

The Power of Global Collaboration
Defense | Government | Industry | Academia

Next Generation SCORM Kickoff

5 April 2012



Agenda



- Welcome
 - Introductions
 - Ground Rules
- History
- Overview
- Timeline
- Participation
- Q&A





Introductions



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Andy Johnson



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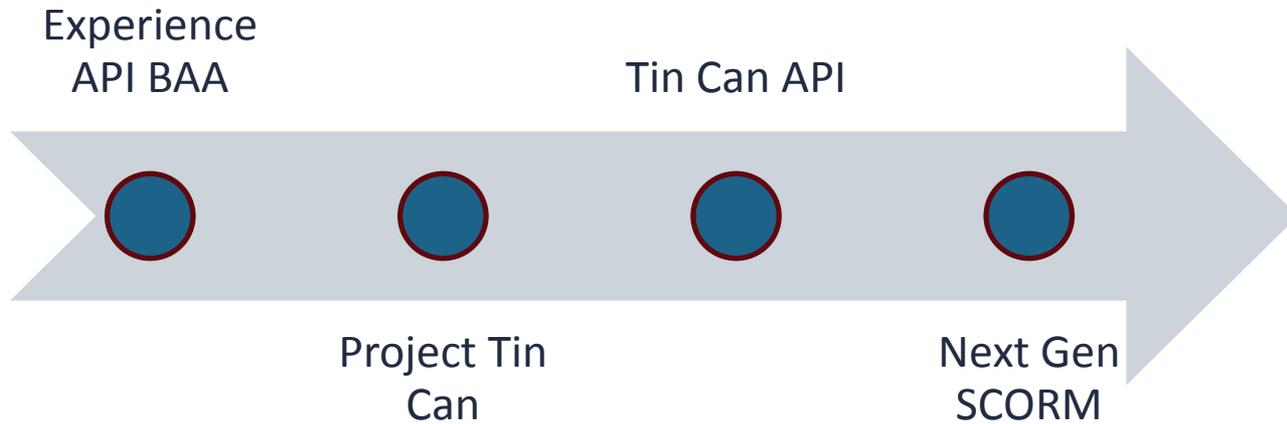
Ground Rules



- **#TinCanAPI** to discuss
- Meeting scope: **Tin Can API**
- Enter questions into the ***Chat*** or ***Questions*** pane on gotowebinar
- Q&A will be handled **after** the presentation
- Presentations available on **ADLnet.gov**



History



Overview



Tracking Next Gen Learning



- Student X takes a self-paced course on Orienteering.
- Student X participates in a classroom exercise where the instructor uses an Android application to save comments about the learner's understanding of the self-paced course.
- Student X leaves the classroom and participates in orienteering exercise in the field. They are tracked by their mobile device's GPS.
- All results are tracked and become a part of Student X's profile.



Where does SCORM fall short?



- Only tracks single learners, only tracks within a “course”
- Sequencing took too much time to implement
- No best practices were recommended, just the spec and later, some examples
- Needed more APIs for exposing data – no sense of “instructor” role
- The technology it was built upon is no longer the “norm”



How do we know this?



- These results precipitated from Project Tin Can
- As well as ADL Community feedback on SCORM
- <http://www.adlnet.gov/adl-summarizes-next-generation-scorm-requirements>



What can we do differently?



- Track diverse user learning experiences
- Move beyond the single-learner model
- Eliminate out-of-date technology practices
- Improve or eliminate the content sequencing
- Include tools, guides, and best practices
- Provide clearer instructions and more efficient testing
- Provide a means to expose user data



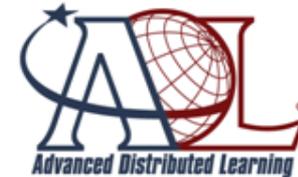
I (Actor/Agent)



- Single Learner
- Team Learning
- Group/Guild Learning
- Combined Identities
- Authentication



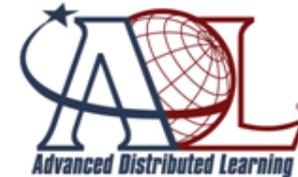
Did (Verb)



- Experience
- Assessment
- Collaboration/Gaming
- Social Media
- Mobile
- Virtual Marketplace



This (Activity)



- Activities can be anything – text, video, audio, games, social interactions, etc.
- Real or Virtual
- Associate with Competencies
- Use authority to determine completion
- Activities paired specifically with verbs?
- Should the verb model be constricted or expansive?



Who Tracks This?



- Learning Record Store (LRS) vs. Learning Management System (LMS)
- LRS concept derived from community
- No sequencing



Tin Can API Enables This:



- Enterprise architecture
- Wide range of devices and applications
- Adaptability to role (learner, instructor, designer, etc.)



