



# YouTestMe

LTI Integration

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## 1 Introduction

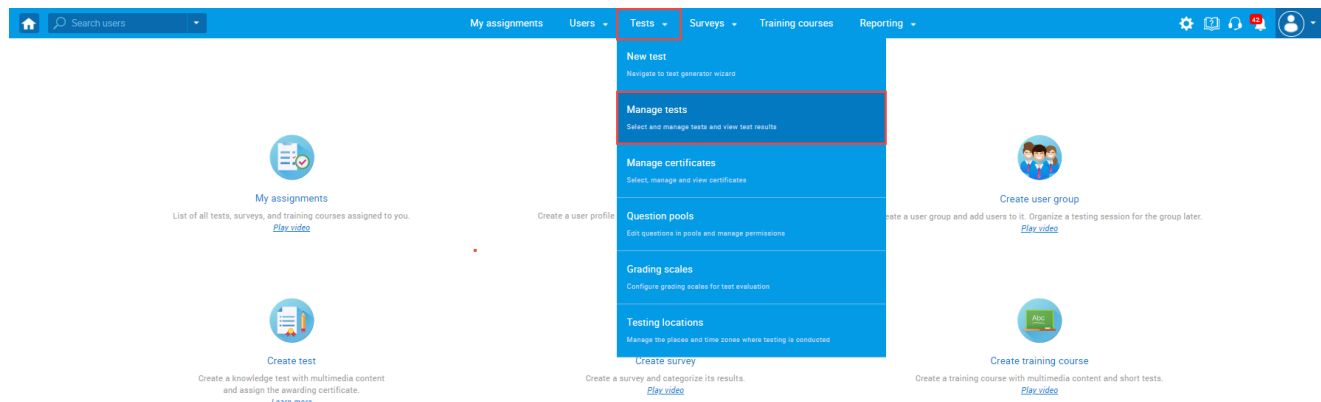
This document explains how to connect the YouTestMe test to the ILIAS, start the test from ILIAS course, and review the grade sent from YouTestMe.

## 2 Organizing a testing session

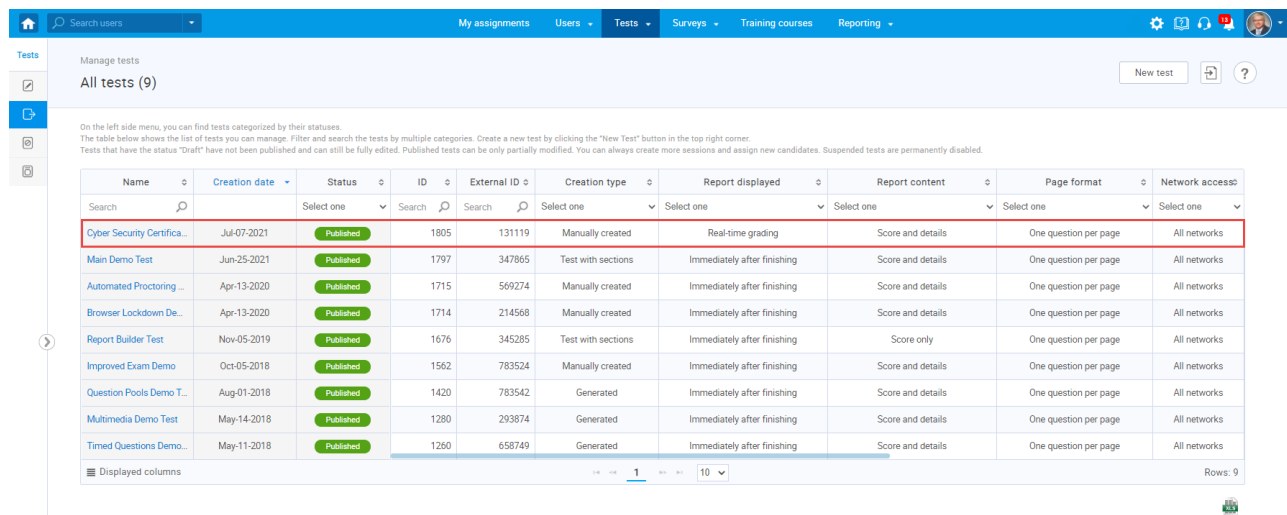
Once you have created a test, you should organize a testing session.

For more information on how to create a simple test, please check this [link](#). Also, for instructions on creating tests with sections, watch this [video](#).

To access the “Testing session” page for the test, navigate to “Tests” in the main menu, then select “Manage tests”.



After the table with all uploaded tests is displayed, open the desired test.



Then, navigate to the “Testing sessions” tab.

The screenshot shows the 'Testing sessions' tab for a 'Cyber Security Certification Test'. The interface includes a top navigation bar with 'My assignments', 'Users', 'Tests', 'Surveys', 'Training courses', and 'Reporting'. Below the navigation, there are tabs for 'Settings', 'Testing sessions', 'Candidates', 'Monitoring', 'Questions', 'Grading scales', 'Report builder', 'Summary report', 'Managers', and 'Proctors'. The 'Testing sessions' tab is active, displaying three session cards: 'Session - Finance department', 'Session - HR department', and 'Session - IT department'. Each card shows details such as 'Available now', 'Location: Toronto', 'Start time: Jul-07-2021 12:00 AM EDT', 'End time: Aug-31-2022 12:00 AM EDT', 'Copy access link', 'Copy meeting link', 'Training course', 'Group', 'Candidates' (16, 13, and 18 respectively), 'Pricing', 'Booking deadline', 'Cancellation deadline', and 'Session protection: Unlocked'. A 'New testing session' button is visible at the top left of the session list.

