The GIFT 2017 Architecture Report

Keith Brawner
Zach Heylmun
Mike Hoffman

The Nation's Premier Laboratory for Land Forces

Co-developer

- Synpatic Sparks, Incorporated

- Analytics items
- AWS Server

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Server-Based

- OAuth through upgraded RedMine Portal
- JWS Settings
  - … Added into a training application by default
- Online ERT ("My Experiments")

- Several AMT experiments
  - See AMT code from Eduworks on the forums

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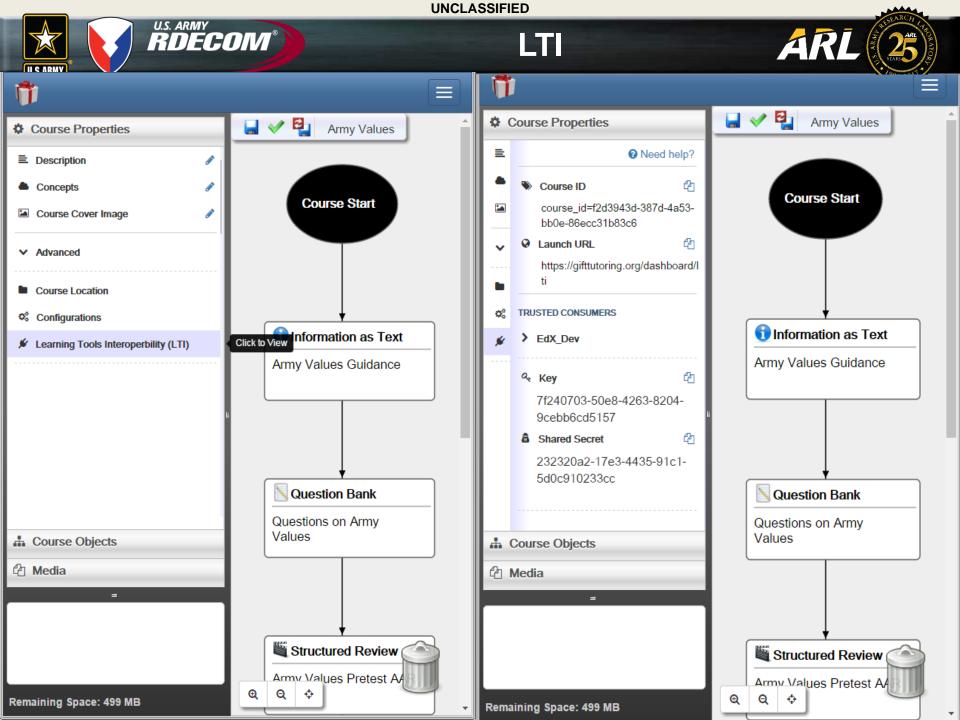
An Actual Server

- Cloud GIFT Server has been migrated
  - from "Dignitas Server Room"
  - to AWS
- Added features
  - Analytics
  - Redundancy
- Upping the cycle time
- AWS Instructions Available (upon request)
  - Released in next build
- AMI available upon request

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- 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*
- Other features in dev. – Trend, Competence

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LTI

Course Properties (left panel)

- Description
- Concepts
- Course Cover Image

▼ Advanced

- Course Location
- Configurations
- Learning Tools Interoperbility (LTI)

Course Objects

Media

Remaining Space: 499 MB

Army Values (left flowchart)

Course Start

ⓘ Information as Text
Army Values Guidance

📄 Question Bank
Questions on Army Values

🎬 Structured Review
Army Values Pretest A...

Course Properties (right panel)

❓ Need help?

🏷 Course ID
course_id=f2d3943d-387d-4a53-bb0e-86ecc31b83c6

🌐 Launch URL
https://gifttutoring.org/dashboard/lti

TRUSTED CONSUMERS

🔌 ❯ EdX_Dev

🔑 Key
7f240703-50e8-4263-8204-9cebb6cd5157

🔒 Shared Secret
232320a2-17e3-4435-91c1-5d0c910233cc

Course Objects

Media

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Army Values (right flowchart)

Course Start

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Click to View

- LRS reporting (available for a while)

- Increased xAPI reporting

  – Course object level

  – Available in branch

- Tutoring experience part of a larger body of services

  – Competencies, mobile redirection, etc.

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Service/Module Driven

- Service, vs, module-based
  - New ontological processing
- SuperGLU for plugging in services
  - https://github.com/GeneralizedLearningUtilities/SuperGLU
- More REST-y
- Creating places to plug services
  - A-AAR
  - MDP
  - MetaData Tagging