Activity Streams Do This:



- Supported in media and industry
- Adaptive content
- Working group surrounding spec already in place (Open Web Foundation)
- Open Graph
- Incorporation of new web standards



ADL Did This:



- Translated Requirements
- Researched Verbs and Activity Streams
- Created Prototypes
- Informed Community



Rustici Did This:



- Added to their version of the specification after conclusion of BAA
- Expanded Agents, Authentication, and other support areas



LET'S DO THIS!!



But where do we start, knowing that nothing is set in stone?

Option 1) Original specification delivered at the conclusion of the BAA effort.

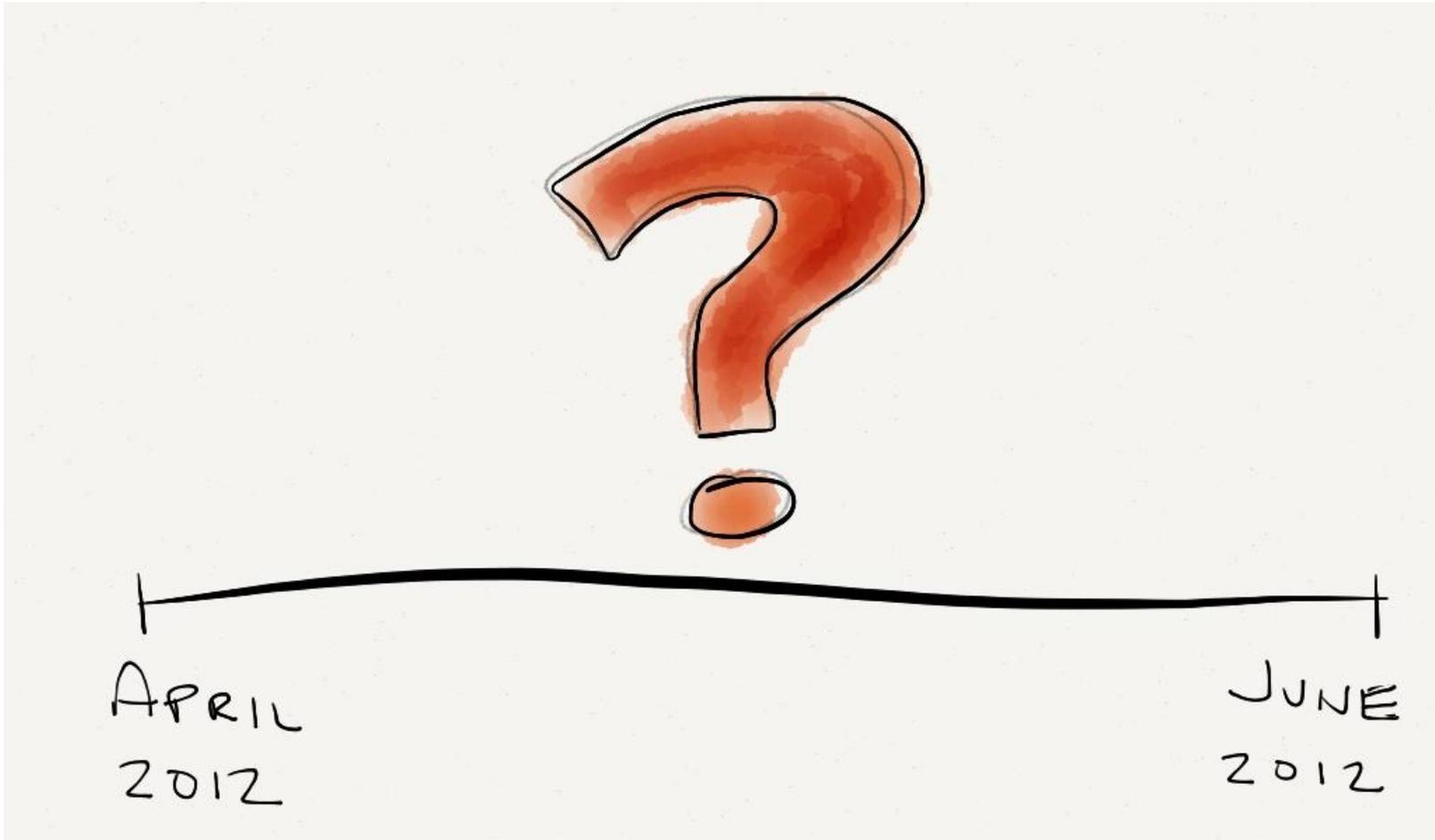
Option 2) Updated specification modified by Rustici Software, the original author.

Option 3) I'll get back to you on that one.