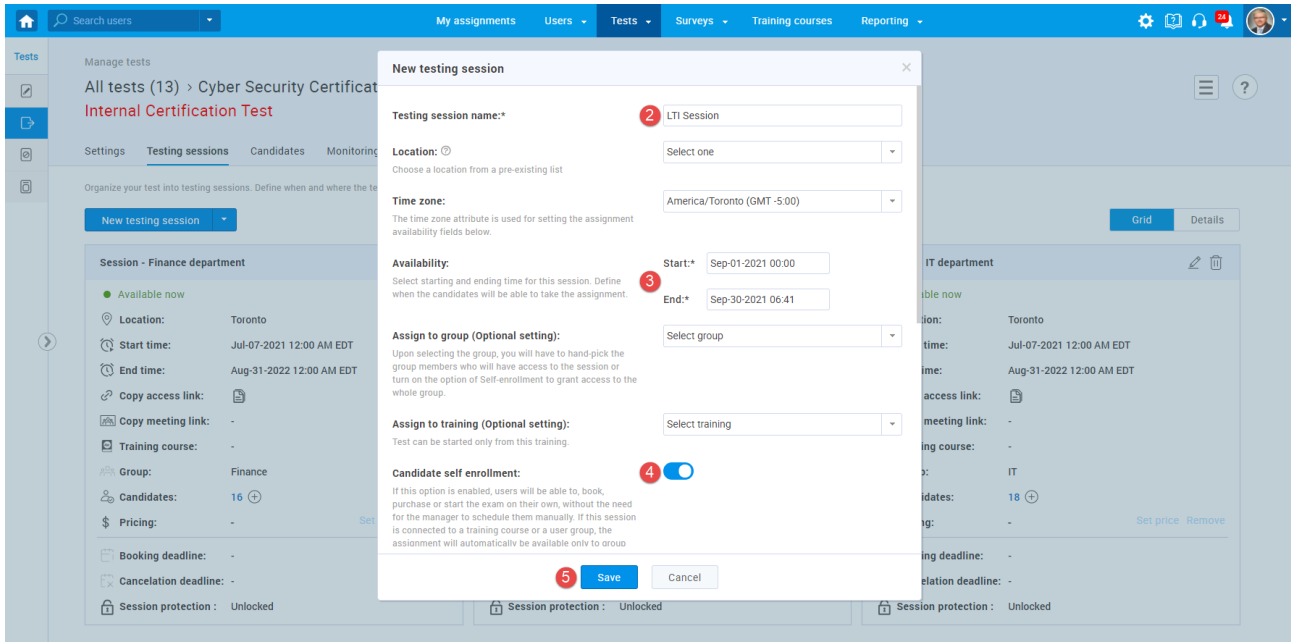
**Note:** The session must be ongoing when the test is started from ILIAS.

To create a testing session:

1. Click the “New testing session” button.

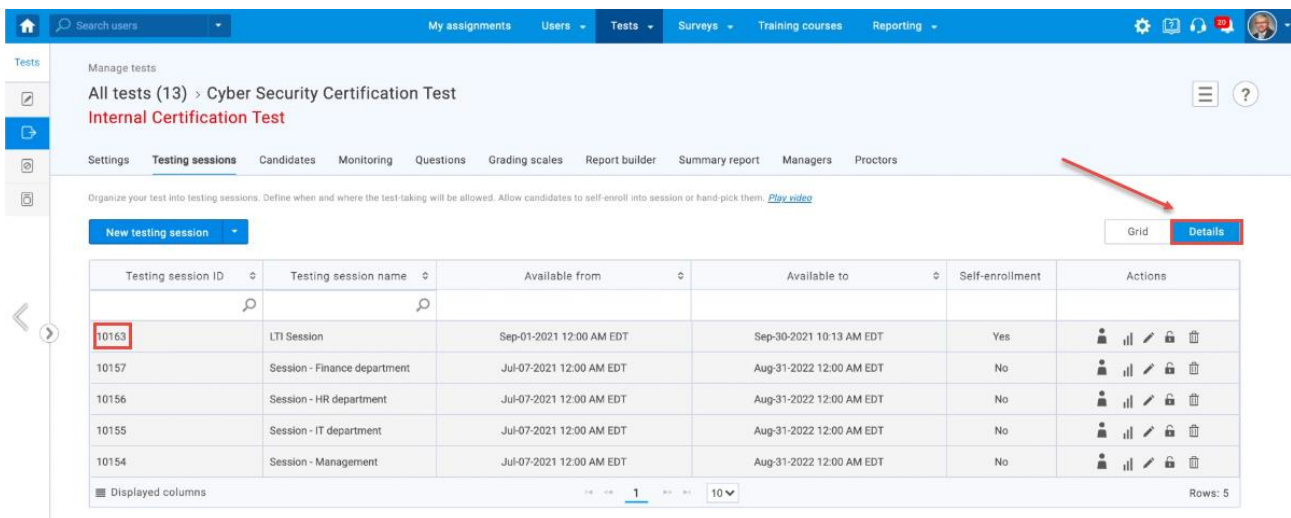
This screenshot is identical to the one above, showing the 'Testing sessions' tab for a 'Cyber Security Certification Test'. It displays three session cards for Finance, HR, and IT departments, each with detailed scheduling and access information. The 'New testing session' button is highlighted in the top left corner of the session list area.

2. Enter the session name.
3. Define the availability dates.
4. Turn on the “Candidate self enrolment” option.
5. Click the “Save” button.



