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
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Confidentiality	Public
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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".



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

î				My assignmen	nts	Users 👻	Tests	- Surv	eys 🗸 Trai	ning courses	Reporting 👻	System 👻		🖾 I 🗘 I	•
Tests	Manage tests														
	All tests (14)												New test	🛓 Load	?
₽	On the left side menu you	can fi	nd tasts estanorized by the	ir etatueae											
0	The table below shows the Tests that have the status	list o "Draft	f tests you can manage. Fil have not been published a	ter and search the test and can still be fully ec	ts b diteo	y multiple catego d. Published test	ories. Create a s can be only	a new test by partially more	clicking the "New dified. You can alv	r Test" button in vays create mor	the top right corner. e sessions and assig	n new candidates. Su	spended tests are per	manently disabled.	
ō	Name	<u>^</u>	Creation date	Status	^	ID A	Exter	nal ID 🗠	Creatio	on type 🌣	Repor	displayed	0 Ren	ort content	A
	Cyber S	۰ ۵	oreation date	Select one	•	Search Q	Search	D D	Manually crea	ated v	Select one	alopiayea	 Select one 	or content	,
	Cyber Security Certifica	ati	Jul-07-2021	Published		1805		131119	Manually	v created	Real-t	me grading	Sco	re and details	
	Displayed column:	s					ान रन	1	▶ 10 ¥	,				Ro	ws: 1
								_							-
6															XLS

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.

		My assignments	Users 🗸 Tests 🗸	Surveys 👻 🧎	Fraining courses	Reporting 👻	System 👻	🖾 I 🗘 I '	<u>• () -</u>
Tests	sts Manage tests								
	All tests (14) \rightarrow Cyber Security Certification Test							?	
G	Internal Certification Test Preview								
	Pattinga Testing sessions Condidates	Monitoring Questions	Crading configuration	Deport builder	Cummory report	Managara	Drootoro	Export as PDF	
0	Settings resting sessions candidates	Monitoring Questions	Grading configuration	Report builder	Summary report	Managers	PIOCIOIS	Export test key	
ō	Settings	Basic informatio	n					Suspend	
	octingo	Busic informatio						Create a copy	
	Basic information	Test ID:	1805					Export as SCORM	
							2	Export as xAPI	
	In-test configuration	Status:	Published					Export to JSON	
	Duration and layout	Name:*	Cyber Security Certification	Test				Delete 'Preview' attempts	
	Benort settings	Description:	Ouestions in this test embra	ice some basic					
neport settings decemption. according to the conception of the con									
	Pause/Repeat settings		necessary to protect busine	sses. Raise					
	Panivity anttinga		cuhersecurity awareness tra	ain and test your					

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.

Note: 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		
Fill in the blanks	Manual grading	No		
FIII IN the Dialiks	Defining correct/incorrect answers	Yes		
	True/False	Yes		
Matching	Manual grading	Yes		
watching	Defining correct/incorrect answers	Yes		
	Essay	No		
	Open-ended	No		
Motrix	Manual grading	No		
IVIALITX	Defining correct/incorrect answers	Yes		
List cost	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 is 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.
Generated tests	If created and not started (no test version generated) it will create one version before doing export.
	Unlike, manually created tests, generated tests, if there is no version that is 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 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 <u>Yet Analytics</u> link.
- 2. Sign up to receive the verification email.

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.

Refer to account of the second	Wet Analytics
	Login
	Email
	Password
	We've recently introduced security features that may require you to reset SIGN IN 3
	Reset Password
	having trouble, please let us know at
	help@yetanalytics.com.
Powered by Yet Analytics	
	Or Cian In with

Once you logged in:

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





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

al LRS created for Aleksandar	
nfo	
ID	Endpoint
5efdf554-d8b6-44d2-9631-33c135bf88f3	https://trial-lrs.yetanalytics.io/xapi
redentials	
	API Secret Key
API Key	

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.



	My assignments	Users - Tests - Surveys -	Training courses Reporting 👻	System - 😰 🎧 🏝 🧔 -
Integrations				?
Single sign-on Webex settings LRS setting	s Proctoring settings			
LRS settings Enter Learning Record Store (LRS) parameters to set up at	itomated sending test results to your LRS	s and enable efficient progress tracking. <u>Read n</u>	lore	
1 API endpoint:				
2 API key: 🔊				
3 API secret key: 🔊				
Confirm Cancel				

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.

î		My assignments Users	🗸 Tests 🖌 Surveys 🗸	Training courses Reporting	← System ← [🕲 🗛 🌲 🍥 *	
Tests	Manage tests						
	All tests (14) > Main Demo Tes	t					
₽	Settings Testing sessions Candidates	Monitoring Questions Gradi	ng configuration Report builde	er Summary report Manager	s Proctors		
0	Testing sessions	All candidates - Candid	ates				
ō	Show all candidates	Add or remove candidates from this te	st. View test attempts and grade them.				
	Session 1	Marked for review: 0	tarked for review: 0 From To				
	Finished Add candidates	Username \$	Session \$	tatus 💠 Score (%) 🗘	Result \$ Actions	Test finished	
		Q	Select or	ne 🗸			
		student S	ession Report	t complete 97.78	Passed 5 🖒 📊 🖉 🖺	Yes	
Q	>)	Displayed columns	14	a ≪a <u>1</u> № №1 10 ¥		Rows: 1	
		Actions 1 Data Transfer	- Show suspended attemp	ots			
		Import Scantron r	to LBS				
		Export direct test	ing links				

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.



= 🕅	Vet xAPI LRS & Search Dashboards				Aleksandar 🚺	
Alek ID: 5efe A trial I	Ksandar's Sandbox LRS fdf554-d8b6-44d2-9631-33c135bf88f3 LRS created for Aleksandar					^
Last st	Etatement at Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Wed Sep 2	-	\sim		
E	Ema Smith answered What is the fastest time you can send or receive payment in bitcoin without verification? Ema Smith answered Which of the following areNOTa valid way to get a bitcoin?	Wed Sep 2 Wed Sep 2		69		
e	Ema Smith answered Bitcoin is protected by encryption. The form of encryption used is called: Ema Smith answered Bitcoins can be divisible down to the eighth decimal point. What is that unit called?	Wed Sep 2 Wed Sep 2				
G	Ema Smith answered Which of the following names are NOT a fan of bitcoin?	Wed Sep 2				
4		•	Number of Statement	÷	⑦ Feedback	

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

• 🔊 Yet xAPI LRS	Q Search Dashboards			Aleksandar 🛕
	Highest 🗘 Actor	Cimit 5		
Activity Log Using Dashboard Filters				
Statement ID	↑ Statement Timestamp	Actor Name	Verb Display	Object Activity Name
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 without
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 bitc
5f6b4807-ba0a-4b36-b1fc-b0262dc26645	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
5f6b4807-6ae6-4e49-893d-8a32a795b22d	Wed Sep 23 2020 15:05:11 GMT+0200 (Central European Summer Time)	Ema Smith	answered	What month\year did the bitcoin network start?

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.