

Requirement	Using question pools as Learning topics
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1 Introduction

This article explains how to use question pools as Learning topics.

2 Importing questions using QTI

Hover over the "Tests" tab in the main menu and select "Question pools".





To create a question pool, follow the steps below:

- 1. Select the "New" button.
- 2. In the pop-up dialog, enter the desired name of the question pool.
- 3. Enter a description (optional).
- 4. Click the **"Save"** button.

Search users My assignment	iments Users -	Tests 👻		Training courses	Reporting 👻	🕮 i 🖓 i 🏚 🎯 🕯
New Import from JSON Import from Excel						(?)
My pools All pools						
					l. You can use	
 Pools (67, 418) , □ All Question Types (16, 17) 				<u>Play video</u>		
Astronomy - Advanced Level (0, 4)	New pool			×	odify" role. The	
Astronomy - Basic Knowledge (4, 11) Cyber Security (0, 32)					s to manage the	
→ Digital Marketing (2, 12)	Name:*	2			View, modify or	
• 🗀 Economics (1, 26)	Descriptions				view, moury or	
Essay Questions (0, 20) Example Pool (0, 0)	Description:	3				
□ Final exam (0, 0)						
 Finance (1, 11) 	External ID:					
General Knowledge (0, 16)						
□ Informatics (0, 4) □ Insurance (2, 20)		4 Save	Cancel			
Insurance (2, 20) Investment (0, 8)				-		
▶ □ IT (12, 160)						
Management (4, 47)						
Math pool (2, 10)						
PoolImportTestCase1-OnePool (1, 2)						
Post-Test Survey (0, 11)						
▶ □ Tax (2, 7)						

Once created question pool:

- 1. Navigate to the "Questions" tab.
- 2. Click the "Load questions" button and select "From QTI Package (.zip archive)".

Â	\wp Search users		•	My assignments	Users 👻	Tests - Surveys -	Training courses	Reporting 🖌 Sy	stem 👻)
	Test question pool Math Pool Information	stions Us	ers Statistics							New sub-po		?
	Create new questions or Add question - > Search by category	Load que		r from the QTI package. View	ı, modify or delete	e the existing questions. Copy or r	nove them to another question p	001.				
	2	From QTI p archive)	ackage (.zip	External ID ≎		Question text	<	Source poo	ol ≎	Difficulty ≎	Туре	٥
>			Q	Q			Q)	Q	Select one 🗸	Select one	~
	There are no quest	ions in this p	ool. To add quest	ions, click "Add question	" button to add	l them manually, or "Load qu	estions" to load them from	an Excel template or	from th	e QTI package.	_	
						14 <4 >> >1 10					R	ows: 0
	Move	ору									XLS	PDF



In the pop-up dialog, click the "**Select file**" button to choose the file you want to import, then click the **"Upload"** button.

Test question pool Math Pool					New sub-po		?
Information Questions Users Statistics	Load questions ×	:					
Create new questions or bulk load them from an Excel file or from the	Load questions from the QTI package into this question pool. The package must be a zip file and follow the correct structure:						
Add question Load questions Filter by tags Search by categories	 XML files that represent questions definition in QTI2.1. (Optional) XML file ending with "qpl.xml" representing the additional question data and connections. (Optional) Folder by the name "objects" with the appropriate resources 						
Actions ID • Exte	(images). All resources must be properly named and connected to the question either in the QTI file or the QPL file.		Source pool	¢	Difficulty \$	Туре	٥
Q	Optional) File representing the taxonomy definiton of the questions. This file			Q	Select one 🗸	Select one	~
There are no questions in this pool. To add questions, clic	must be found on path /Services/Taxonomy/set_1/export.xml.	cel template or from the QTI package.					
	You can see the package structure by downloading this sample. Note that this package is not meant to be manually composed.						
Моче Сору	Select file					XLS	PDF
	Upload Cancel						

You will get the message that the import job is started and you will get the notification when it is finished.

