



# The GIFT 2018 Architecture Report

Keith Brawner  
Mike Hoffman

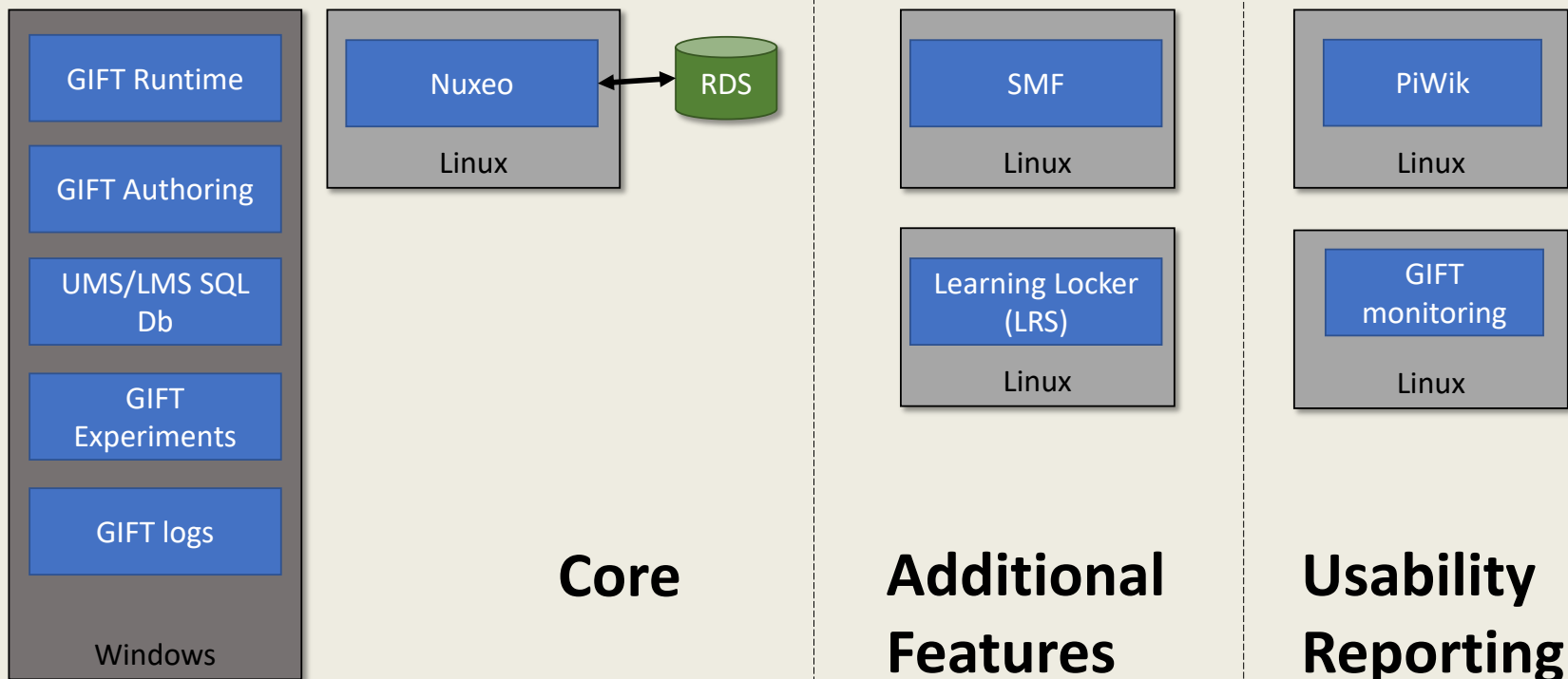


- Synapatic Sparks, Incorporated
  - Analytics items
  - AWS Server
  - SMF items
- ICT
  - VHTk (this year)
  - Backend service addition (coming soon)



- ~100 simult. Users, nowadays
- Lots of little things add to big things
  - Surveys
  - Paging in content

- Get your own Cloud!
  - Available upon request





# New Instructional Models

**ARL**

- Pedagogical Request Options:
  - Request for Scenario Adaption
  - Request for Performance Assessment
  - Request for Instructional Intervention
  - Request for Branch Adaption
    - Has a “Merrill Quadrant” Enum
    - Ties architectural request to Merrill Theory
  - *Support New Instructional Model, Request, Course Object*
    - *CAP – Constructive, Active, Passive*
- New iCAP item
  - Remediation specifically from remediation block
  - Same otherwise
    - Exception – only get one piece of content
- Other features in dev. – Trend, Competence