### 3 Connecting the test with ILIAS

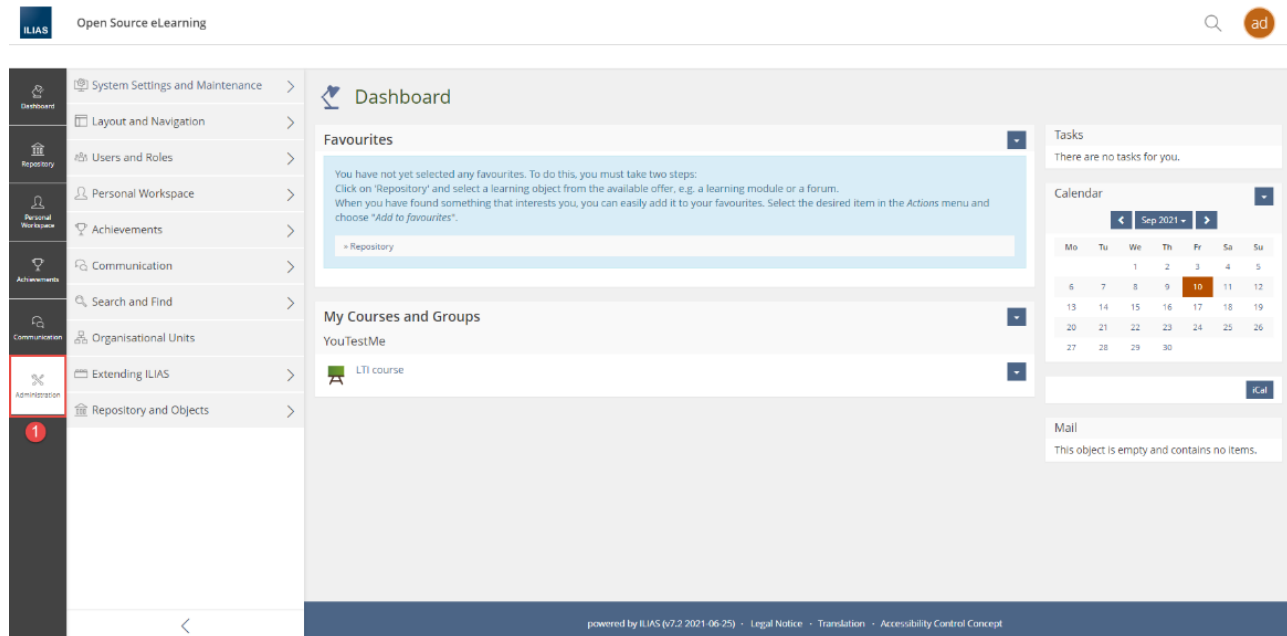
To connect the test with ILIAS, you need the **Testing sessions ID** that could be found in the Details preview.



## 4 Creating the test in ILIAS

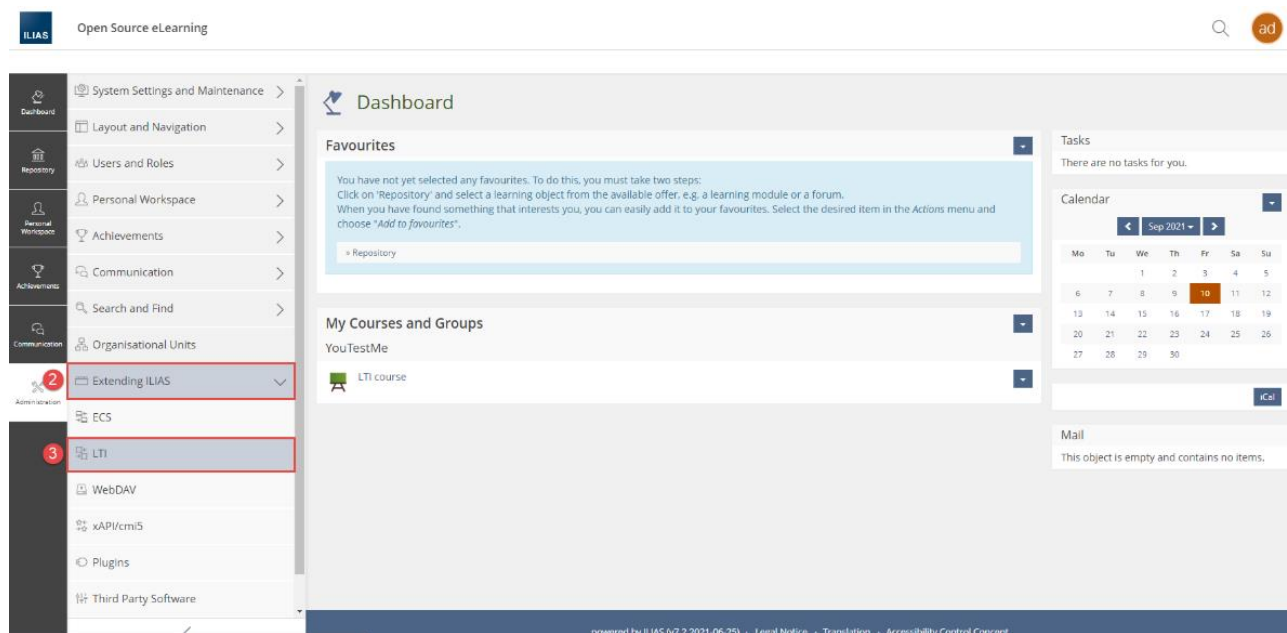
The next step is to access ILIAS with an admin account. Then:

1. Navigate to “Administration”.



The screenshot shows the ILIAS Open Source eLearning interface. The left sidebar contains a navigation menu with categories: Dashboard, Repository, Personal Workspace, Achievements, and Communication. Under the 'Administration' category, the 'Administration' menu item is highlighted with a red box and a red circle containing the number '1'. The main content area displays the 'Dashboard' with sections for 'Favourites', 'My Courses and Groups', 'Tasks', 'Calendar', and 'Mail'. The 'Favourites' section contains a message about selecting favourites. The 'My Courses and Groups' section shows a course named 'LTI course'. The 'Calendar' section shows a calendar for September 2021. The 'Mail' section is empty.

