

ISIS and Assis

A tale of two projects

Robert Sherratt

e-Services Integration Group

University of Hull



THE UNIVERSITY OF HULL

The two projects

- **ISIS: Integrating Simple Sequencing**
 - funded by the e-Learning Framework
- **Assis: Assessment and Simple Sequencing Integration Services**
 - funded by the DEL Programme
- **Coordinated by the University of Hull**



ISIS - Who & what

- Partnership
 - University of Hull
 - Icodeon Ltd.
 - Newark & Sherwood
- Development of a simple sequencing service tested against a number of consumers



Simple Sequencing

- describe paths through a collection of learning activities
- IMS Specification
 - ”defines a method for representing the intended behavior of an authored learning experience such that any learning technology system (LTS) can sequence discrete learning activities in a consistent way.“

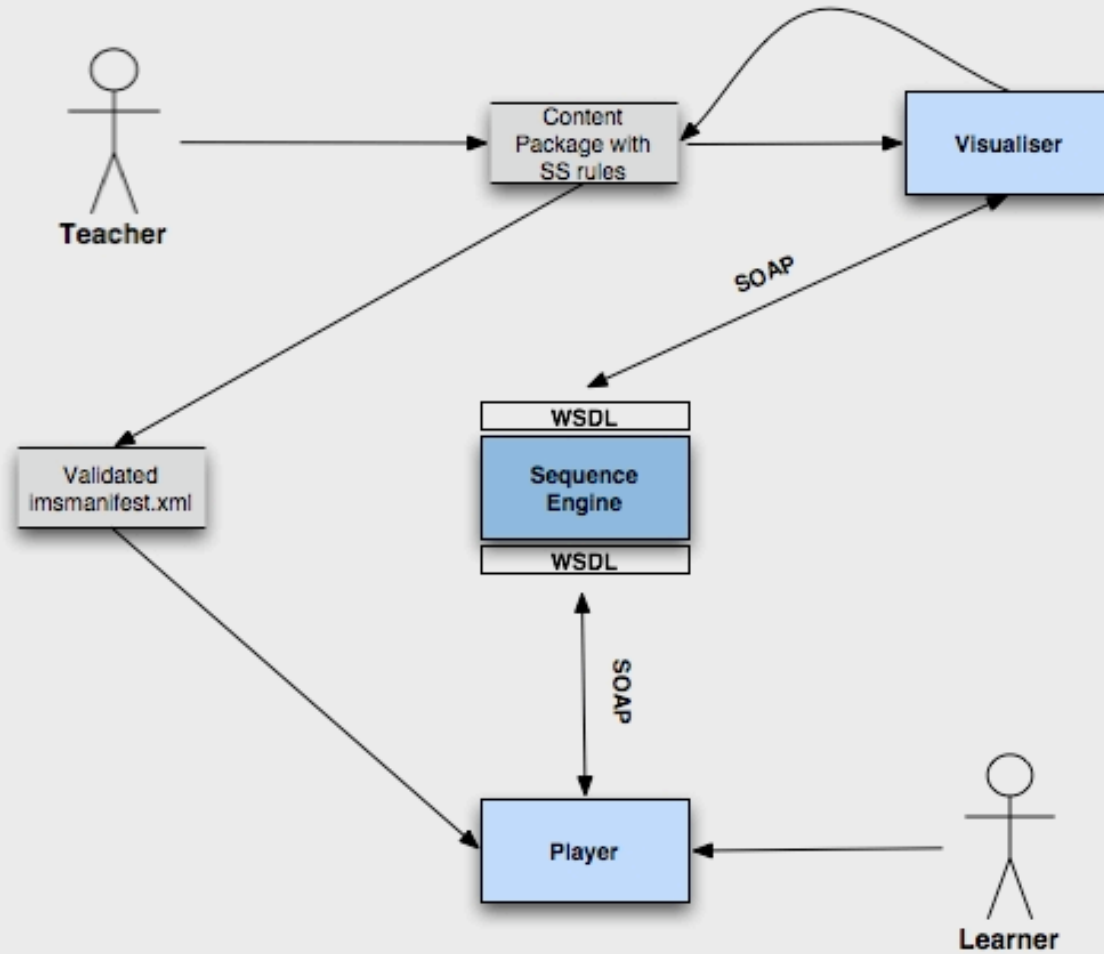


Why ISIS?

