# YouTestMe

Scorm and Tin Cap API





File name	R053 - Output needs to be compatible with one or more of the following formats, but minimally with SCORM 1.2			
Author YouTestMe				
Confidentiality	Internal or Public			
Last save date	Tuesday, October-25-2022 at 3:37:00 PM			

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## **1** Introduction

This document's purpose is to explain the requirement R053 - Output needs to be compatible with one or more of the following formats, but minimally with SCORM 1.2:

- SCORM 1.2
- SCORM 2004 (up to 4th edition)
- AICC
- IMS
- NLN
- Tin Can API



# 2 Exporting test as SCORM and xAPI package

Hover over the **Tests** tab in the main menu and select **Manage tests**.

		Homepage					Q Search anything	<b>-</b>
A Home		Welcome John Smith,					Recent activity @	
Assignments		Your role is Administrator. Your security role is intended for:					Recent activity 🔤	
Assignments							Test "Multimedia Demo Test" is started 14 minutes ago	
St Users		- Overseeing the entire system					14 minutes ago	
-		- Configuring system settings					Test "Multimedia Demo Test" is started 14 minutes apo	
C Tests	- A -	- Examining reports						
							Training course "moj trening" is created about 24 hours ago	>
New test		As a start, we advise you to:					Question pool "BOJANAAA" is created	
Manage tests		1. Click the Tests option from the main menu					a day ago	,
	_	2. Select the Manage tests option					Question pool "BOJANA" is created	>
Manage certificates		3. Under the Name column, search for Report Builder Test and select it					a bay ago	
		4. Select the Summary report to see the overall statistics					<< < 1 2 3 > >> 5	~
Question pools		5. Select the Report builder to generate your report.						
Grading scales				0	*	0	View all activity	
		my tests	Sew user		🕉 New user group			
E-testing center	-	View the list of tests you can edit, grade or monitor depending on the role assigned to you.	Create a user profile with a pre-created role in accordance wit required permissions.	th:	Organize existing users in a group to easily schedule tests or generate reports for that group specifically.			
						-		
Surveys	*	View	Create		Create			
-								
Training courses	Ť	New test	New training course	0	New survey	0		
Reporting		Create a test with preferred settings and schedule it for the desired	Create a training as a series of lessons organized into steps.	Add	Create a survey with preferred settings and schedule it for the			
and the post of the		time period.	materials and schedule a test to check the knowledge.		desired time period.			
System		Create	Create		Create			
	~							

#### Open previously created test by clicking its name in the table.

	All tests (61) Manage tests			+ Net	w test Import data 💌	Q Search anything	0 Q 🖡 🎯 v
A Home	All tests						
Assignments •	Name †↓	Creation date 🦼	Status ↑↓	ID ↑↓	External ID $\uparrow\downarrow$	Creation type $\uparrow\downarrow$	Proctored
	Q, Search		Select one ~	Q, Search	Q, Search	Select one $ \smallsetminus $	
Users 👻	Banking - Certification Exam	Sep-07-2022	Suspended	1872		Generated	No
Tests	Quick Quiz - Cryptocurrency	Sep-07-2022	Published	1871		Generated	No
New test	Quick Quiz - Banking - 20th Centu	Sep-07-2022	Published	1870		Generated	No
New lest	Quick Quiz - Introduction to Banki	Sep-07-2022	Published	1869		Generated	No
Manage tests	Informatics and Computing	Aug-17-2022	Published	1868		Manually created	No
Manage certificates	Is your business ready for Blockc	Aug-17-2022	Published	1867		Manually created	No
Question pools	Java Certification Practice Test	Aug-17-2022	Published	1866		Manually created	No
Grading scales	Principles of Taxation	Aug-17-2022	Published	1865		Manually created	No
	SQL Skill and Knowledge Assess	Aug-17-2022	Published	1864		Manually created	Yes
E-testing center 👻	Project Management Certification	Aug-17-2022	Published	1863		Manually created	No
Surveys			<< 1	2 3 4 5 > >	> 10 🗸		轞 🐛 🛛 Rows: 61
Training courses							
Reporting 👻							0
🕸 System							



Click the **Options** button in the top right corner, then:

- 1. Click the **Export as SCORM** button to download the test in SCORM format.
- 2. Click the Export as xAPI button to download the test in xAPI format.

