



**ALLSEEN
ALLIANCE**

Technical Steering Meeting

December 1, 2014

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**Reminder:
This call is being
recorded**



Agenda

1. Approve minutes from previous meeting
2. CES hackfest & demo exhibit
3. Proposals up for vote
 - Security Sub-Committee
 - Home Appliances & Entertainment (HAE) Service Framework
4. Call to action
 - Answer questions on ask.allseenalliance.org.



CES hackfest & demo exhibit

Contribute and Collaborate for exposure
with Public and Press at CES `15

CES Hackfest and CES Demo Exhibit

- Need AllJoyn mentors for the CES hackfest devsummit.att.com Jan 3-4 in Vegas
 - If you have things to develop on or hack against, you can bring them too.
 - Also leverage the AllJoynJS work from the Summit's hands-on developer session
wiki.allseenalliance.org/develop/hackfests/alljoyn-js
youtu.be/kPyDeB3B2LY
 - Must contact Katie and Joe kschultz@linuxfoundation.org jspeed@linuxfoundation.org
 - And register at devsummit.att.com
- Need your stuff for a) CES Hackfest Jan 3-4 and/or b) our CES demo exhibit Jan 6-9
 - What have you got with AllJoyn? Wearables? Lights? Speakers? Door locks? TVs? IoT Cloud w Gateway? Developer kit? Development services?
 - Contributors to CES will get exposure with the public and press
 - Contributors to CES hackfest will be added to CES Hackfest technology list
developer.att.com/community/events/2015-developer-summit/partner-technologies
 - Get listed in the **[Member Collaboration Zone](#)** by emailing Brett bpreston@linuxfoundation.org

Member Collaboration Zone

- What have you got w AllJoyn?
- Contributors to CES will get exposure with the public and press
- Get listed in the [Member Collaboration Zone](#) by emailing Brett bpreston@linuxfoundation.org
- wiki.allseenalliance.org/members_private/member_collaboration

Member Collaboration Zone

This page has been created to help facilitate member to member collaboration. Be it for a trade show, or just testing in internal labs, the goal is ensuring interoperability.





We want this page to be a useful tool for members. If you have recommendations on how we can improve the page (i.e. additional fields of information to capture/display) please send them to bpreston@linuxfoundation.org

Disclaimer: Just because a member has noted certain products/solutions that may be available, engagement is still at each member's discretion. This is purely a directory intended to help facilitate connections.

Antitrust Reminders:

- [Antitrust Policy for AllSeen Alliance](#)
- [Antitrust Compliance Checklist](#)

Member Collaboration Directory

Company Name	Main Collaboration Contact	Devices containing AllJoyn available for contribution	Types of devices sought from other members
 Fon	 Javier Domingo Cansino	WiFi AP	Any device containing AllJoyn
 Modacom	 Youngjun Ko	WiFi AP with AllJoyn Service	Any device such as light bulb and speaker containing AllJoyn

Edit





Edit

Upcoming Events

We will highlight event specific opportunities for collaboration on this page. If you want to collaborate with other members at an upcoming show or event or if you will be demonstrating AllJoyn enabled products at a show or event, please let us know: bpreston@linuxfoundation.org

Edit

CES 2015 Collaboration

Company Name	CES Collaboration Contact	What collaboration would you like with member companies at CES	Will you have a CES demonstration featuring AllJoyn that you want featured (press, events, etc.)
 Fon	 Javier Domingo Cansino	Looking for products containing AllJoyn to work into our booth demo	Yes
 Sample	 Sam Ple	Looking for products containing AllJoyn to work into our booth demo	Yes

Edit

Edit

MWC 2015 Collaboration

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Your CES Exhibit + AllSeen Alliance

1. Confirm your company's attendance at CES – and booth number(s)
2. Who is your CES contact so we can connect before and during show?
3. Can I get you to commit to AllSeen signage in your booth at CES?
4. Will you be demonstrating AllJoyn enabled products at CES?
5. Are you demonstrating AllJoyn enabled product interoperability at CES?
6. If yes: What other products will you be using in your AllJoyn enabled demonstration?
7. Is there anything the Alliance can help you with at CES?

Members with CES booths:

1. <hidden> announcing pre-CES
2. Cisco
3. D-Link
4. dog hunter / Linino
5. Geo Semiconductor
6. Guangdong Pisen Electronics
7. Haier
8. Icontrol Networks
9. Imagination Technologies
10. Innopia Technologies, Inc.
11. Kii
12. <hidden> announcing Dec 10th
13. <hidden> announcing Dec 10th
14. Microsoft
15. Musaic
16. Muzzley
17. NETGEAR
18. Panasonic
19. <hidden> announcing Dec 10th
20. QCE
21. Razer
22. Bosch
23. Sears
24. Sharp
25. Silicon Image
26. Smartlabs, Inc. (Insteon)
27. Sony
28. Technicolor
29. TP-LINK
30. Tuxera
31. Vestel
32. Weaved

.. did I miss anyone?