2. Click “Extending ILIAS”.
3. Choose the “LTI” component.



The screenshot shows the ILIAS Open Source eLearning interface. The left sidebar contains a navigation menu with categories: Dashboard, Repository, Personal Workspace, Achievements, and Communication. Under the 'Administration' category, the 'Extending ILIAS' menu item is highlighted with a red box and a red circle containing the number '2'. The 'Extending ILIAS' sub-menu is expanded, and the 'LTI' sub-item is highlighted with a red box and a red circle containing the number '3'. The main content area displays the 'Dashboard' with sections for 'Favourites', 'My Courses and Groups', 'Tasks', 'Calendar', and 'Mail'. The 'Favourites' section contains a message about selecting favourites. The 'My Courses and Groups' section shows a course named 'LTI course'. The 'Calendar' section shows a calendar for September 2021. The 'Mail' section is empty.

ILIAS represents consumer, while YouTestMe represents provider, so you have to navigate to the “**ILIAS as LTI Consumer**” tab.

The screenshot shows the ILIAS administration interface for LTI. The breadcrumb trail is Administration > LTI. The main navigation bar includes Dashboard, Repository, Personal Workspace, Achievements, Communication, and Administration. The current page is titled "LTI" and "Learning Tools Interoperability". The sub-navigation bar shows "ILIAS as LTI Provider", "ILIAS as LTI Consumer" (highlighted with a red box and a red arrow), and "Permissions". Below this, there are tabs for "Global Providers for all Users", "Providers Defined by Users", and "Usage". Two buttons are visible: "Add Global Provider for all Users" (highlighted with a red box) and "Import Global Provider for all Users with XML File". The main content area displays a table of LTI Providers. The table has columns for Icon, Title of Provider, Description, Keywords, Predefined with Key / Secret, Availability, and Repository Usages. There are 5 providers listed.

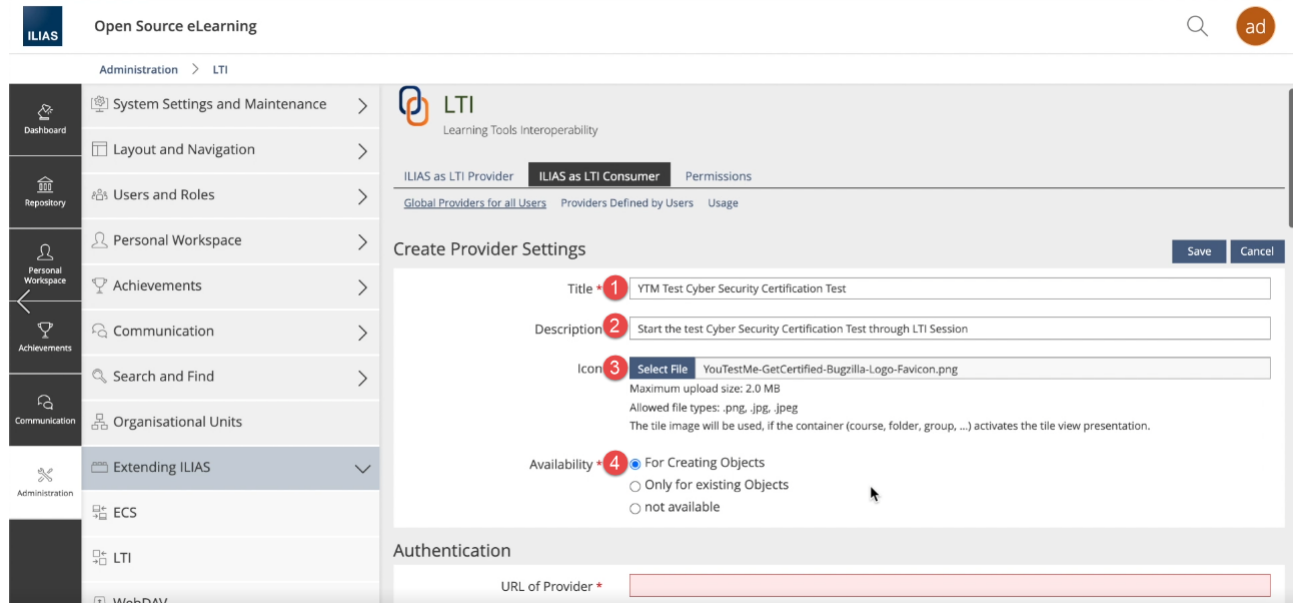
Icon	Title of Provider	Description	Keywords	Predefined with Key / Secret	Availability	Repository Usages
	YouTestMe test			Yes	For Creating Objects	1
	YouTestMe Local	This provider is only for local YTM debugging purposes.		Yes	For Creating Objects	
	YouTestMe assessment			Yes	For Creating Objects	1
	YTM Test - Improved Exam demo - LTI session	Start the YTM Test "Improved Exam demo" through LTI session		Yes	For Creating Objects	1

Then, click on “**Add global Provider for all Users**”.

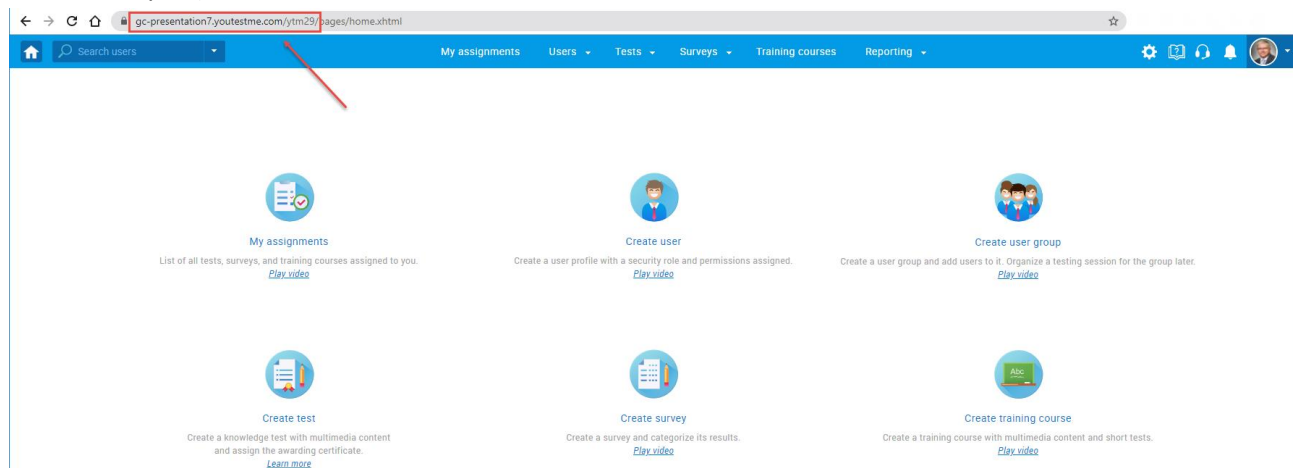
This screenshot is identical to the one above, but with a red box highlighting the "Add Global Provider for all Users" button and a red arrow pointing to it from the text above.