A D Search users ▼ My assignments Users ▼ Tests	 Surveys - Training courses Reporting - System - 	🕲 📭 🔍 🛞 -
New Import from JSON Import from Excel		?
My pools (All pools		
Aviation	ools. Question pools can be hierarchically organized. You can use generated test versions. <i>Play video</i>	
 Pools (1015, 1871) Airframe, Systems, Engines & Electronics - 021 (4, 1247) Construcions & Systems (0, 537) Electrics (0, 164) Piston Engines (0, 236) Turbine Engines (0, 310) Aviation English language (0, 0) Aviation Law - 010 (13, 995) 01 - Internation Law: Conventions, Agreements, Organizations (0, 59) 02 - Airworthness of Aircraft (0, 9) 03 - Aircraft Nationality and Registration Marks (0, 12) 04 - Personnel Licensing (0, 67) 05 - Rules of the Air (0, 123) 06 - Procedures for Air Navigation - Aircraft Operations (0, 261) 08 - Aeronautical Information Service (0, 37) 09 - Aerodinamics (ICAO Annex 14, Volume I, Aerodrome Design and Operations) (0, 146) 10 - Facilitation (ICAO Annex 9) (0, 26) 11 - Search and Rescue (0, 45) 12 - Security (0, 28) 	rgenerated test versions. <u>Play video</u> ring: e navigation tree on the left or create a new one ouse questions in tests. The 'Modify' role allows users to manage the s. ead them from an Excel file or from the QTI package. View, modify or Copy or move them to another question pool.	
 13 - Aircraft Accident and Incident Investigation (0, 17) Communications 090 (15, 487) General English language (0, 0) Human Performance & Limitations 040 (3, 1248) 		

In this example, the hierarchy of pools looks like in the image below:



3 Creating a test

Search users	1	My assignments Users	Tests	Surveys 👻	Training courses	Repo	rting - 🌣 🖾 🎣 🌲 🍥 -
			New test Navigate to t				
			Manage t Select and m	ests mage testo and view te			
	My assignments			ertificates je and view certificated			Create user group
List of ell tests,	surveys, and training courses assigned to you	Create a user j	Question	pools a in poole and manage ;			group and add users to II. Organize a testing session for the group later.
			Grading s Configure gro	cales ding coaleo for test eva			A
Contro o	Create test		Testing lo Manage the p				Create training course
	knowledge test with multimedia content d assign the awarding certificate.	G	Test resul	ts verification			e training course with multimedia content and short tests.

Hover over the "Tests" tab in the main menu and select "New test".

Enter the basic test information in the first step of the test creation process, then click the "Next" button.

	My assignments	Users - Tests -	Surveys 👻	Training courses	Reporting		🌞 🛛 🗛 🥘
1	2 3		5	6	7	8	
Test information	Settings Certif	icate Method	Add questions	Grading	Review	Save test	
		Create Tes	t Wizard			Next	
Test information						?	
Name:*	Demo Tes	t					
Descriptio	n:						
Label: ⊘							
Test v	with sections \oslash						
Test instructions All candidates will have to	read the instructions befor	e starting the test (this setting I	s optional).			optional	
Copy prev	iously created instructi	ons: Select one		×			
BIUSA	∭ X₂ X² H1 H2 5	" ◈ ▤ ▤ 즡 ⋿ •1	≡ % <u>T</u> *			۲	



Choose the desired test settings, then click the "Next" button.

Search users	•	My assignments	Users 👻	Tests 👻	Surveys 👻	Training courses	Reporting 👻	System 👻	🕮 📭 🖓 🖞
	1	2	3	4	5	6	7	8	
	Test information	Settings	Certificate	Method	Add question	ns Grading	Review	Save test	
	Previous			Create	test wizard			Next]
	Test template se	ettings						?	
	Test template: ⊘	Select one (optional)		-				
	Test settings								
	Duration type:	Unlimited			-				
	Page format: ⊘	One questio	n per page		-				
	Show report: ⊘	Immediately	after result gradi	ng	-				
	Report content: ⑦	Score and d	etails		Ŧ				
	Hide assignme	ent metadata ⊘							
	Configure repo	ort lifespan ⑦ <u>Play</u>	<u>video</u>						
	Require answe	ring all questions							
	Enable 'I don't	know' answer to av	oid negative poir	nts					

Click the "Next" button to skip the "Certificate" step.

