ALLSEEN ALLIANCE

Technical Steering Meeting

April 28, 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. AllSeen Summit Planning Committee
   - Call for volunteers
3. Security Sub-Committee (SSC) Charter
   - Call for vote
4. 3rd party process
   - Vote to approve
5. 3rd-party OSS approval request
   - Z-Wave Device System Bridge
   - BACnet Device System Bridge
6. Proposal for new TSC sub-committee: “Test Policy”
7. Reporting/Approving changes to developer APIs
8. Lighting update

AllSeen Summit Planning Committee

AllSeen Summit Planning Committee

- Call for volunteers for the AllSeen Summit Planning Committee
  - Committee will be made up of volunteers from the Marketing Committee, TSC, and BoD
- Those members interested please email events@allseenalliance.org

Security Sub-Committee (SSC) Charter - Vote

Proposed Security Sub-Committee (SSC) Charter

- Working Group (WG) Chairs to nominate security champions for TSC approval
- WG Chairs serve as security champions until willing champion identified & approved by TSC
  - So far only Marcello delegated responsibility, Greg Zaverucha accepted, pending TSC Approval.
- Proposed Scope:
  - Engage other open-source groups to learn their approach. Set expectations for best-practices.
  - Ensure security diligence in early/architectural stages of projects; work with IRB to leverage review process; work with Certification & Compliance WG to incorporate “security” as a required for Certification.
  - Find low-cost/low-effort automated code review solution for TSC approval. Map other processes, such as handling vulnerability disclosure. Keep TSC informed of progress with at least quarterly reporting.
  - Tracked pre-release security concerns in JIRA. Track post-release security concerns confidentially.
  - SSC coordination to be done via “mostly email” workflow.
- SSC voting model: requires super-majority of two-thirds with quorum of three-fourths.
- **Call for a vote**

3rd party process

3rd party process Overview

- Dependencies on third-party OSS may have product-related and maintenance implications.
- For example, if a project wanted to create a dependency on GPL licensed code it might become difficult, if not impossible, for some members to ship products that use that project's code.
- Dependencies on third-party OSS need to be vetted to make sure they are acceptable to the membership.
- The proposal has been submitted to TSC members a few weeks ago

- Call for a vote

3rd-party OSS approval request

Z-Wave Device System Bridge

BACnet Device System Bridge

3rd Party OSS Submission Request

Microsoft requests to include 3rd-party OSS projects into two DSB contributions. The OSS components are needed to show the capabilities of DSB. Having them in one project makes it easier for developers to create and build the DSB projects.

Why include the 3rd-party OSS?

Microsoft made changes to the code to enable the stacks to run on Windows platforms. Those changes are not available at 3rd-party OSS location yet. Our objective is to contribute those changes to the OSS project. Once this is achieved we could separate the 3rd-party OSS from the Microsoft DSB samples if needed.

Open Z-Wave Stack

Why needed?

The Z-Wave Device System Bridge uses the Open Z-Wave Stack to access Z-Wave devices. The Open Z-Wave stack provides an API set to access the devices without deep knowledge of the Z-Wave protocol.

OSS Information

- OpenZWave, v1.3
- License: LGPL (https://github.com/OpenZWave/open-zwave/blob/master/license/license.txt)
- https://github.com/OpenZWave/open-zwave

BACnet Stack

Why needed?

The BACnet Device System Bridge uses the BACnet Stack to access devices on a BACnet network. The BACnet stack provides an API set to access the devices without deep knowledge of the BACnet protocol.

OSS Information

- BACnet stack, v0.82
- License: MIT
- http://sourceforge.net/projects/bacnet
- http://bacnet.sourceforge.net

Proposal for new TSC sub-committee: “Test Policy”

Proposal for new TSC sub-committee: “Test Policy”

- Manage and direct contractor support
  - POC for release testing and automated test system hosting
  - Provide direction, track status, and resolve issues
- Establish test policy for
  - Release testing
  - New feature testing
  - Unit tests
  - Continuous integration
  - Format and content of test plans and test cases
  - Roles and responsibilities for TestLink

Reporting/Approving changes to developer APIs

Reporting/Approving changes to developer APIs

- Discuss process regarding changes in developer APIs
  - These can potentially impact other dependent projects
- Options
  - Notify TSC allowing for a period of time for feedback
  - Require a TSC vote for changes in developer APIs

Lighting update

John Cameron, LIFX VP Product
AllSeen Alliance Chair Smart Spaces W.G.