	All tests (61) / Quick Quiz - Bankin Manage tests	9-2015 Century Options 🔺 Q. Search anything 💿 😥 📫 🚳 🗸
	Settings Testing sessions 0	Candidates Monitoring Questions Grading configuration Report builder Summary repol
f Home	Basic information	Export as PDF
Assignments 👻	Basic information	Test basic info Export test key
	Test instructions dialog settings	See and manage basic information about the test, add specific rules or guidelines that students need to acknowledge before s Suspend
🕒 Users 👻		Test ID: Test status: Create a copy
	In-test configuration	1870 Published Export as SCORM
🚡 Tests 🔺	Duration and layout	Export as XAPI
	Durandi and layout	Test name." Export to JSON
New test	Report settings	Quick Quiz - Banking - 20th Century Delete 'Preview' attempts
Manage tests		Test description:
	Pause and repeat settings	This is a short exam to check your own knowledge on the topic - Banking - 20th
Manage certificates	Security settings	This is a since earlied check your own knowledge on the topic - banking - 20th Century.
Question pools		Labet 0
	Result validity settings	
Grading scales	Certificate	
		Add test instructions:
E-testing center	Personal report settings	This is a practice exam with a passing mark of 0%, and its purpose is s
Surveys	Score report settings	Add acknowlindgment message.
Training courses	Language preference	I understand and agree with the instructions and rules of this assignme
	Attachments	Creation type.
Reporting 👻		Generated
	External attributes	
🕸 System 🔍		Test versions:

#### 2.1 SCORM and xAPI package

All test questions will be exported, all question types and with all scoring methods, but only questions with scoring method **Defining correct/incorrect answers** will properly be scored.

<u>Note</u>: Question types **Matching** and **Hot spot** with the manual scoring method will also be scored automatically.

	Question type	Grading works in exported SCORM/xAPI	
	Single choice	Yes	
	Multiple choice	Yes	
Ordering		Yes	
	Manual grading	No	
Fill in the blanks	Defining correct/incorrect answers	Yes	
	True/False	Yes	
Matching	Manual grading	Yes	
Matching	Defining correct/incorrect answers	Yes	
	Essay	No	
	Open-ended	No	
Matrix	Manual grading	No	
Matrix	Defining correct/incorrect answers	Yes	
Hot spot	Manual grading	Yes	
Hot spot	Defining correct/incorrect answers	Yes	



<u>Note</u>: At the moment, all types of questions are still included in the final score, no matter the scoring method (**Defining correct/incorrect answers, Manual grading** and **By answer weight**).

Tests will be exported in page format as defined in the application, so exporting tests with branching questions are supported. Since there are different creation types of tests, there are few things to be noted before exporting them:

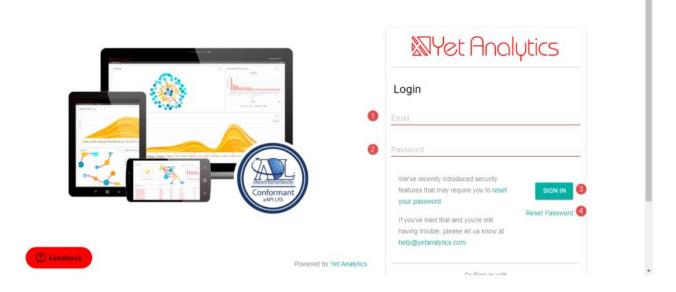
Creation type of test	Export as SCORM/xAPI
Manually created	If all versions are archived, you need to create a new version or copy the
tests	archived one then do the Export as SCORM/xAPI.
	If created and not started (no test version generated) it will create one
	version before doing export.
Generated tests	Unlike, manually created tests, generated tests, if there is no version that is
Generated tests	not archived, it will automatically create a new version before doing export.
	If more test versions are available for one test, it will export only one
	random version.
Test with sections	All sections will merge in one and then it will be exported as test without
Test with sections	sections.