- Facilitating next generation content and learning experiences
- Moving towards active/explorative and games-based learning
- Deeper understanding of the SS specification
- Tools to aid the creation and debugging of sequencing instructions



ISIS standard use case



Visualiser

The screenshot displays the Visualiser application interface. At the top is a blue title bar with the text "Visualizer" and standard window controls. Below the title bar is a menu bar with "File" and "Help" options. The main workspace contains a hierarchical diagram with several nodes: a top red cube, a middle red cube, a green cube, and two grey cylinders at the bottom. Below the main workspace are three panels: "Learner Window" on the left, "Log / Debug Window" in the middle, and "Rules / Objectives Viewer" on the right. The "Rules / Objectives Viewer" panel contains a list of items with green status indicators.

Learner Window

- Template 8
- Retry Aggregation
- Aggregation-1
- SCO-1 Lesson
- SCO-2 Lesson
- SCO-3 PostTest

Rules / Objectives Viewer

- ORG8770D9D9AD6606BB9A3DE8:
- ITEM919981979AD667D693337E8F
- ITEM05E7DBE74103447F92A69A0
- ITEM05E7DBE74103447F92A69A0
- ITEM67D348D35EF6FC2868C0ABE
- ITEM67D348D35EF6FC2868C0ABE
- ITEM42F1D046C0FCFFAF43D1,
- ITEM42F1D046C0FCFFAF43D1,
- ITEM98EBD6BAAD6B579FAE2101
- ITEM79701DB3F0AD94268C43819!
- ITEM79701DB3F0AD94268C43819!
- ITEM79701DB3F0AD94268C43819!



ISIS outcomes

- Sequencing Engine - free to UK HE & FE
- SE API - source code & WSDL
- Visualiser
- Basic Sequencing player
- Bonus - Windows Sequencing client
- <http://www.icodeon.com/projects-framework-output.html>

