

Sharing and Repurposing in Standards-based Assessment – Tools for Converting Resources to Use QTIV2.1

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Abstract

The Question and Test Interoperability specification version 2.1 (QTIV2.1) is expected to become final in the next few months. In the UK, a number of JISC-funded projects supporting QTIV2.1 have led to the development of tools for rendering and creating questions, and converting resources in other formats into QTIV2.1. JISC is currently funding QTI-IPS, a project designed to assist with the finalisation process and support the HE/FE community in adopting QTIV2.1. This workshop will demonstrate some of the tools available for converting resources from quizzes created in VLEs and other non-standard formats to QTIV2.1.

It is expected that the Question and Test Interoperability specification version 2.1 (QTIV2.1) will become final in the next few months. This specification is currently the only standard for assessment resources. In the UK, JISC has funded a number of projects supporting QTIV2.1 over the last few years, leading to the development of tools for rendering and creating questions, and the accumulation of a body of expertise in creating resources using QTIV2.1 and converting resources in other formats into QTIV2.1. JISC is currently funding QTI-IPS, a project designed to assist with the finalisation process and support the HE/FE community in adopting QTIV2.1.

This workshop will demonstrate some of the tools available for converting resources from popular formats to QTIV2.1, using assessment scenarios and question designs

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from a variety of disciplines. Examples will be converted from quizzes created in VLEs and other non-standard formats, and rendered using three different rendering engines. The tools and examples used in the workshop form part of a new support site designed to assist users as they convert their resources to QTiv2.1 and create new materials; they can be freely used and, where appropriate, downloaded from the site.

Participants will be invited to use their own laptops and to bring sample question and/or test sets which they would like to convert. Links will be available before the workshop to enable users to download some tools in advance to save time in the workshop and reduce load on the wifi.

During the workshop, participants will use the tools to

1. Convert questions to QTiv2.1 (the questions will be drawn from banks downloaded from VLEs, and from participants' own question sets),
2. Assemble questions into tests,
3. Run the resulting QTiv2.1 questions and tests in any of the three rendering systems used by the project, to demonstrate interoperability.

Facilities needed:

- Internet connectivity:
 - **Ideally**, reliable Wifi access,
 - **Failing that**, tools can be installed on the conference pendrive, though this may prevent users from accessing the Blackboard/WebCT convertor, which is expected to be of particular interest to many participants,
- Projection facilities,
- Access to some power outlets for those whose batteries are less reliable.