

Requirement	Integration with ILIAS (v.5.4) via LTI
Author	YouTestMe
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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".

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

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	Integra	ations							?
	Single sigr	n-on Webex settings LRS settir	ngs Proctorio settings	LTI settings					
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	#	Name		Add new LTI con	figuration		×		
	No data		14 - 44	Name:*	ILIAS Integration				
			6	Description:			_		
				Status: ⑦	Enabled		•		
				6	Save Ca	ncel			

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

Update LTI config	uration	>		
Name:*	ILIAS Integration			
Description:				
Status: ⑦	Enabled	-		
Consumer key: 🕐	4bde13d62094e78c51b8fb4f9d28cca5	Ð		
Secret key: 💿	secret_5c07e7e73af0229047ec9dfd0c06aa0e	2		
Signature method: ⑦ HMAC-SHA1				
Message URL: 🕅	https://dev3.youtestme.com/qagc105lathotf	9		
LTI version:	LTI-1p0			
	Save			

"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).

My assignments Users 👻	Tests 🖌 Surveys 🗸	Training courses	Reporting - System -	🖾 i 🖓 i 🗐 i
Page format: ⑦ One question per page	v			
Show report: ⑦ Immediately after result gradin	ng 👻			
Report content: ⑦ Score and details	-			
Hide assignment metadata 🗇				
Configure report lifespan ⑦ <u>Play video</u>				
Require answering all questions				
Enable 'I don't know' answer to avoid negative poin	nts			
Disable going backwards in test				
Disable answer deselect ⑦				
Enable answer feedback ⑦ Play video				
Show question metadata to candidate $\ensuremath{\oslash}$				
Enable notes ⑦ <u>Play video</u>				
Automatically logout candidate after finishing $\ensuremath{\oslash}$				
Require updating profile information ⑦ Play video				
Proctoring mode ⑦				
✓ Allow test continuation ⑦				
Allow test retaking ⑦ Play video				
Enable browser lockdown ⑦ Play video				
Network access:	network			



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

	Finish test	
	Progress bar	
▶		
	Questions	
	Test LTI	
0	All questions (3)	Review list (0)
0	1 2 3	
0	Not answered A	nswered
0		
		Finish test Progress bar Questions Test LTI All questions (3) 1 1 Not answered A

4 Setting up a course in ILIAS

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

PERSONAL DESKTOP - REPOSITORY - CERTIFICATES - PERSONAL DESKTOP - REPOSITORY - CERTIFICATES - Repository Societate Production Description Production Description Partners Resources PourtestMe Integration with ILLIAS via LTI Content Info Settings Members Learning Progress Metadata Export Permissions Certificate My Certificates	E-Learning LAT		⊠ Q Im •
Repository Repository Competence Center Competence Center Content Production Content Production Intergration with ILIAS via LTI Integration with ILIAS via LTI Content Info Settings Members Learning Progress Metadata Export Permissions Certificate My Certificates • Year Manage Sorting Customize Page	PERSONAL DESKTOP - REPO	SITORY - CERTIFICATES -	
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Click the "Add New Item" button, then choose "External Content".







Then:

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

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PERSONAL DESKTOP - REPOSITORY	✓ CERTIFICATES ~	
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Integration with ILIAS v	a LTI	
NEW EXTERNAL CONTENT		Save
NEW EXTERNAL CONTENT	LTI test	Save Cancel
NEW EXTERNAL CONTENT	LTI test Give the object a title	Save Cancel
NEW EXTERNAL CONTENT 1 Title * Description	LTI test Give the object a title	Save Cancel
NEW EXTERNAL CONTENT	LTI test Give the object a title The description will be shown below the title	Save Cancel
NEW EXTERNAL CONTENT 1 Title * Description 2 Type *	LTI test Give the object a title The description will be shown below the title © LTI 1.1 (English Interface)	Save Cance
NEW EXTERNAL CONTENT 1 Title * Description 2 Type *	LTI test Give the object a title The description will be shown below the title The 1.1 (English interface) LTI 1.1 (English interface) LTI 1.1 with Basic Outcome Service, see http://developers.imsglobal.org	Save Cancel

- 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.

