



**ALLSEEN
ALLIANCE**

Technical Steering Meeting

May 16, 2016



**Reminder:
This call is being
recorded**

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.



Agenda

1. Approve minutes from previous meeting
2. New Committer in Core project
3. AllJoyn Home Device Bridge Project Proposal
4. Base Services: April Progress Report and May Plan



New Core Project commiter

Marcello Lioy

Way Vadhanasin

- Currently a committer on the core/test repo
- Has been a reviewer on the core/alljoyn project for a year or more
- Want to add him as a committer to core/alljoyn
 - Committers on that project have voted to approve his nomination
- Asking TSC to vote to approve



AllJoyn Home Device Bridge Project Proposal

Cheol Hwi Kim, Innopia Technologies, Inc.

May 2016

AllJoyn Home Device Bridge Project Proposal

- **Background:**

- The current AllJoyn Device System Bridge is only supported for Windows OS thus there has been limitation for expanding ecosystem in other platforms.
- AllJoyn Home Device Bridge Provides a standard Bridge connection to non-AllJoyn devices such as ZigBee, Z-Wave and Bluetooth to AllJoyn in Linux based platform such as Android and OpenWRT.

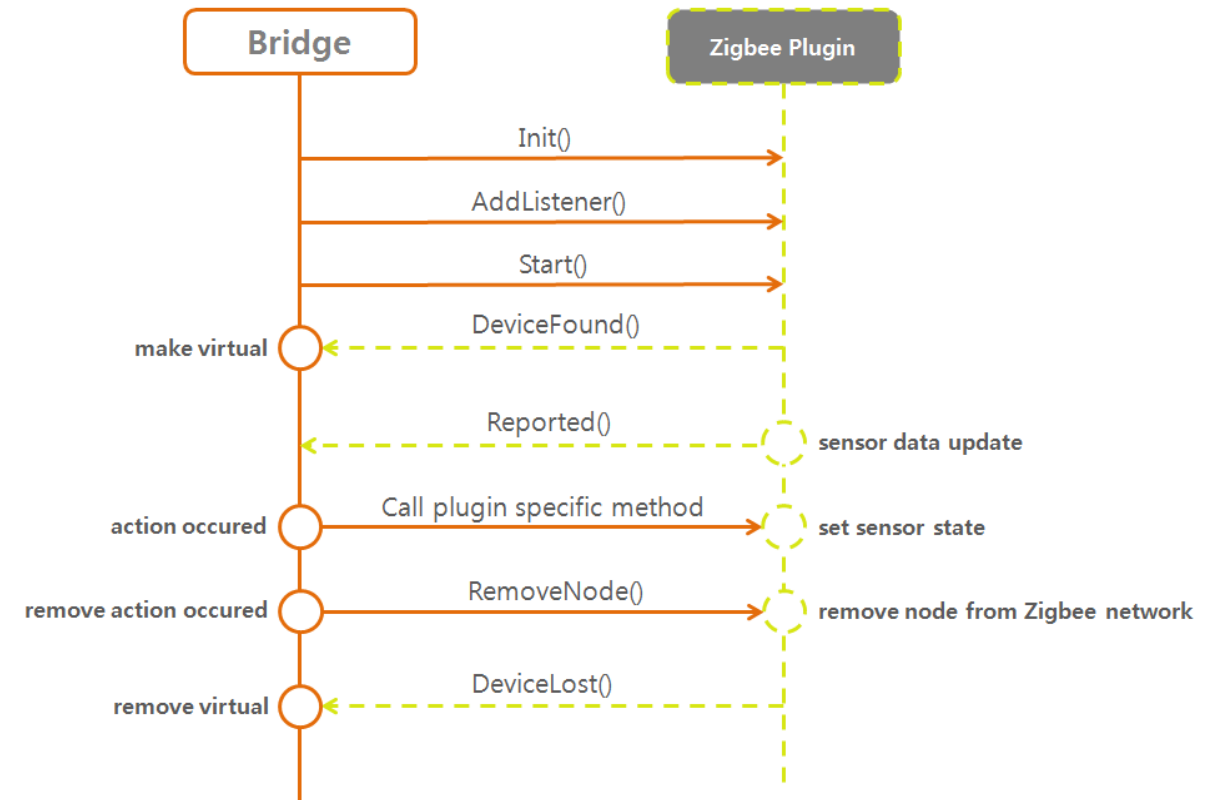
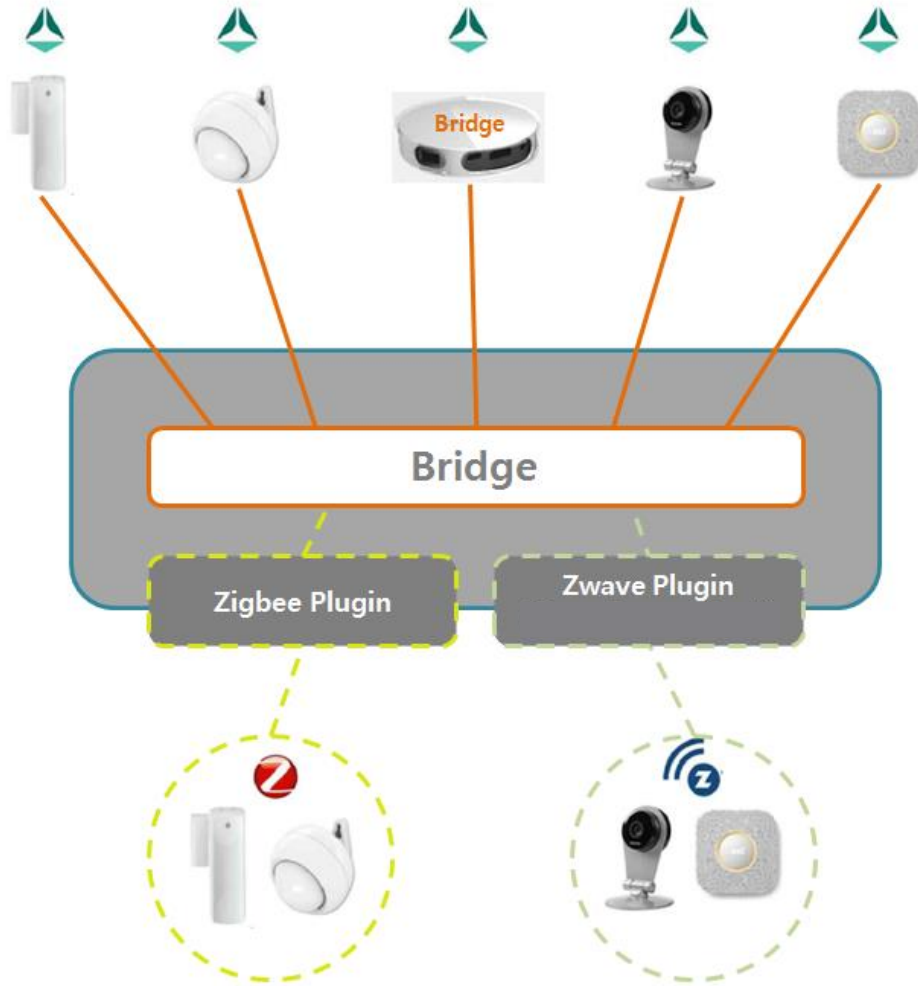
- **Objectives:**

- Provide Home Device Bridge which can initially connect ZigBee and Z-Wave device to AllJoyn in Linux OS and Open WRT OS. The future update will support Bluetooth and Thread. Also Android OS support will be added.
- AllJoyn Home Device Bridge creates virtual representation of devices on the AllJoyn bus for each external device.
- Virtual representation supports the following AllJoyn services: About, Configuration and Events & Actions.
- For Home Device Bridge, notification service is also supported.
- From the user's perspective, any standard ZigBee, Z-Wave and Bluetooth device will be recognized as AllJoyn device.