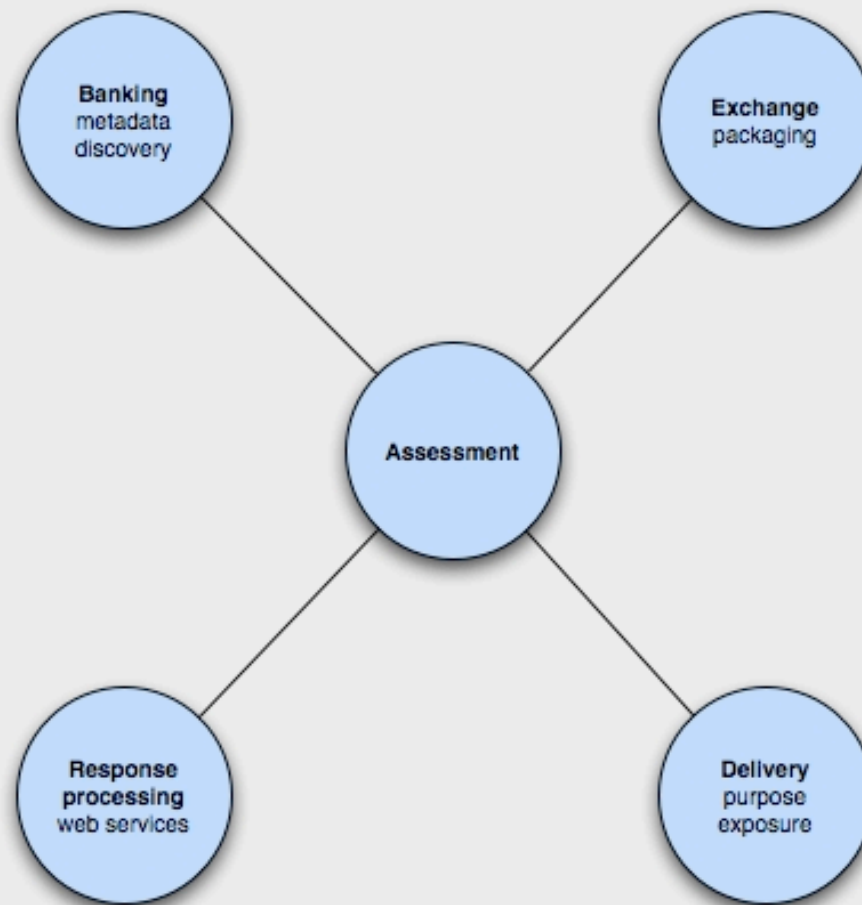


Assis

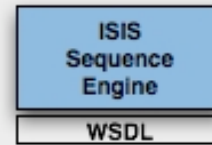
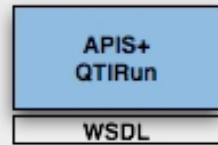
- Innovative paths and adaptive learning experiences require the integration of sequencing with assessment
- Building on the work of both ISIS and APIS
 - IMS SS & QTI v1.2 & v2.0
- Partners
 - Strathclyde, Icodeon, Stanford, Loughborough, RELOAD



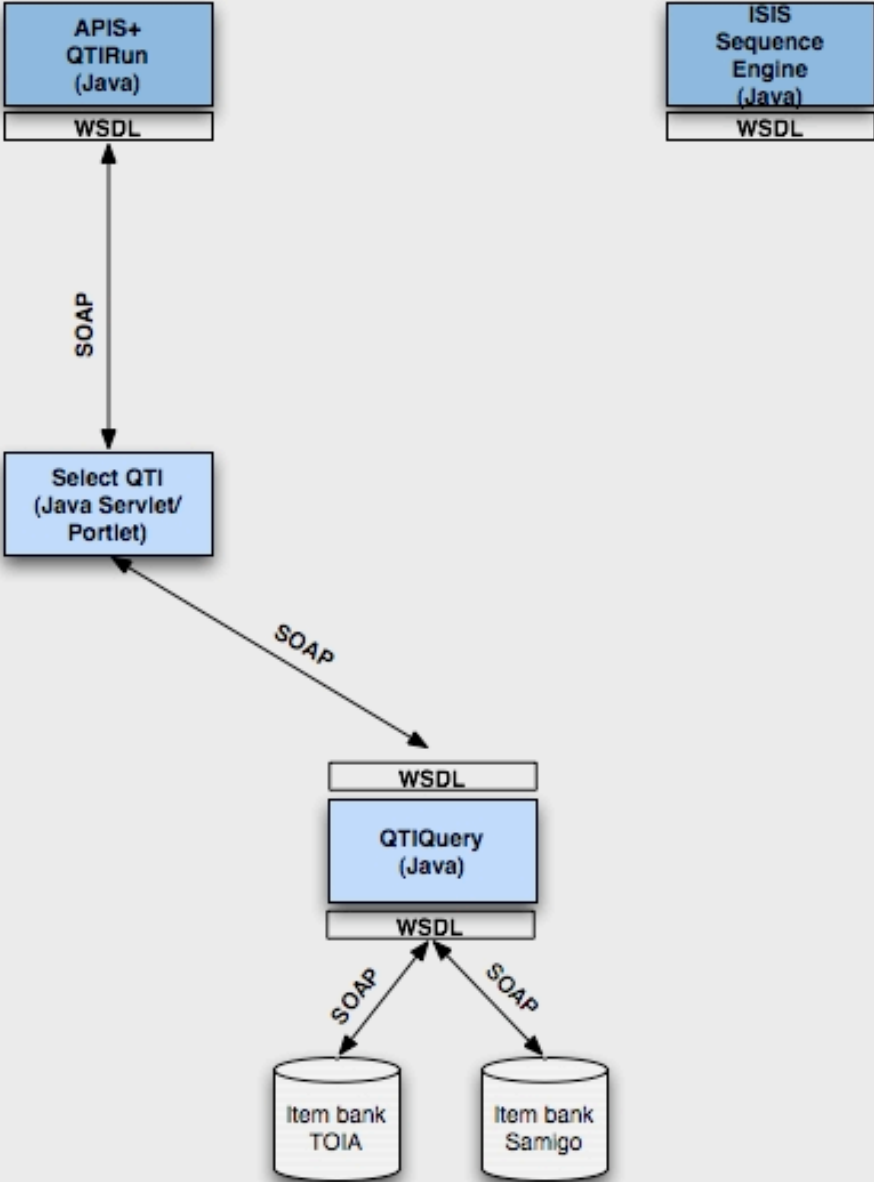
Assis in the assessment domain formative only