Search users	•	My assignments	Users 🗸	Tests 🗸	Surveys 👻	Training courses	Reporting 👻	System 👻	💷 ו 🖓 ו 🖳 🌒 י
	1	2	3	4	5	6	7	8	
	Test information	Settings	Certificate	Method	Add question	ns Grading	Review	Save test	
	Previous			Croata	test wizard		_	Next	
	Previous			Create	test wizard			Next	
								?	
				Option	al certificate				
					he test will receive a or design a new cer				
				Add	Skip				



Click the "Select" button under the "Use the test generator based on question categories" option.



Click the "New rule" button.

î	\wp Search users	•	My as	signments l	Jsers 👻	Tests 👻	Surveys	- Training c	ourses Repo	orting 🗸 Sys	stem 👻	🖾 I 🗘 I 🖥	•
		1	2	3	4		5	6	7	8	9		
		Test information	Settings	Certificate	Metho	d Add	questions	Generator	Grading	Review	Save test		
		Prev	ious			Create	test wizard	i		Ne	xt		
		Number of questions per version (0)											
									Allow dif	erent points in v	versions ⑦		
							?						
				C	reate a rule b	ased on which	the test quest	ions will be selected	d.				
						N	ew rule						



Choose one of the previously imported question pools (Learning topics) based on which you want to create a test.

A Search users • My a	ssignments Users -	Tests 🗕 Surveys	+ Training o	ourses Repor	ting 🚽 Sys	stem 👻	Ø 🗛	<u>•</u>
1 2	3 4	5	6	7	8	9		
Test information Settings	Certificate Meth	hod Add questions						
Previous		Create test wizar	ď		Ne	xt		
Number of questions p	er version (0)					?		
	New rule			× ffe	rent points in v	versions (2)		
	New fule				irent points in t			
	To create a rule, please s	select the question pool from v	vhere the questions	will be pulled.				
	Select question pool	Aviation > Airframe, Syst	ems, Engines & Ele	ectror 👻				
		Aviation > Airframe, Sys	tems, Engines & E	lectronics		Q		
		Aviation > Airframe, S	stems, Engines	& Electronics - 021				
		Aviation > Airframe, S	stems, Engines	& Electronics - 021	> Construcions	& Systems		
		Aviation > Airframe, S	-					
		Aviation > Airframe, S						
		Aviation > Airframe, S	/stems, Engines	& Electronics - 021	> Turbine Engir	nes		

- 1. Define the number of questions from the pool you want to be contained in the test.
- 2. Define the number of points that will be earned for correct answers to the questions.
- 3. Define the number of penalties that will be earned for incorrect answers to the questions.
- 4. Click the "Confirm" button to save the rule.

î	${\cal P}$ Search users	-	My ass	ignments	Users 🗸	Tests 👻 Surveys	s 🗸 Training o	courses Re	porting 🚽 Sys	stem 👻	🖾 I 🗘 I 🖥	•
		1	2	3	4	5	б	7	8	9		
		Test information	Settings	Certificate	Method	Add questions						
		Prev	vious	New rule				×	Ne	xt		
				Select qu	estion pool:	Aviation > Airframe, Sy	stems, Engines & E	Electror 👻				
	Number of questions per			Summar	Summary: There will be 10 questions in each test version from this pool. No specific conditions are defined.					?		
										versions ⊘		
				1 Number o	f questions:	10	Add new c	condition				
				-	question:							
				Penalty pen	er question:	1						
				Available	questions:	1,247						
					4	Confirm Car	ncel					
									J			

In this way, you can create as many rules as you want, and include different question pools/sub-pools (Learning topics) in the test.