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PERSONAL DESKTOP - REPOSITOR	RY - CERTIFICATES -	
Online	This makes the object visible and usable for the users	
LAUNCH DATA		
Launch URL 🛃	https://dex3.youtestme.com/qagc105lathoffs//til URL of the LTi tool provider, e.g. https://til.tools/test/tp.php	
Launch Key 🐐	b4b24551b31792b2ae487b5b32825887 Key of the tool that should be shown, e.g. 12345	
Launch Secret *	secret_a38/80ec46800ff5a65187208d09f6dd Shared secret from the tool provider, e.g. secret	
Custom Parameters	custom_testing_session_id=11784	C
APPEARANCE	viease enter them in the form paramit-value (; paramit=value2	
Tool Presentation	C Embedded Show the tool embedded on the content page. Same Window Open the tool in the same window, it can show a back link. O New Window Open the tool in a new browser window	
Tool Cali	○ 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=xxxo_123,autostart	
Debug Data	Show a link to view the data passed to the tool provider	

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.

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ests	Manage tests				
7	All tests (331) > Test LTI				
€	Settings Testing sessions Candidates Monitoring	Questions Grading scales Report builder	Summary report Managers Proctors		\sim
2	Organize your test into testing sessions. Define when and where the test	taking will be allowed. Allow candidates to self-enroll into sess	ion or hand-pick them. <u><i>Play video</i></u>		
ō	New testing session Load testing sessions				Grid Details
	Testing session ID	Available from	Available to	Self-enrollment	Actions
	0	0			
	þ	/-			
	11789 Session	Feb-28-2022 06:00 PM EST	Mar-29-2022 06:38 AM EDT	No	i a ∧ h i

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

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PERSONAL DESKTOP - REPOSITOR	Y - CERTIFICATES -
Online	This makes the object visible and usable for the users
LAUNCH DATA	
Launch URL *	https://dex3.youtestme.com/qagc105/athoffs/fisi URL of the LTI tool provider, e.g. https://til.tools/test/tp.php
Launch Key *	b4b24551b31792b2ax487b5b32825x87 Key of the tool that should be shown, e.g. 12345
Launch Secret *	secret_a38780ec46800ff5a65187208409f6dd Shared secret from the tool provider, e.g. secret
Custom Parameters	Custom_testing_session_id=11784 Image: Control of the imag
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.

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PERSONAL DESKTOP - REPOSITORY - CERTIFICATES -					
Launch Secret * Custom Parameters	Key of the tool that should be shown, e.g. 12345 secret_s38f80ec46800H5s65187208e09H6dd Shared secret from the tool provider, e.g. secret sectom_testing_session_id=11784 Please enter them in the form param1=value1; param2=value2	٢			
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	O Manual The tool is called by 'Press to launch'. O Automatically The tool is called automatically. O Auto by Link The tool is called automatically when the goto link includes an 'autostart' suffix, e.g. goto.php?target=xorco_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.

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Repository & Competence Center * YouTestMe * Integration with ILAS via LTI * LTI test Image: Content info Settings Content info Settings Settings Learning Progress Permissions Settings Settings Users Summary Image: Summary LEARNING PROGRESS SETTINGS Image: Summary Image: Summary Image: Summary LEARNING PROGRESS SETTINGS Image: Summary Image: Summary Image: Summary Image: Summary Image: Summary LEARNING PROGRESS SETTINGS Image: Summary Image: Summary Image: Summary Image: Summary Image: Summary LEARNING PROGRESS SETTINGS Image: Summary Image: Summary <	PERSONAL DESKTOP - REPOSITOR	Y ← CERTIFICATES ←
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Content Info Settings Learning Progress Permissions Sattings Users Summary LEARNING PROGRESS SETTINGS Image: Setting and the set of the set	■) LTI test	
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Passing Threshold * 0.50 Formati ###.## If a transmitted LTI outcome is equal or higher than this threshold, then the status is set to 'Completed', otherwise to 'Tailed'. * Required 12 Save	Settings Users Summary LEARNING PROGRESS SETTINGS 11 Modus *	O Inactive The learning progress is not stored for this object.
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	Settings Users Summary LEARNING PROGRESS SETTINGS	Inactive The learning progress is not stored for this object. Active Active The 'In Progress' status ist set when the content is viewed. The 'Completed' or 'Failed' status is set by the result of an LTI call.
* Required 11 outcome is equal or nighter than this threshold, then the status is set to Completed, otherwise to Failed.	Settings Users Summary LEARNING PROGRESS SETTINGS 11 Modus *	Inactive The learning progress is not stored for this object. Active Active The 'In Progress' status ist set when the content is viewed. The 'Completed' or 'Failed' status is set by the result of an LTI call. Passing Threshold * 0.50
* Required 12 Save	Settings Users Summary LEARNING PROGRESS SETTINGS 11 Modus *	Inactive The learning progress is not stored for this object. Active The 'In Progress' status ist set when the content is viewed. The 'Completed' or 'Failed' status is set by the result of an LTI call. Passing Threshold * 0.50 Format: ###.## Format: ###.### Format: ####.### Format: ###.###
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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.