AllJoyn Home Device Bridge Interfaces

- Bridge:
 - Represents each external devices as AllJoyn device dynamically.
 - Have specific configuration file for each external device.
 - Have specific Events & Actions Database for each external device.
 - Virtual representation supports on-boarding and notification services
 - Virtual representation has Actions for entering Add/Remove mode for ZigBee/Z-wave
- Plugin:
 - Each plugin needs implementation of network stack for device.
 - ZigBee Plugin Socket
 - Z-Wave Plugin Socket

An Application Example



Project Information

- Working Group: Gateway Working Group
- Staff – from Innopia Technologies, Inc.
 - Project Maintainer - Dong Seok Shin (dsshin@innopiatech.com)
 - Sang Heon Lee (shlee@innopiatech.com)
 - Cheol Hwi Kim (kimcheolhwi@innopiatech.com)
- Supported platforms: Linux kernel platforms, e.g. Android, OpenWRT
- GIT repository name: Home Device Bridge
- Supported AllJoyn Version: Starting from v15.09
- Status and schedule
 - First release is planed to be 2 months after the approval of the project.
- We ask support from the TSC for approval of this project.



Base Services

16.04

- April Progress Report and May Plan

Resourcing

- Aaron Vernon (Project Manager) ~**25%**
- Daniel Stroud (Software Architect) ~**10%**
- Jarrod Moldrich (Lead Software Engineer) **100%**
- Nathaniel Garrett (Software Engineer) **100%** (on paternity leave for 10 weeks)
- Jayden Ivanovic (Software Engineer) **100%**
- Ben Kersten (Software Engineer) still ramping down to **0%**
- Cameron Harvey (Software Engineer) still ramping up to **100%**
- Brian Hollister (Software Engineer) **100%**
- Brett Rogers (Technical QA) **100%**

April Actuals

	Total Hours
Product Owner	
Aaron Vernon	21.6
	21.6
Developers	
Ben Kersten	88.5
Brian Hollister	136
Cameron Harvey	48
Daniel Stroud	31.28
Jarrold Moldrich	162
Jayden Ivanovic	152
Nathaniel Garbutt	156
Simon Collins	2.42
	776.2
QA	
Brett Rogers	161
	161
	958.8

16.04 Base Services milestones

- **15 April 2016:** Initial 16.04 Core build available to start building against
- **4 May 2016:** 16.04 Base Services Feature Freeze
- **25 May 2016:** 16.04 Base Services Release

Review - March 16.04 Base Services progress

- [30d] Add Security 2.0 support 50% complete
- [20d] Update platform & language support 75% complete
- [30d] Update to 16.04 core (some of this will be catching up to 15.09) 50% complete
- [15d] Set up Continuous Integration for all supported platforms & languages. 100% complete
- [15d] Fix samples 50% complete
- [20d] Update documentation (will continue to evolve)
- [5d] Clean up Jira - remove obsolete tickets, identify and investigate important tickets 100% complete
- [12d] Fix the bugs identified as the most important (time boxed)
- [20d] Automated Integration Tests for Onboarding and Notifications

April 16.04 Base Services progress

- [30d] Add Security 2.0 support 100% complete
- [20d] Update platform & language support 100% complete
- [30d] Update to 16.04 core (some of this will be catching up to 15.09) 100% complete
- [15d] Set up Continuous Integration for all supported platforms & languages. 100% complete
- [15d] Fix samples 90% complete
- [20d] Update documentation (will continue to evolve) 20% complete
- [5d] Clean up Jira - remove obsolete tickets, identify and investigate important tickets 100% complete
- [12d] Fix the bugs identified as the most important (time boxed) 100% complete
- [20d] Automated Integration Tests for Onboarding and Notifications

April 2016 - Jira Issues update

- Due to the short notice for the presentation I wasn't able to get a Jira issues update from Jarrod
- If people want to know this level of detail then feel free to join our Weekly Triage call every Monday 2pm PST

May 2016 - Plan

- Release Base Services on **May 25th**
- Start planning and investigating 16.10 based on priorities from F2F
- We will need to adapt to Core 16.10 plan after it is presented
 - Ideally we would like to release a more polished and developer friendly Base Services once Core has more complete platform support and fixes some issue that we identified but that missed 16.04



Thank You

Follow Us On      

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