The next steps are:

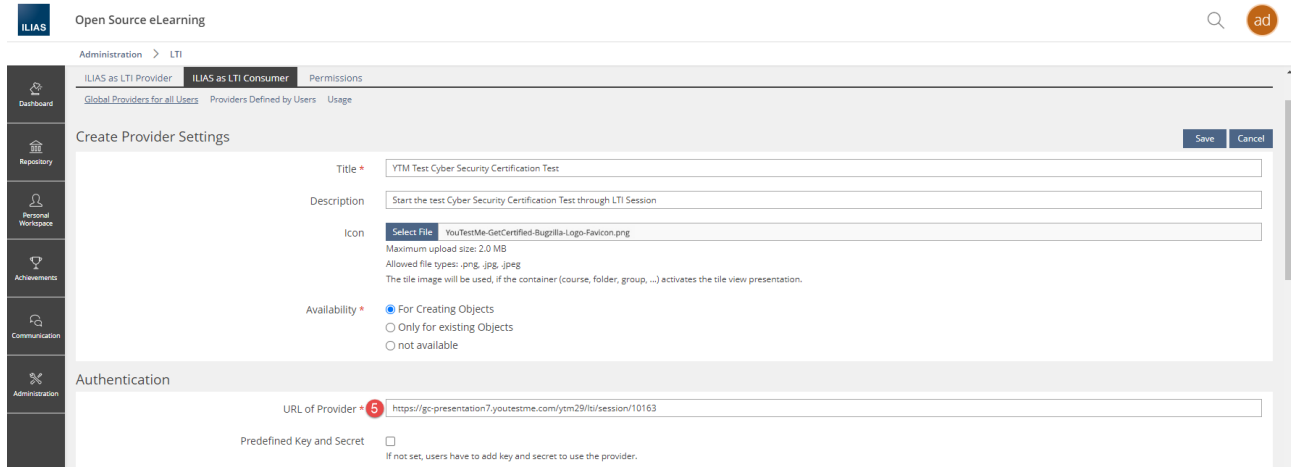
1. Enter the title.
2. Optionally enter the description.
3. Optionally upload an icon of the test by clicking “Select file” and choosing the desired icon.
4. Set the availability – **For Creating Objects**.



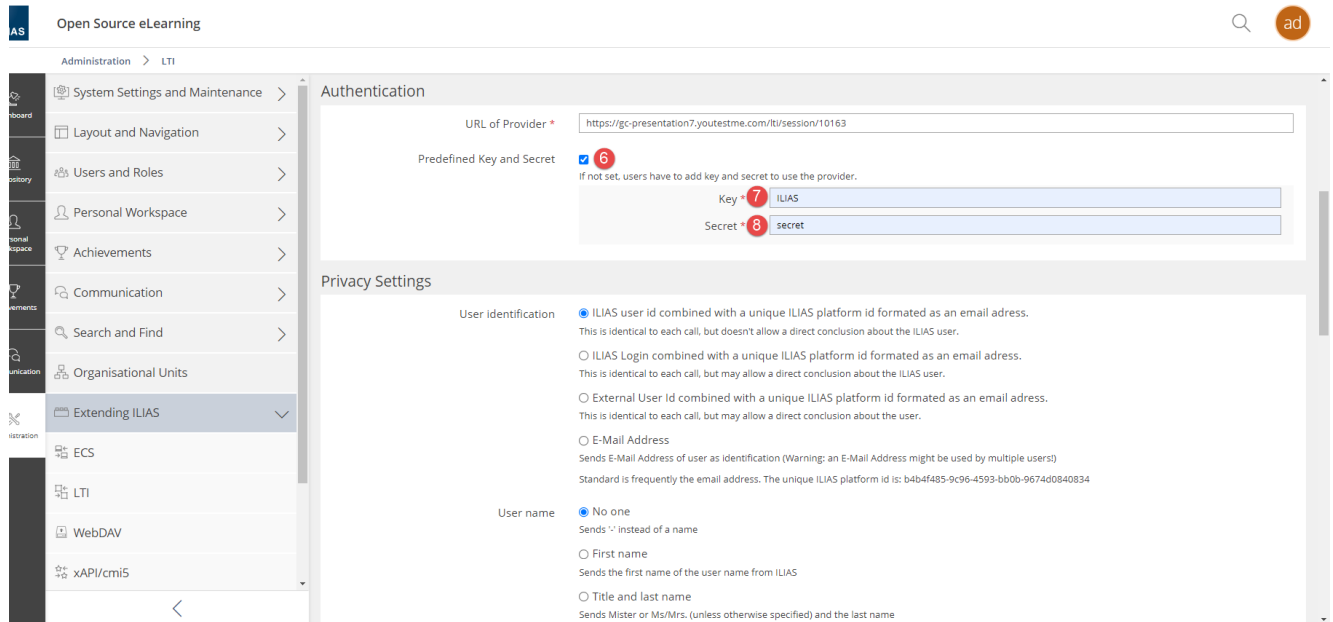
5. Copy the GetCertified link in the “URL of Provider” field in the following form - Copy marked part of the link for your application, then add “**lti/session/**” and **ID of the session** (displayed in the first chapter).







