

TRIFORK LEARNING SOLUTIONS

AUTHOR

DELIVER

RESULTS

PREVIEWER
IMPORTER

PLAYER
REVIEWER
SESSION MONITOR

ANALYTICS

INTEROPERABILITY

We believe in dedicated customization through interoperability. We stay away from a one-size-fits-all solution and apply open standards like Question Test Interoperability (QTI) and Learning Tool Interoperability (LTI). We offer choice by delivering modular solutions that can be applied within different assessment scenarios, depending on your existing assessment delivery chain.

OPEN STANDARDS

QTI is a standard used to communicate between a third-party assessment authoring solution and our QTI Assessment Delivery Engine.

The QTI specification consists of a data model and XML data binding. The data model defines the structure of questions, assessments and results from questions and assessments. The XML data binding essentially defines a language for interchanging questions and other assessment material.

LTI establishes a standard way of integrating learning applications with platforms like learning management systems and portals (Blackboard, Sakai, etc.).

BEST OF BREED

We join forces with our partner-clients. Applying a modular architecture combined with QTI and LTI enables easy third-party integration. This allows us to work closely with you and develop a best of breed solution.

PRODUCTS

- Previewer
- Importer
- Lockdown browser
- QTI Player
- Session monitor
- Analytics

QTI 2.1

- Based on Open Standards
- Breaks the vendor lock-in model
- Allows easy integration
- Extends the lifetime of investments in your assessment chain
- Used by third party authoring tools and publishers

Request an online demo at www.triforklearning.com or email us for more information: info@triforklearning.com

Player feature list

An assessment delivery engine to administer low and high-stakes assessments.

Available in three applications: QTI Player (driver), Previewer and Engine, and Java web applications provided in WAR packaging.

Category	Feature
QTI Compatibility	QTI v2.1 final
	Content Packaging v1.1
Browser support	Safari
	Chrome
	Internet Explorer 9 and above
	Firefox
Supported QTI content types	Basic Elements
	XHTML Elements
	MathML
	Video
	Audio
	Images
Simple interactions	Stylesheets
	Match
	Choice (single and multiple)
Text-based interactions	Inline choice
	Gap match
	Text entry
	Extended text
	Hot text
Image-based interactions	Order
	Graphic gap match
	Graphic associate
Other interactions	Graphic order
	Position object
	Select point
	Hotspot
Time constraints	Media
	Custom (non-QTI)
	Item
Response and outcome processing	Test Part
	Assessment
	Standard templates
	Custom templates
	Generalized processing
Custom expressions for response processing	Individual submission mode
	Simultaneous submission mode
	Trim
	Decimal notation
	Diacritics
	Plugin API

Category	Feature
Tools available during assessment	Mark question
	Basic calculator
	Scientific calculator
	Reference document PDF
	Context sensitive help
	Text to speech support
Navigation during an assessment	Linear
	Non-linear
	Start screen
	Testparts
	Overview screen
	Show answered state
	Show marked state
	Result screen
Theming	Assessment level
	Application level
Security	OWASP compliance
	Secure cookies
Events	Navigation changes
	Answers
	Session start/end
	Item/assessment import
	Result processing
Interfacing	Create session
	Start / resume session with HMAC
	Session state callback
	Pause / continue / abort session
	List sessions / assessments / items
	Create assessment
	Item and result data
Item and response storage	Relational database
	Riak NoSQL

Lock-down feature list

This is an extension to the QTI Player and is used to help secure an endpoint. The candidate can only access specifically authorized features. An example of this would be turning the device into a 'Thin Client' by locking it down so that an end user can only connect to predefined applications, like taking the assessment only.

Category	Feature
Platforms	Windows 7 - 10
	OSX

Analytics

During an assessment, the QTI player collects a range of test information and metadata, and logs events. We can also tailor the player to meet specific analytics needs according to our customers' specifications.

Previewer feature list

The Previewer enables you to experience (view) the items and the test from a candidate's perspective. It also allows you to see specific data that is only visible to you and not to the candidate. This module is meant to verify if the assessment items works as planned during the authoring phase.

Category	Feature
Show data that is not visible during a test	Metadata
	Response processing
	Outcome processing
	Consult session data
Free navigation	Bypass assessment navigation
	Answer correctly and next
	Answer incorrect and next

Session monitor feature list

A front-end application monitors candidates' progress in the assessment. It is used in test centers or at assessment locations. It provides the supervisor with an overview of the candidate's location, identity, progress, assessment state and time remaining. There is an option for the supervisor to intervene (pausing or even aborting a session).

Category	Feature
Basic functionality	Logs all actions by the supervisor
	Add own remarks
	Status overview
	Overview
	Mail overview to helpdesk
Status control	Pause a session
	Start a session
	Abort a session
	Pause all sessions
	Start all sessions
	Abort all sessions

Importer feature list

The importer API is used to import QTI content packages, validating them against the QTI 2.1 specification.

Category	Feature
Validation	Valid QTI 2.1
	Valid XML
	Custom metadata validation (on demand)
Content package importer	Import UI
	Rest API
	Transcoding (on demand)
	Thumbnail generation (on demand)



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