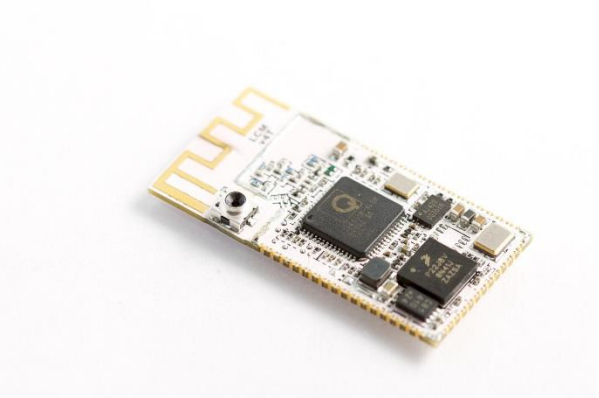
Lighting 14.12 Released

The Lighting Services project team from Qualcomm and LIFX is please to announce v14.12 release completion:

- Support for the 14.12 About framework in core.
- Verified against the 14.12b core and 14.12 base services releases.
- Added OpenWRT BB & CC Controller Service reference builds in Jenkins
- Release notes: https://wiki.allseenalliance.org/lighting/lighting_14.12_release_review

Lighting Service Framework 1.0

LSF 1.0: 7 pieces of software



Lamp Service

Lighting Controller Service

Sample Apps

Lighting SDK

Luminaire*

* Luminaire provided by Qualcomm and not open source

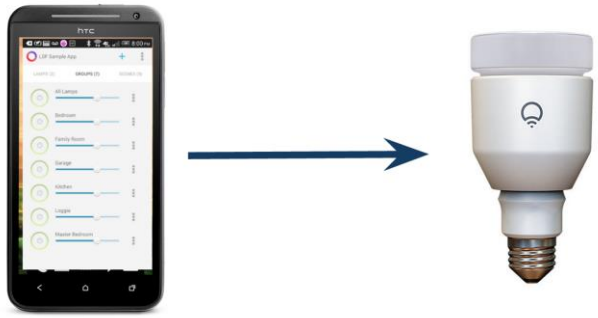
LSF 1.1 Enhancements

Feature
Migrate the whole of LSF to AllJoyn Core 14.12 and 15.04 and validate scalability and performance.
Lighting Controller in Android and iOS SDK's (Bundled Lighting Controller)
Sample Apps for Android and iOS built on Lighting SDK
Sample App for Android built with On-boarding SDK and UI enhancements
Lighting SDK support for creating groups, presets, and scene, state change callback

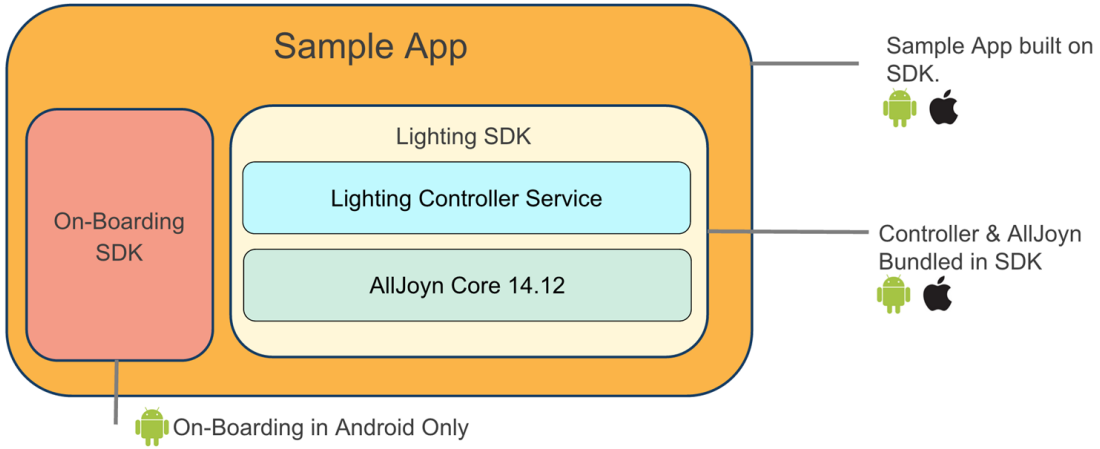
LSF 1.1 Architectures

Hub-less

Controller bundled in SDK running inside the app

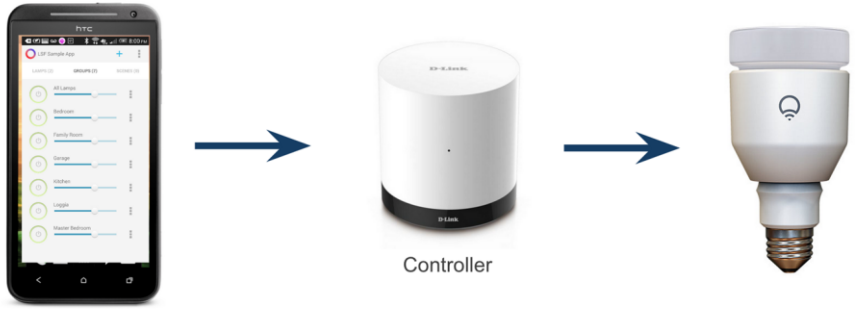


Controller



Hub

Controller running outside the App in a network device



Controller

LSF 1.1 Next steps

- **iOS/Android:**
  - Feature-complete June 2015, release October 2015.
  - Timeline limited by QA resources. Member companies invited to contribute eg:
    - Test automation development
    - SDK integration trials
- **Other platforms:**
  - Linux/C++ SDK: not scheduled yet, member companies encouraged to contribute.

Thank You

Follow Us On 

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