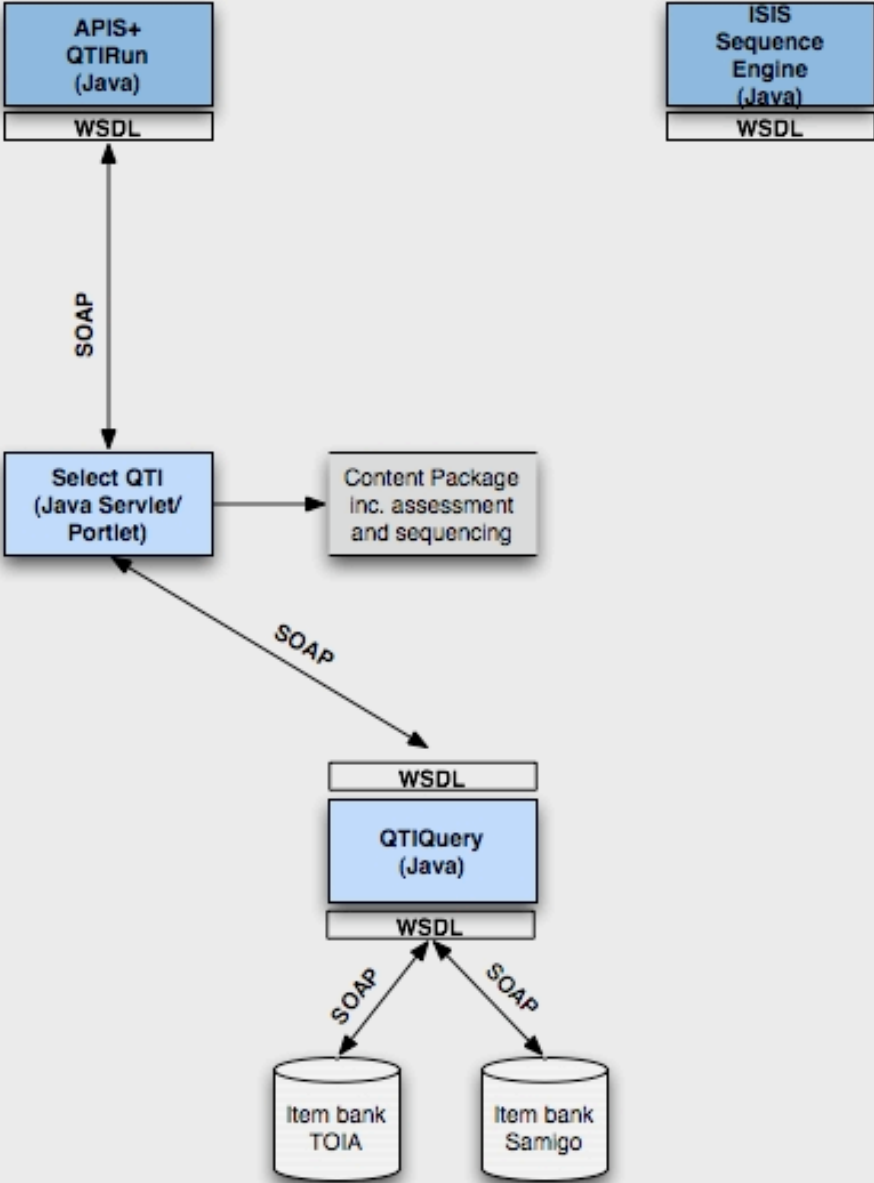
Assis systems



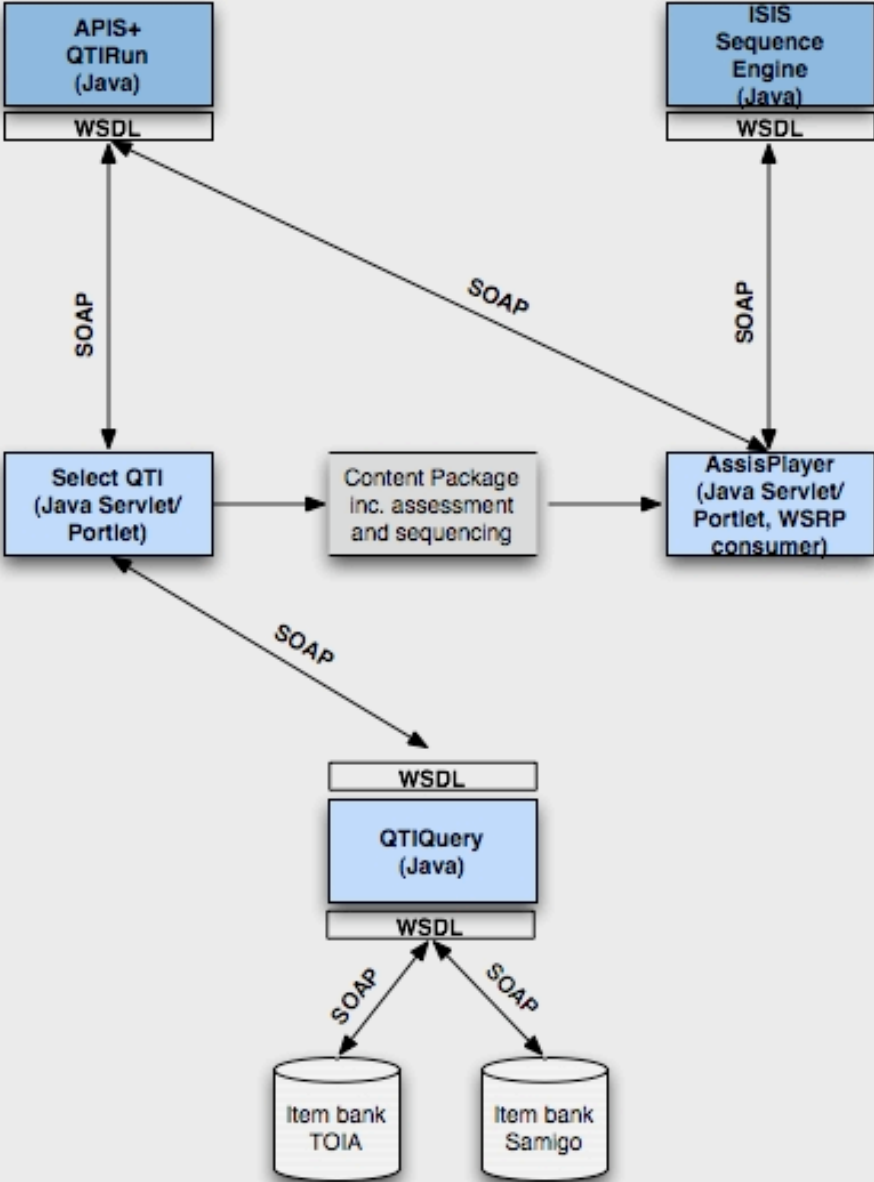
Assis systems



Assis systems



Assis systems



- r.sherratt@hull.ac.uk
- <http://www.hull.ac.uk/esig/isis.html>
- <http://www.hull.ac.uk/esig/assis.html>