Timeline & Participation



Timeline





Stakeholders



- Interested in keeping informed.
- Has general questions.
- Would use Tin Can API-powered tools to design learning experiences.
- <http://bit.ly/tincaninfolist>



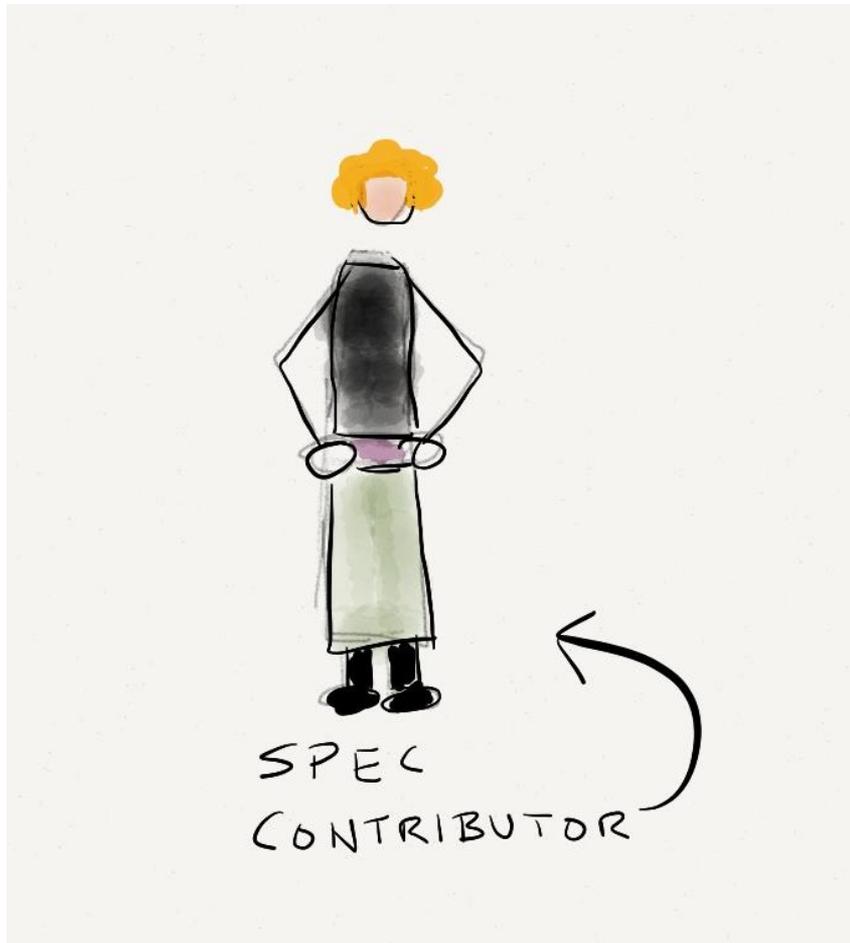
Adopters



- Interested in designing or developing with Tin Can API.
- Has questions or needs help beyond getting started.
- <http://bit.ly/tincanadopterslist>



Spec Contributors



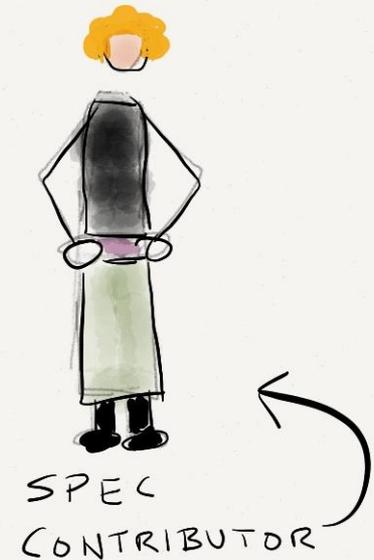
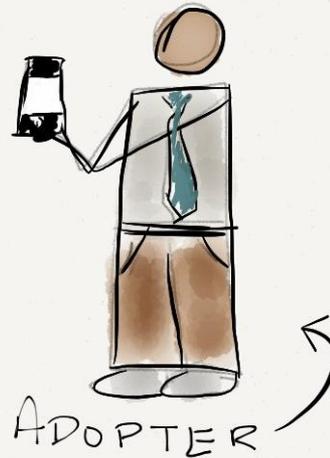
- Loves to get into the technical weeds.
- Has expertise to bear.
- Can work well with others.
- Gets 'Agile'.
- <http://bit.ly/tincanspeclist>



Summing it Up



<http://tincanapi.wikispaces.com>



<http://bit.ly/tincaninfolist>

<http://bit.ly/tincanadopterslist>

<http://bit.ly/tincanspeclist>

Weekly Calls on Thursdays – 2:30pm Eastern

Q&A

Thank you for participating