the test link.

The screenshot shows the 'Testing sessions' configuration page. A session is being edited with the following details:

- Status:** Available now (highlighted with a red box)
- Location:** A location
- Start time:** Feb-28-2022 06:00 PM EST
- End time:** Mar-29-2022 06:38 AM EDT
- Candidates:** 1
- Session protection:** Unlocked

- Test attempts must have **"Not attempted"** or **"Ready to continue"** status.

The screenshot shows the 'Candidates' page for a session. A table displays the following data:

Username	Session	Status	Score (%)	Result	Test finished
alice	Session	Report complete	59.09	Passed	Yes
christina.hall	Session	Report complete	100.00	Passed	Yes
lmsg0198	Session	Not attempted			-

The 'Not attempted' status for user 'lmsg0198' is highlighted with a red box.