## 3 Sending test results to LRS

The LRS settings assure the manager of a test to send each candidate's test results into the LRS system and track each candidate's success.

The given explanation is just an example of the Yet Analytics Learning Record Store integration with **GetCertified**. You can use any other Learning Record Store that supports Tin Can API (xAPI). Before you start configuring LRS parameters in the system settings, you need to log in to the LRS system. To set up your LRS parameters :

- 1. Visit the Yet Analytics link.
- 2. Sign up to receive the verification email.
- 1. After successful signing up into the LRS system, you can log in to the LRS. To do so :
- 1. Enter your email.
- 2. Enter password.
- 3. Click the Sign in button.
- 4. Click on the **Reset password** link if you forgot the password.



Once you logged in:

- 1. Click LRS Settings.
- 2. Click Info from the drop-down menu.

= 🕅 Yot XAPI LRS 🔍 Search Dashboards		Aleksandar 🔒
Aleksandar's Sandbox LRS: Getting Started ~ 1 LRS SETTINOS DASHBOARD SETTINOS Dash View Page 2 Info See A Admin		ADD NEW DATA CARD
LE Retire Using Dashboard Fiters	Number of Statements Using Deshboard Filters	
Aleksandar's Sandbox LRS ID: Sefdf554-d8b6-44d2-9631-33c135bf88f3 A trial LRS created for Aleksandar Last statement at Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)		
Ema Smith completed Send test results to LRS	Wed Sep 2	
Ema Smith answered What is the fastest time you can send or receive payment in bitcoin without verification?	Wed Sep 2 16	• Feedback

The pop-up window will open, and there you can see all the needed parameters you will insert in the **GetCertified**.



# Aleksandar's Sandbox LRS

fo	
ID	Endpoint
5efdf554-d8b6-44d2-9631-33c135bf88f3	https://trial-Irs.yetanalytics.io/xapi
redentials	https://trial-irs.yetanalytics.io/xap
	API Secret Key

CLOSE

To configure learning record store parameters, navigate to the **System** section in the main menu, select **Integrations**, find the **LRS settings** tab, and fill the following fields:

- 1. API endpoint insert the endpoint URL LRS has provided you.
- 2. API key insert the key, which provides you authentication.
- 3. API secret key insert the secret key used for the authentication process as well.
- 4. Click the "Confirm" button to save the configuration.



	Integrations	Q Search anything 👔 👔 👰 🗸
A Home	Single sign-on Webex settings LRS settings Proctoring settings E-commerce LTI settings OpenID settings	
Assignments 👻	LRS settings Enter Learning Record Store (LRS) parameters to set up automated sending text results to your LRS and enable efficient progress tracking. <u>Based more</u>	
🔐 Users 👻	API endpoint:	
🗑 Tests 💌	APi key: ①	
🖭 E-testing center 🗸 🗸	API secret key:	
🖬 Surveys 👻	Ari secret key:	
Training courses	Confirm Cancel	
Reporting -		
Settings and customization		
Integrations		
Maintenance		
(*)		

After the LRS parameters are configured, you can start sending results to the Learning Record Store.

- 1. Click the **Data transfer** button.
- 2. Select the Send test results to LRS option.