# LTI – now bidirectional



**Course Properties**

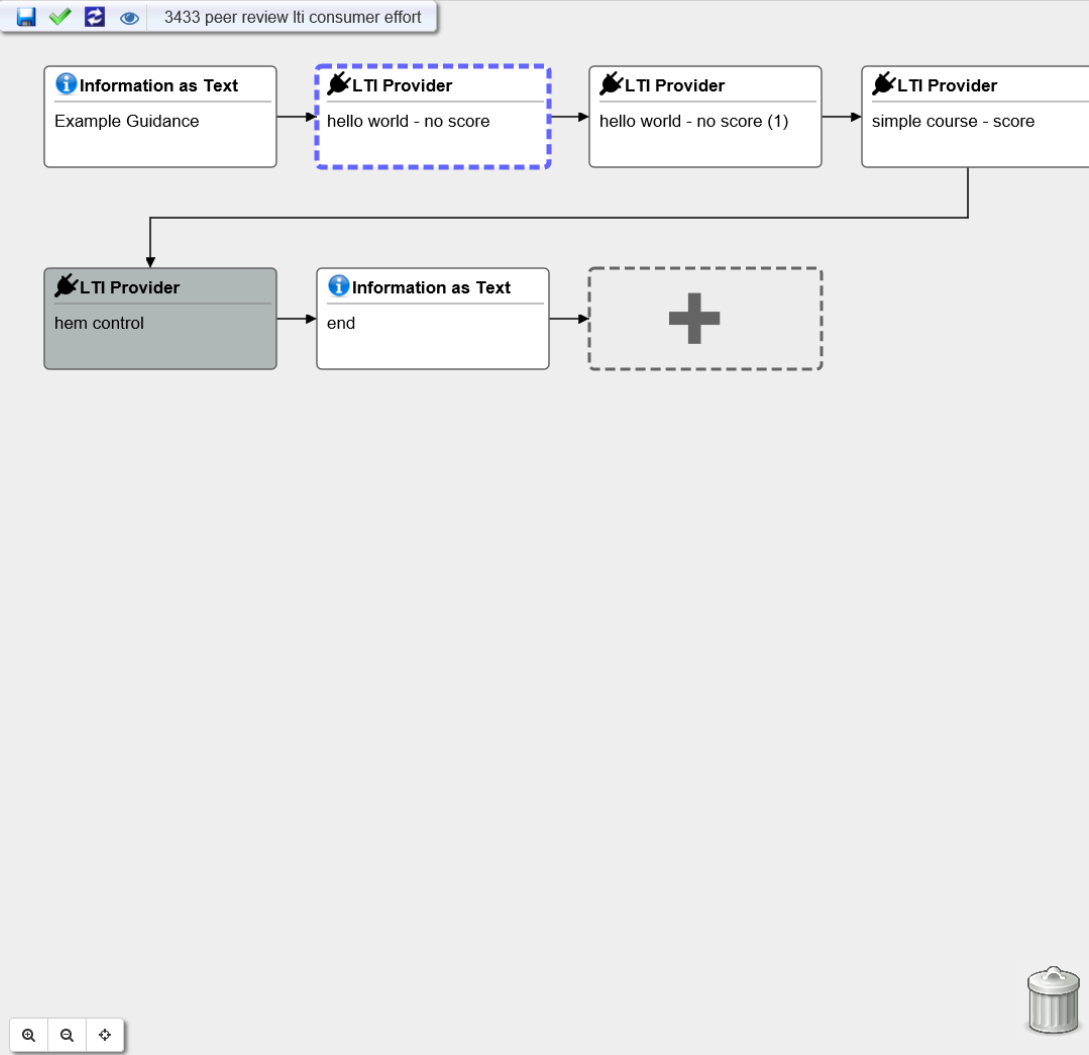
**Course Objects**

- Information as Text
- Image
- Web Address
- Local Webpage
- PDF
- YouTube Video
- LTI Provider
- Slide Show
- PowerPoint
- Survey/Test
- Auto Tutor Conversation
- Conversation Tree
- Question Bank
- Media Collection
- Adaptive Courseflow
- Adaptive Courseflow (2017-1)

Drag objects onto the course flow area to add them to your course.

**Media**

Remaining Space: 819 MB



hello world - no score

Media Title: \* [What's this?](#)  
hello world - no score

**LTI Parameters**

LTI Identifier: \*  
provider 1 (public)

LTI URL: \*  
http://10.1.21.186:8080/dashboard/lti

LTI Custom Parameters:

Key	Value
course_id	d0750a6e-7d33-48bf-9a9a-551
data_set_id	db6ed0ed-0695-4885-9018-a6c

**Scoring Properties**

Allow LTI provider to return score

Learner State Attribute: \*  
Knowledge Skill

Select the concept(s) that will be tested for this LTI: \*

concept a  
 concept b

Score needed to reach a particular expertise level on each concept:

Novice	Journeyman	Expert
0-32%	33-63%	64-100%

**Display Properties**

Display Mode: \*  
Inline

Show Message [What's this?](#)

here are some instructions



- LRS reporting (available for a while) \*LearnLocker
- Increased xAPI reporting
  - Course object level
  - Available in branch
- Tutoring experience part of a larger body of services
  - Competencies, mobile redirection, etc.

The screenshot displays a course titled "Hello World" with an "Information as Text" object containing "Example Guidance" and a "Survey/Test" object titled "LRS Test". The configuration panel for the "LRS Test" object is open, showing the following options:

- Edit  Remove
- Test
- Options
  - Display in full screen mode
  - Show responses and scoring information in the next Structured Review.
  - Disable course object
  - Make survey mandatory After
    - Always
    - After
  - 2 days

The background browser window shows a survey question: "The next activity for you was supposed to be answering the 'Survey' survey but the tutor was able to find your existing information on the following: Knowledge. Would you like to take the survey anyway?" with radio buttons for "Yes" and "No", and a "Complete Survey" button.



# Authoring items

**ARL**

- Yes, Yes, we know that you don't like DKFs.
- GIFT Exchange now GIFT Wrap
- More to come later





## Misc

**ARL**

- Copy course!
- VBS3 Support
- Unity
- Importing surveys from Qualtrics
- Microsoft Band
- AAR (coming soon)





- STE
  - Teams
    - Need help.
  - Psychomotor
    - Golf
    - LandNav
      - App available upon request
  
- Standards
  - IEEE
  - Instructionalsciences.org
  - ITS
  - AIED/ICLS/L@S (Festival of Learning)
  - WorkingGroups



# Questions?