

Concurrent Presentation Session
THE SKILLFUL USE OF xAPI, IN PRACTICE



DATASIM: Data and Training Analytics Simulated Input Modeler for xAPI and xAPI Profiles

Shelly Blake-Plock
Yet Analytics

Social: #ADLiFEST | WiFi: HILTON_MEETING / Password: ADLiFEST

iFEST

DATA SIM

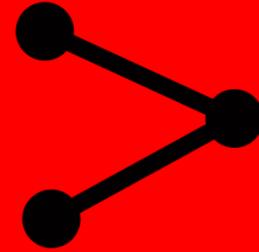
Total Learning Architecture

Shelly Blake-Plock • 2019 iFEST

 Yet Analytics

What are we trying to do?

Open Source
Specs



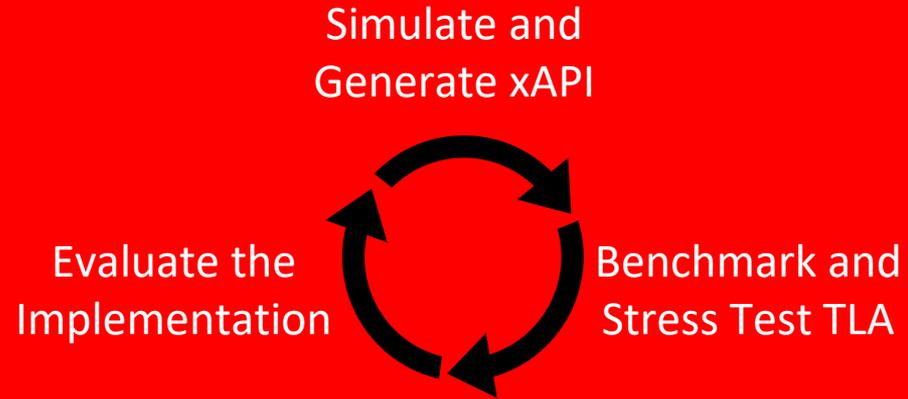
Simulated
xAPI Data

Open Source
App

Created by throwaway icons
from Noun Project



What's the purpose?



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from Noun Project



Why are we doing
this?

Access to Testable
Big xAPI Data



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Will Inform DoD
Learning & Training
Modernization Policy



What is the problem?

A Missing Link for
xAPI Adoption



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Lack of Exemplar
Testing and Evaluation
Datasets



How is it done
today?

Labor Intensive and
High Cost



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From Live
Events

Or Created
by Hand

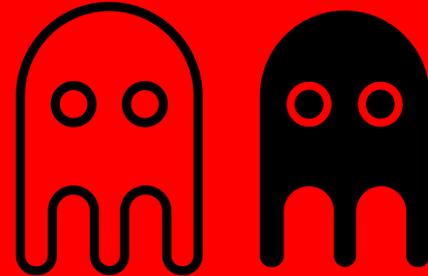
Human Error and
Lack of Scale



What is new in our approach?

Learner Personae

Digital
Twins



Sim
Modding

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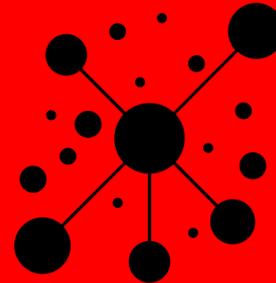
Non Player
Characters (NPCs)



What's our solution?

DATASIM
Data and Training Analytics
Simulated Input Modeler

TLA Testing



Big xAPI
Data

Created by Wenjie Jiang
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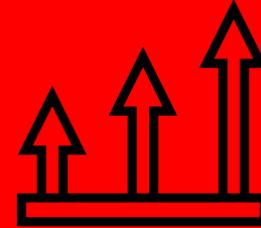
xAPI Profiles and
Analytics



Who cares?

DoD Learning and Training
IT Stakeholders

Increase
Assurance



Increase
Innovation

Created by projecthayat
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Increase Speed and
Agility



DATASIM mitigates against...



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from Noun Project

- efficiency risks of manual simulated data design
- “meaninglessness” problems of automated simulated data
- cost — by allowing ad hoc and repeatable data sets
- time needed to identify risks and problems in existing and developing software and applications across the TLA



How long will it take?

Phases

Alpha
2020



Beta
2021

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from Noun Project

TRL 6
2022



Thank you.

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