

TRIFORK LEARNING PRODUCTS



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 in different assessment scenarios, depending on your existing assessment delivery chain.

OPEN STANDARDS

The QTI is 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, Like Blackboard and Sakai.

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 allow us to join forces with you and provide 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. 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
	Microsoft Edge (introduced with Windows 10)
	Firefox
Supported QTI content types	Basic Elements
	XHTML Elements
	MathML
	Video
	Audio
	Images
	Stylesheets
Simple interactions	Match
	Choice (single and multiple)
	Inline choice
Text-based interactions	Gap match
	Text entry
	Extended text
	Hot text
	Order
Image based interactions	Graphic gap match
	Graphic associate
	Graphic order
Other interactions	Position object
	Select point
	Hotspot
	Media
	Custom (not QTI standard)
Time constraints	Item
	Test Part
	Assessment
Response and outcome processing	Standard templates
	Custom templates
	Generalized processing
	Individual submission mode
	Simultaneous submission mode
Custom expressions for response processing	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
	Startscreen
	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
	Callback of session state
	Pause / continue / abort session
	List sessions / assessments / items
	Create assessment
	Item and result data
Item and response storage	Relational database
	Riak NoSQL
Adaptivity	Randomization
	Adaptive algorithm support

Lock-down feature list

This is an extension to the QTI Player. The process of securing an endpoint. The candidate can only access 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
Available platforms	Windows 7 - 10
	OSX

Analytics

During an assessment the QTI player is gathering all kinds of test information, metadata and events. According to customer specifications we can tailor to specific analytic needs.

Previewer feature list

The Previewer enables to experience (view) the items and test from a candidates perspective. It allows you to view specific data that is only visible to you and not visible for 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 to monitor candidate's assessment progress. It is used in test centers or at assessment locations. It provides the supervisor an overview about the candidate's: location, identity, progress, assessment state and remaining time. 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 allows the import of QTI content package's with validation of the QTI 2.1 specifications.

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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