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	n()) LTI test Status: Offine	•



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

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PERSONAL DESKTOP + REPOSITORY + CERTIFICATES +	
Repository » Competence Center » YouTestMe » Integration with ILIAS via LTI » LTI test	
■()) LTI test	
Content Info Settings Learning Progress Permissions	
Press to launch Show Debug Data	

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

	nstructions				
		GetCertified by YouTestMe			
1	Fest name:	Test LTI			
1	Fotal duration:	01:00:00 (hh:mm:ss)			
1	nstructions:				
3 ✓ I understand and agree with the instructions and rules of this assignment					
	4 Start				

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)	Export -	Question pools			
reisonarreport			Question pool	Passing mark	Score	Status
Test name:	Test LTI		Astronomy	50%	5.00% (1/20 points) 1 correct, 1 incorrect, 1 skipped questions	Failed
Label:			Questions			
Started:	Mar-03-2022 01:03 PM UTC		Test version: Test version 1			
Finished:	Mar-03-2022 01:04 PM UTC		Question: 1 of 3 Type: Sing	le choice Points:5 Pena	Ity. 1 Difficulty: Easy Question pool: Astronomy	
Time spent:	00:01:05		The groupations of star	s that form a shape (s	uch as Crux and Ursa Major) are called:	
Passing score:	50.0%					
Score:	5.0%		1 9 39 9			
Result:	Failed		and the second	Ant in		
Verification dat	e: Not verified					
			Answers:			
			1. Stellas			
			2. Stragates			
			3. Stargroups			
			4. Constables			
			5. Constellations			1

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 testtaking 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.

î	D Search users • My assignments Users • Tests • Surveys • Training courses Reporting • System	• 🔯 I 🖓 I 🖳 🛞 •
Tests	Manage tests All tests (331) > Test LTI	
₽	Settings Testing sessions Candidates Monitoring Questions Grading scales Report builder Summary report Managers Proctors	
0	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	
Ō	New testing session Load testing sessions	Grid Details
	Session 🖉 🗓	
	Available now	
	⊘ Location: A locacation	
	C Start time: Feb-28-2022 06:00 PM EST	
	O End time: Mar-29-2022 06:38 AM EDT	
	Copy access link:	
	Copy meeting link: -	
	♂ Copy guest link: -	
	Training course: -	
	Act Group: -	
	کې Candidates: ۱ Add	
	\$ Pricing: - Set price Remove	
	E Booking deadline: -	
	f_{\sim}^{\sim} Cancellation deadline: -	
	Session protection: Unlocked	

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

Â		My assignments Users • Tests • Surveys • Training courses Reporting • System •	🖾 I 🖓 I 🚇 🛞 -			
Tests	Manage tests All tests (331) > Test LTI Settings Testing sessions Candidates	Monitoring Questions Grading scales Report builder Summary report Managers Proctors				
Ø	Testing sessions Session - Candidates Show all candidates Add or remove candidates from this test. View test attempts and grade them.					
	Session 3 Finished Add candidates	Add candidates Marked for review: 0 Filter by start date: 0 From To	🔎 Show all			
		Username ↓ Session ↓ Status ↓ Score (%) ↓ Result ↓ Actions ↓	Test finished Grad			
		christina.hall Session Report complete 100.00 Passed ひ □ 11 □ Imsg0198 Session Not attempted ひ □ 11 □	Yes -			
		Displayed columns 1 >> 10 Actions + Data Transfer + Show suspended attempts	Rows: 3			