	All tests (61) / Quick Quiz - Banking - 20th Manage tests	Century				ot	otions 💌	Q Search anythi	ng	0 0 🔎 🎯 -
Aome	Settings Testing sessions Candio	ates Moni	itoring Questions	Grading configuration	Report builder Sur	mmary report	Managers	Proctors Autr	horizations C	Comments
Assignments 🗸	October 25, 2022 Show all		All candidates					A	actions 💌 🛛 D	1 Filter
🖨 Users 👻	Sep-01-2022 03:55 PM EDT Available now		Username †↓	Session †↓	Status ↑↓	Result	Score (%) ↑↓	Test finished	Grade res	Send test results to LRS Export direct testing links
	Training Course Testing Session 2		Q. Search	Training Course Tes	Select one ~	Burned	100.00	Yes	Yes	
Tests 🔺	« < 1 > »		aaron	Training Course Tes	Not attempted	Passed	100.00	Yes	Yes -	Yes
New test										
Manage tests		∎ Dis	played columns		~~ <	1 > >>	10 🗸			💼 🕵 Rows: 2
Manage certificates										
Question pools										
Grading scales										
😰 E-testing center 👻										
Surveys										
Training courses										
Reporting 👻										0
🕸 System 🔍										



Currently supported is to send only the results of tests that contain:

- 1. True/False questions.
- 2. Single choice questions.
- 3. Multiple choice questions.

Currently is not supported to send test results:

- 1. Generated tests.
- 2. Tests with sections.

When the process of sending results to the LRS system starts, you should wait a few seconds to transfer the test to the LRS. This situation happens mostly when many candidates have completed the test, and multiple results are available to send.

<u>Note</u>: The picture above shows that only one test result is sent to LRS because only one candidate has attempted the test. Now, login to the LRS with your credentials, and you can see that the results are sent and stored successfully.

= 🔊 Yet xAPI LRS	Q Search Dashboards			Aleksandar 🛕
Aleksandar's Sandbox LRS				
A trial LRS created for Aleksandar				
Last statement at Wed Sep 23 2020 15:05:11 GMT+0200	(Central European Summer Time)	Wed Sep 2		
	in send or receive payment in bitcoin without verification?	Wed Sep 2	160	
Ema Smith answered Which of the following areNOT	a valid way to get a bitcoin?	Wed Sep 2		フ
Ema Smith answered Bitcoin is protected by encrypt	ion. The form of encryption used is called:	Wed Sep 2		
E Ema Smith answered Bitcoins can be divisible down	to the eighth decimal point. What is that unit called?	Wed Sep 2		
E Ema Smith answered Which of the following names		Wed Sep 2		
Consigning on the second secon	that eald deven and other ereducte for biteein user ebut down by the S	Þ	ber of Statement 🗘	Teedback

You can see on the photo information about which questions the candidate has answered and that the candidate has completed the test.



Highest  Actor  Limit 5  Activity Log Using Dearboard Fiters				
5f6b4807-9c96-4cf0-8418-f28f8750b9fd	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	completed	Send test results to LRS
5f6b4807-d373-4e6e-b454-cf9987eec058	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	What is the fastest time you can send or receive payment in bitcoin with
5f6b4807-8645-4a0e-b756-c9e13aefe218	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	Which of the following areNOTa valid way to get a bitcoin?
5f6b4807-acc9-4ab8-9423-6f38c4aa4286	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	Bitcoin is protected by encryption. The form of encryption used is called.
5f6b4807-cc9c-472e-9a83-f75ccdc3e710	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	Bitcoins can be divisible down to the eighth decimal point. What is that u
5f6b4807-e7e1-45ec-92fd-c169429700a6	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	Which of the following names are NOT a fan of bitcoin?
5f6b4807-89e7-4366-807f-bab2904341ea	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	An illegal underground market that sold drugs and other products for bits
	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	The computers that process transactions for the bitcoin network are com

In the Activity Log section, you can see that all the statements show the information which questions in the text the candidate has answered and completed the test. All the statements LRS noted, you can sort by the Timestamp to see the latest information about the test results sent to the LRS. The integration with LRS helps you easily track the candidates' performance after completing the test and compare their test results.