ALLSEEN ALLIANCE

Technical Steering Meeting

September 14th 2015

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Reminder:

This call is being recorded

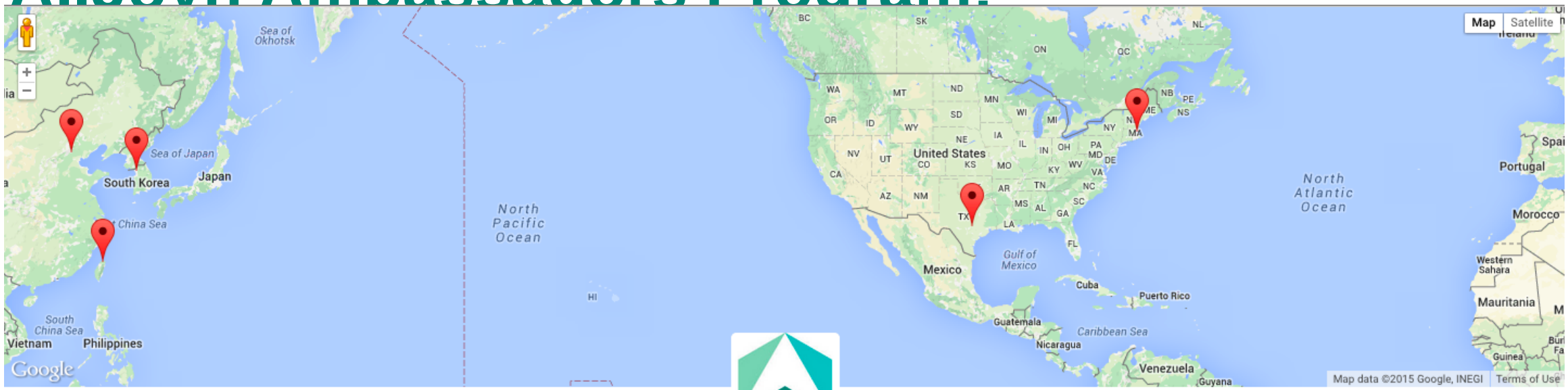
1. Approve minutes from previous meeting
2. Test RFPs response update
3. AllJoyn Ambassador Program
   - Update & New Applicant
4. Alljoyn.js 15.04 release
5. Security 2.0
   - Proposal to mark as developer preview
6. Update Service Project
   - Part of the Gateway Working Group
   - New committers
7. DDAPI Project Termination
8. Certification Test Tool Validation

Test RFP progress update

AllJoyn Ambassador Program: Update & New Applicant

AllJoyn Ambassadors Program:

www.meetup.com/pro/alljoyn



AllJoyn User Group Meetups

We are **89** members across **5** Meetups

A Meetup group to discuss the AllJoyn Open Source Project and it's ecosystem.

AllJoyn® is a collaborative open-source software framework that makes it easy for devices and apps to discover and communicate with each other. It supports many language bindings and can be easily integrated into platforms small and large. The AllJoyn framework defines a common way for devices and apps to communicate with one another ushering a new wave of interoperable devices to make the Internet of Things a reality.

Interested in representing the AllSeen Alliance as an AllJoyn Ambassador?

Apply now!

info@allseenalliance.org

Applicant: AllJoyn Ambassador Program

1. Name: Nobu Uchida

2. Email: nuchida@qti.qualcomm.com

3. Member Company: QUALCOMM

4. Where do you live? (There are certain countries where we're seeing a lot of interest so it helps to know where you're located): Tokyo, Japan

5. Why are you applying to be an AllJoyn Ambassador?

While AllJoyn is surely gaining presence in Japan, still many people don't understand the real power of AllJoyn. I want to share my passion for it with others who still don't know this great project.

6. How have you participated in the AllJoyn community to-date?

I've been working on AllSeen/AllJoyn promotion locally in Japan and made AllJoyn presentations and demos at various events (LinuxCon Japan, Open Source Conference, etc).

7. What ideas do you have for your community that you wish you had time or resources to implement?

Meetup group, prepare AllJoyn get started guide in Japanese, use AJ promotion opportunities at various IoT events, reach out to developer communities

8. How will you work with others to achieve your goals?

Already working with other AllSeen Alliance Japan members to discuss the promotion plan in Japan.

9. LinkedIn profile page (if available): https://www.linkedin.com/pub/nobuyuki-uchida/1/359/30

10. Twitter handle (if available): N/A

Alljoyn.js 15.04 release

Alljoyn.js 15.04 release

- Overview
  - Integrates AllJoyn Thin Client with Base Services and the Duktape JavaScript engine and runtime environment. Memory footprint: 128K RAM (256K preferred), 500K flash
  - AllJoyn module provides APIs for AllJoyn method calls, signals, properties. about-based discovery, events & actions, and base services (Notification, Control Panel, Config, and Onboarding)
  - IO module exposes API's for GPIO, PWM, ADC, DAC, I2C, SPI, and UART.
  - Integrated over-the-air script installation and debugging (via AllJoyn interfaces)
    - Command-line script installer and debugger
    - Python GUI debugger front-end for remote source level debugging
    - Script lockdown feature for deployment
- https://wiki.allseenalliance.org/alljoyn-js/overview
- https://wiki.allseenalliance.org/alljoyn-js/alljoyn.js_15.04_release_plan
- https://wiki.allseenalliance.org/alljoyn-js/alljoyn.js_15.04_release_review