6. Tick the box next to the label “Predefined Key and Secret”.
7. Enter any value for the “Key” field.
8. Type in “secret” for the “Secret” field.



9. Tick the box next to the label “**Provider supports Outcome service**” to enable transferring of test results from YouTestMe to ILIAS.
10. Define the passing mark for the test.

The screenshot shows the ILIAS Administration interface for LTI configuration. The left sidebar contains navigation options like Dashboard, Repository, Personal Workspace, etc. The main content area is titled 'Options for Learning Progress'. In this section, the checkbox for 'Provider supports Outcome Service' is checked, and a red circle with the number '9' highlights it. Below this, the 'Default Mastery Score' is set to '40.00 %', with a red circle and '10' highlighting the percentage value. A note explains that the Learning Progress will be evaluated from the Provider Outcome Service and the mastery score threshold.

11. For “**Launch Options**”, select “**LTI User is always Learner**”.

This screenshot shows the 'Launch Options' section of the LTI configuration page, which is highlighted with a red box. The checkbox for 'LTI User is always Learner' is checked, and a red circle with the number '11' highlights it. The text below this option states: 'Usually the role in ILIAS is mapped to a LTI role. Course Administrators could have more rights in the Provider, e.g. to manipulate the object. Activate this option to avoid the Role Mapping.' Other options like 'Use Provider ID' and 'Provider supports request of xAPI-Statements' are unchecked.

12. In “Options to group and filter Providers”, select “Assessment”.
13. Save the configuration by clicking the “Save” button.

The screenshot shows the ILIAS Administration interface. The left sidebar contains navigation menus for Dashboard, Repository, Personal Workspace, Achievements, Communication, Organisational Units, Extending ILIAS, ECS, LTI, and WebDAV. The main content area is titled 'Options to group and filter Providers'. It includes a 'Keywords' input field, a 'Category' dropdown menu with radio buttons for Organisation, Communication, Content, Assessment (selected), and Feedback and Evaluation. Below this is a 'Hints' section with an 'Internal Remarks' text area. At the bottom right, there is a 'Save' button highlighted with a red circle and the number 13, along with a 'Cancel' button.

The test will be shown in the list.

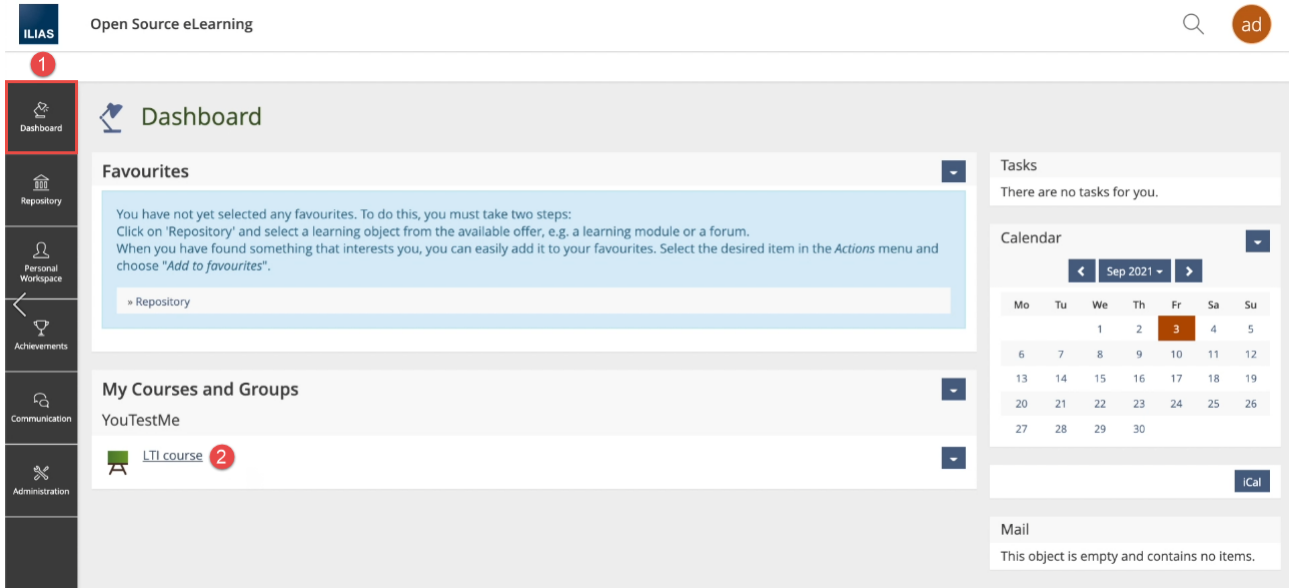
The screenshot shows the ILIAS Administration interface displaying a list of providers. The table has columns for Icon, Title of Provider, Description, Key-words, Predefined with Key / Secret, Availability, and Repository Usages. The provider 'YTM Test Cyber Security Certification Test' is highlighted with a red box. Below the table, there is a 'Reset Providers as User Defined' button and an 'Execute' button.

Icon	Title of Provider	Description	Key-words	Predefined with Key / Secret	Availability	Repository Usages	Actions
	YouTestMe test			Yes	For Creating Objects	1	Actions
	YouTestMe Local	This provider is only for local YTM debugging purposes.		Yes	For Creating Objects		Actions
	YouTestMe assesment			Yes	For Creating Objects	1	Actions
	YTM Test - Improved Exam demo - LTI session	Start the YTM Test "Improved Exam demo" through LTI session		Yes	For Creating Objects	1	Actions
	YTM Test Cyber Security Certification Test	Start the test Cyber Security Certification Test through LTI Session			For Creating Objects		Actions

## 5 Adding the test to course

To add the test to the course:

1. Navigate to the “**Dashboard**” by clicking that option in the left-side menu.
2. Open the desired course.



ILIAS Open Source eLearning

Dashboard

**Favourites**

You have not yet selected any favourites. To do this, you must take two steps:  
Click on 'Repository' and select a learning object from the available offer, e.g. a learning module or a forum.  
When you have found something that interests you, you can easily add it to your favourites. Select the desired item in the *Actions* menu and choose "Add to favourites".

