ALLSEEN ALLIANCE

Technical Steering Meeting

February 24, 2015

Antitrust Compliance Notice

- AllSeen Alliance meetings involve participation by industry competitors, and it is the intention of AllSeen Alliance to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of and not participate in any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

- Examples of types of actions that are prohibited at AllSeen Alliance meetings and in connection with AllSeen Alliance activities are described in the AllSeen Alliance Antitrust Policy. If you have questions about these matters, please contact your company counsel, or if you are a member of AllSeen Alliance, feel free to contact Lee Gesmer or Andrew Updegrove, of the firm of Gesmer Updegrove LLP, which provides legal counsel to AllSeen Alliance.

Reminder:
This call is being recorded

1. Approve minutes from previous meeting

2. Core 15.04 & 15.10 release proposal

3. TSC face to face meeting agenda topics

4. Call for documentation support

5. Analytics & Telemetry WG status

Core 15.04 & 15.10 release proposal

Core Security 2.0 Project Team

Core 15.04 & 15.10 release proposal - Issue

- Security 2.0 feature
  - Currently targeted for core 15.04 release
  - Concerns
    - Not enough time to complete the initial desired feature list
      - A number of features were moved out to align with the 15.04 release
      - Team believes some of the features moved out should be included in a first release of Security 2.0
      - Full feature list located here
        » https://wiki.allseenalliance.org/core/security_enhancements
    - Limited time to test
      - Less than 4 weeks before the 15.04 release branch is cut
    - No time to address concerns from recently formed IRB team
      - Security 2.0 project team agrees that changes should be made based on the IRB team's suggestions
      - Addressing this will change the interfaces

Core 15.04 & 15.10 release proposal - Proposal

- Propose moving 15.10 to 15.08
  - Moves the Security 2.0 feature to an August release
    - The cadence would be 15.04 – 15.08 – 16.04
  - Key Completed Security 1.0 enhancements ship in 15.04 (ASACORE 1429, 1494, 1263)
    - Recommend including support for X.509/ECC in 15.04
  - All additional 2.0 features and interface changes completed on a separate branch on clearly communicated dates

- Proposed timing (tentative)
  - HLD Lock – 3/20
  - Interfaces Lock – 5/1
  - Feature Complete – 6/1
  - Validation - 6/1 – 7/22
  - 15.08 release – 8/26 (Follows Core release process)

- Members can begin leveraging the functionality on the feature complete date

Alliance face to face meeting proposed agenda

TSC face to face meeting agenda topics

- What the new IP policy means for projects and working groups

- Rationalizing the WG and project structure

- Review the project lifecycle

- Evolving the TSC charter

- Technical roadmap for the next 12 months

- Participation and collaboration

- C&C and Interop Testing

Call for documentation support

Call for documentation support

- Contributor leading documentation effort is no longer able to do so

- Need a volunteer to take over and provide leadership

IRB Activity Update 2015-02

Dominique Chanet
Chairman, Interface Review Board

Interface Design Guidelines Document

- First version is finished.

- Draft version (pending TSC approval) published here: https://wiki.allseenalliance.org/irb/interface_design_guidelines

- Some sections are still rather bare
  - Common Patterns: waiting for common patterns to emerge
  - Designing for Interface Evolution: more architectural work to be done in the Core WG
  - Designing for Security: awaiting inputs from the Security Subcommittee.

Gerrit as the review tool

- Dedicated tool for code review
  - Supports voting between reviewers
  - Keeps track of all comments and discussions in one place

- Reuse of existing infrastructure
  https://git.allseenalliance.org/gerrit/

- Well-known workflow (same as for code contributions)

- Publically accessible

- Git repository with all standardized Interfaces as a "free" byproduct
  with some tooling support, can be used to extract nicely-rendered reference section for
  http://www.allseenalliance.org/

Workflow

- Initial Interface Definition
  e.g. org.allseen.Foo.Bar version 1

  – Interface Description Document in Markdown format
  org.allseen.Foo.Bar/interface-v1.txt

  – Formal Interface Definition in Extended Introspection XML format
  org.allseen.Foo.Bar/interface-v1.xml
  (optional during early stages, must be present for final approval)

- Push to Gerrit + request review on allseen-irb@lists.allseenalliance.org

- 2-week review period by IRB

  – Reviewers will post comments, give +1/-1 votes

  – Submitter replies to comments, uploads new change sets

- Upon consensus, IRB recommendation is presented to TSC

  – Based on TSC vote, IRB chairperson casts final +2/-2 vote in Gerrit & merges the changes if appropriate

Voting Time!

- Approval of Interface Design Guidelines
  last remaining hurdle for the IRB to start its review activities in earnest

- Creation of the git repository needed for the IRB review workflow
  interfaces/standardized.git

Analytics & Telemetry WG Status

Analytics Event Agent Project

Define AllJoyn interface that provides device manufacturers a common API for capturing, collecting and transmitting data outside the AllJoyn proximal for analysis or other purposes.

org.allseen.Analytics.AnalyticsEventAgent

- `SetVendorData` – Set configuration parameters required by the Analytics Agent.

- `SetDeviceData` –Set device information that should be associated with the events.

- `SubmitEvent` – Log an event to the analytics service.

- `RequestDelivery` – Ask the Analytics Agent to flush pending data to the analytics service.

- C&C interface definition document on the wiki.

C++ Implementation

- C++ interface definition and sample code in AllSeen git repository.

- Sample agent code uses About interface for discovery, ECDHE PSK for security, and protocol buffers for bundling events for transmission to the cloud.

Future Enhancements

- Provide way of limiting device events.
  - On/off, per event or all events.
  - Set maximum rate per event.

Thank You

Follow Us On

- For more information on AllSeen Alliance, visit us at: allseenalliance.org & allseenalliance.org/news/blogs