Security 2.0

Proposal to mark Security 2.0 as developer preview

- Reason
  - Need for developer mileage (a.k.a. “soak time”)
    - This is an extremely large and complex feature, even if we had adequate test coverage, don’t currently have enough of a user base to know that we got it right
    - Desire to get some real usage on the code so the team get some feedback on how usable it is, and if it truly supports all use-cases.
      - Hence the suggestion of ‘developer preview’ as a label
  - Test coverage
    - The plan is to get to 100% coverage, but it is unlikely that we will be able to do so in time for the release
- Core WG Proposal
  - Release Security 2.0 and indicate that it isn’t commercial ready yet
    - Use “developer preview” rather than “experimental” to encourage use
      - Follows same processes as experimental
    - Goal is to have community use the new feature and provide feedback
  - Release as a commercial feature in 16.04
  - Note that there may be breaking changes in Security 2.0 between now and 16.04
    - All changes will be agreed to and approved by the Core WG prior to making the changes

Update Service Project

New committers

Update Service Project - New committers

- The Update Service Project in the Gateway Working Group is proceeding forward and we have two new committers to approve who are contributing to this important project.
  - Josh Spain (Affinegy)
  - Andrey Krokhin (Affinegy)
- The current committers are listed here and have voted unanimously to approve adding Josh and Andrey as committers.
  - Sagi Ben-Akiva (Red Bend)
  - Art Lancaster (Affinegy)
  - Yair Noam (Red Bend)
  - Yoav Salarios (Red Bend)
- Request for TSC vote to approve

DDAPI Project Termination

DDAPI Project Termination

- Initial goals of the project:
  - Introduce data-oriented, publish/subscribe interaction patterns to AllJoyn
  - Provide a simplified API to lower barrier to entry
- Ultimately, we realized that these goals were not served best by competing against AllJoyn Core
  - Observer, property cache, self-join functionality were contributed to Core
  - Will contribute to further actions to simplify the AllJoyn Core APIs and make them more consistent.
- Impact on other projects or communities:
  - As far as we know, DDAPI has never been used in production
  - We will remove the DDAPI-specific parts of devtools/codegen
- Full termination review document: https://wiki.allseenalliance.org/datadriven/termination_review

We request TSC approval to transition the DDAPI project to Archived state.

Certification Test Tool (CTT) Validation

Ram Jeyaraman (C&C WG chair)

Certification Test Tool (CTT) Validation

- What is being done currently (minimum verification of CTT)
  - Verify that the Test Case implementations conform to the Test Case specifications (including verification of initial conditions, test method, and message content)
  - Perform each Test Case with **ONE** Reference Sample
  - Analyze test logs against the Test Case specifications
  - Covered by Amendment 4 of the contract with AT4 Wireless
- Need for more thorough validation of CTT
  - Without a more exhaustive validation, we cannot assure the integrity of certification test results. This is important from an IP Policy perspective as certified devices will benefit from the patent pledge.
- What is being proposed (more extensive validation of CTT)
  - In addition to the minimum verification, perform each Test Case with up to **FIVE** Reference Samples, selecting as many different configurations as possible: Standard/Thin Client, different OEM devices, different OS (Android, iOS, Windows), etc.

CTT Validation Costs

Type of CTT Release	Example	Type of Validation	% Testing	Minimum Samples	Price ($)
New (Core & SFs)	TestCases_Package_v15.09.00_R1 TestCases_Package_v16.04.00_R1	Complete	100%	4	XXX*
Point	TestCases_Package_v15.09.00a_R1 TestCases_Package_v15.09.00b_R1	Partial	50%	2	YYY**
Patch	TestCases_Package_v15.09.00a_R2 TestCases_Package_v15.09.00a_R3	Partial	10 to 20%	2	ZZZ**

* Maximum projected cost assuming a maximum of **FIVE** Reference Samples. If a reduced number of Reference Samples are used (due to lack of devices), the charged fee will be correspondingly lower. AT4 wireless will only charge for the number of hours of work performed.

** Maximum projected cost assuming a maximum of **THREE** Reference Samples. If lesser number of Reference Samples are used (either due to lack of devices or because extensive testing is not deemed necessary as determined by C&C WG), the charged fee will be correspondingly lower. AT4 wireless will only charge for the number of hours of work performed.

Certification Test Tool (CTT) Validation Options

- Option 1
  - Hire AT4 wireless (managed by the C&C WG) to perform thorough validation of the CTT for each release in addition to the limited CTT verification performed they perform today
- Option 2
  - Task each WG to perform thorough validation of the CTT for each release
- Option 3
  - Keep the status quo: Do minimum verification only

Thank You

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