> Repository

**My Courses and Groups**

YouTestMe

LTI course 2

**Tasks**

There are no tasks for you.

**Calendar**

Sep 2021

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

iCal

**Mail**

This object is empty and contains no items.

3. Click the “Add New Item” button.
4. Select the “LTI Consumer” option.

The screenshot shows the ILIAS interface for an 'LTI course'. A red circle with the number '3' highlights the 'Add New Item' button in the top left. A dropdown menu is open, showing various categories. A red circle with the number '4' highlights the 'LTI Consumer' option under the 'Assessment' category. The interface includes a sidebar with navigation options like Dashboard, Repository, Personal Workspace, Achievements, Communication, and Administration. The main content area has tabs for Content, Info, Settings, Members, Learning Progress, Metadata, Export, Permissions, and Show Member View. A calendar widget is visible on the right side.

5. Choose the test.

The screenshot shows the ILIAS interface displaying a table of LTI providers. The table has columns for Icon, Title of Provider, Description, Keywords, Predefined with Key / Secret, and Usages. The provider 'YTM Test Cyber Security Certification Test' is highlighted. Below the table, there are three options: 'Option 2: Create Own Provider Settings', 'Option 3: Copy Consumer', and 'Option 4: Copy Existing Provider Settings'.

Icon	Title of Provider	Description	Keywords	Predefined with Key / Secret	Usages
	YouTestMe test			Yes	1
	YouTestMe Local	This provider is only for local YTM debugging purposes.		Yes	
	YouTestMe assessment			Yes	1
	YTM Test - Improved Exam demo - LTI session	Start the YTM Test "Improved Exam demo" through LTI session		Yes	1
	<u>YTM Test Cyber Security Certification Test</u>	Start the test Cyber Security Certification Test through LTI Session			

6. For “Options for launch”, choose the “Own Window” or “New Window”.
7. Click the “Save” button.

Open Source eLearning

Repository > YouTestMe > LTI course > YTM Test Cyber Security Certification Test

### Authentication

Key \* ILIAS

Secret \* secret

### Options for Learning Progress

Mastery Score  %  
Format: ###.##  
The Learning Progress will be evaluated from the Provider Outcome Service and the mastery score threshold.

### Options for launch

Options for Launch \* 6

- Own Window  
The content is opened in the same window and replaces the ILIAS Screen. When leaving the content the user returns to ILIAS.
- New Window  
The content is opened in a new window. When leaving the content this window gets closed.
- Embedded Content  
The content is opened within the ILIAS context. It is presented as embedded content within the content tab.

\* Required

7 Save Cancel

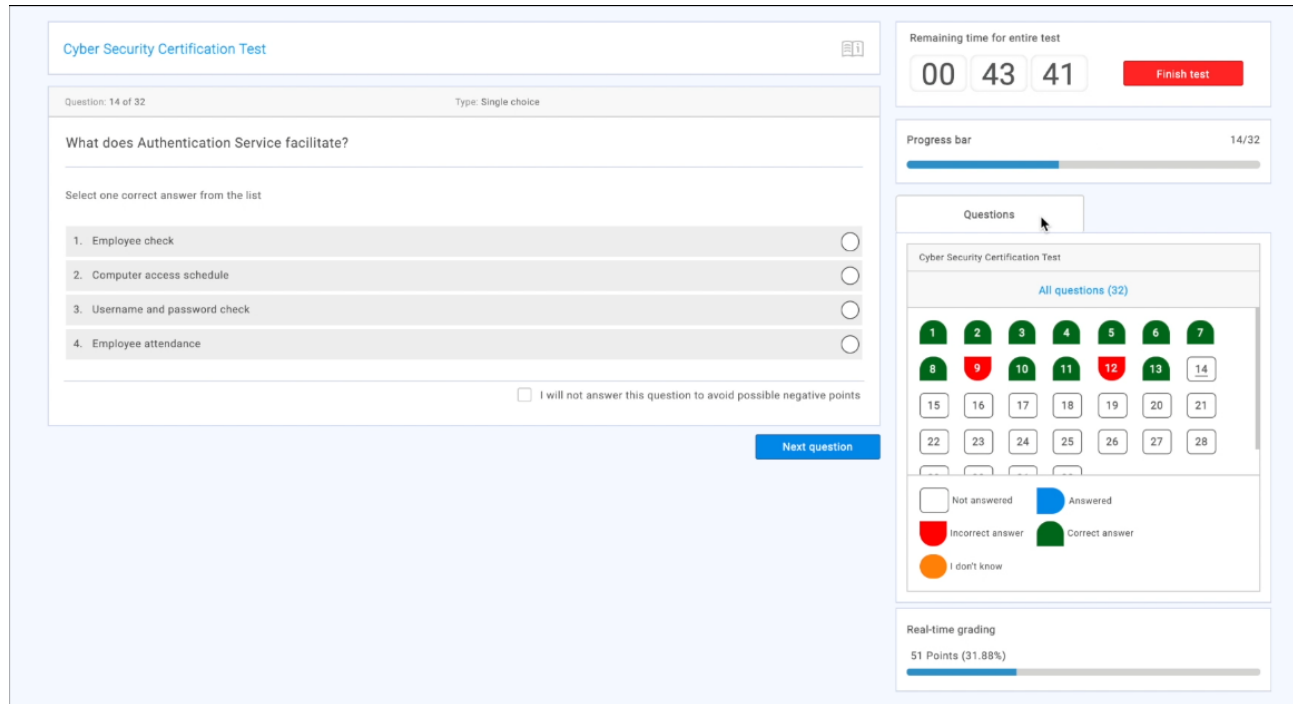
The test is added to LTI Course.

## 6 Taking the test

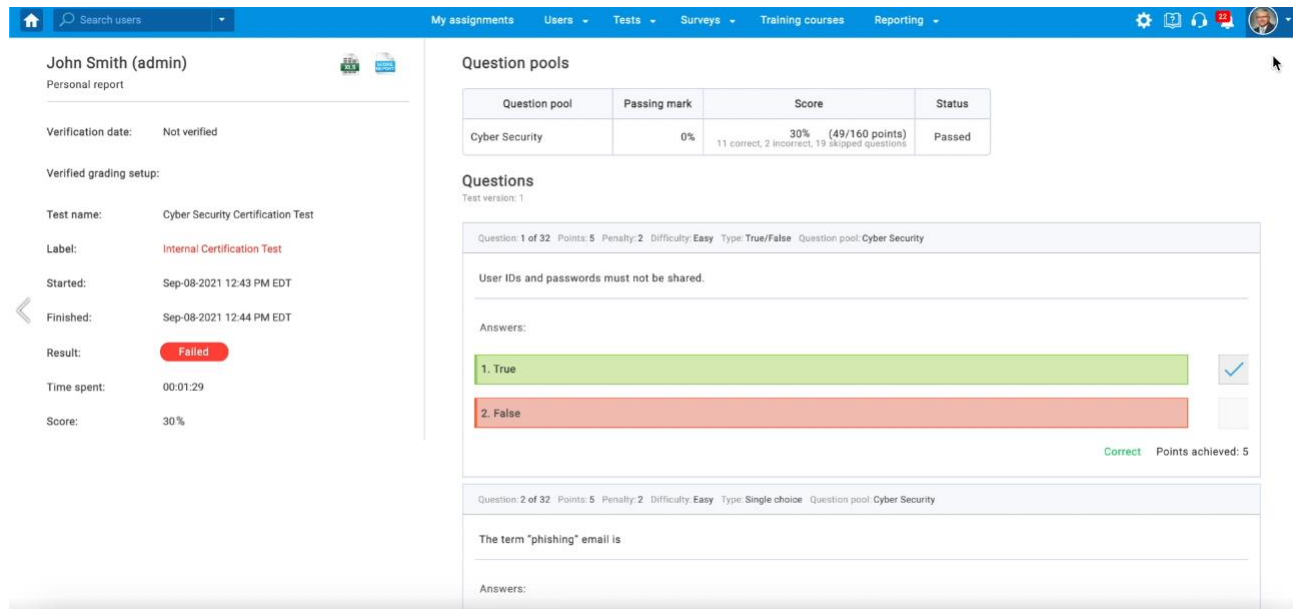
Then, the candidate can click the “Launch” button, and he/she will be directly navigated to YouTestMe GetCertified.

If the candidate does not have an account in YouTestMe GetCertified, the system will create it automatically once the test is started.

Example of the test-taking page



Depending on test settings, the candidate may see a personal report once finishes the test. *An example is in the picture below.*

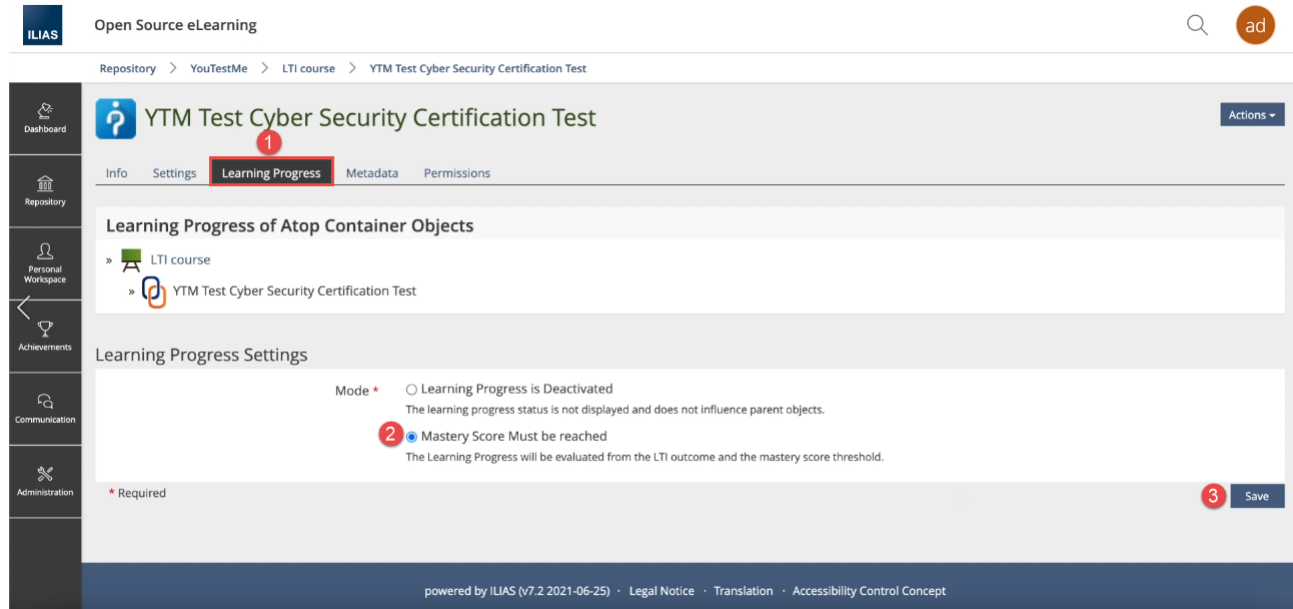


Once logged out from the application, the user will be navigated to ILIAS.



Then:

1. Navigate to **“Learning Progress”**.
2. Select the **“Mastery Score Must be reached”** option.
3. Click the **“Save”** button.



4. Navigate to **“Personal Learning Progress”**, and there you will be able to see status and percentages achieved on the test.