Proposals up for vote

- Security Sub-Committee
- Home Appliances & Entertainment (HAE) Service Framework

Security Sub-Committee Proposal

- Overview
 - As workgroups release “high visibility” releases, mistakes on security can damage confidence in and credibility / image of the AllSeen/AllJoyn Alliance/Project as a whole.
 - It’s not clear how projects are thinking about security.
 - More security due-diligence is needed in architectural design review (early in project, defining interfaces) and implementation/code-review
 - Proactive detection of architectural flaws at design can save a ton of work and save re-work.
 - The process and security policy both need to avoid being too heavy.
 - The process needs to be automated where possible.
 - Manual labor (like adding extra Code Reviews for each contribution) is extremely difficult to staff
- Chair: Brian Witten [Symantec]
- TSC Vote

Home Appliances & Entertainment (HAE) Service Framework Proposal (1 of 3)

- Overview
 - Scope of devices under this project
 - Will be limited to only Home Appliances and Entertainment devices
 - Version 1.0 will include Air Conditioner, Air Cleaner, Air Quality Monitor, Oven, Refrigerator, Robot Vacuum, Washer and TV.
 - For each HAE device, a minimum set of common operations and parameters across devices from different vendors will be specified
 - Vendor-specific extensions will be allowed without raising any interoperability issue
 - Standard AllJoyn interfaces will be developed for each HAE device
 - Some interfaces can be commonly used for various HAE devices
 - The project will deliver a common implementation for HAE service framework into the open source

Home Appliances & Entertainment (HAE) Service Framework Proposal (2 of 3)

- Maintainer
 - Inhwan Choi, Engineer, LGE1)
- Committers
 - [Haier] Zhao Ru (Standard Development Manager), Qingsong Bai (Standard Development Manager)
 - [BUPT2)] Yonghua Li (Vice Professor), Kun Zheng (Engineer)
 - [LGE] Inhwan Choi (Engineer), Wonchul Choi (Engineer)
- Contributors
 - [Haier] Milton Wang (Vice Director), Jun Zhang (Standard Operation Manager)
 - [BUPT] Lei Qi (Engineer), Linghan Li (Engineer)
 - [Panasonic] Tomoki Ogawa (Engineer)
 - [LGE] Seongho Kim (Engineer), Chanhun Jeon (Engineer), Hwantae Kim (Engineer)

Home Appliances & Entertainment (HAE) Service Framework Proposal (3 of 3)

- Initial Contribution
 - Device model for Haier air-related appliances
 - Example AllJoyn interface specifications for LG HAE devices
- Project Plan
 - High-level system description document : December 2014
 - AllJoyn interface specifications : February 2015
 - High-level design (HLD) documents for foundational components : March 2015
 - Foundational component implementations for Linux : June 2015
 - Certification test suite : August 2015
 - Reference controller applications for Android & iOS : September 2015
 - First official release : September 2015
- TSC Vote



Urgent call for action

Need WG maintainers and committers to
step up and answer questions on
ask.allseenalliance.org

Q&A Contributions

There are many ways contribute to our Q&A site, <https://ask.allseenalliance.org>:

- Vote for questions and answers
 - The most helpful items will get higher rankings in search results
- Reduce the backlog of unanswered questions
 - Go to <https://ask.allseenalliance.org/questions/scope:unanswered/sort:answers-asc/> to find questions with no answers posted yet
- Use comments to help users
 - Some “questions” should be redirected to Jira, or you can provide links to documentation
- Search for keywords you know about and review existing answers
 - Vote for good answers, or provide a better answer if you can
- Follow specific tags to monitor for new questions

Q&A Power Users

Working group chairs and project committers can request “extra karma” from allseen-infrastructure@lists.allseenalliance.org to get power user privileges

- Edit questions and answers
- Convert “reply answers” to comments
- Update tags
- Mark answers as “correct”
- Delete or flag problem posts



Thank You

Follow Us On      

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



Backup



Interface Review Board Proposal

Many practicalities to be decided.

- Who will man this committee?
Calling for volunteers!
- How large will it be?
Let's start with 5 or 6 people.
- Voting procedures?
Proposal:
 - At least 2 members of the IRB must review an interface and approve.
 - Having more reviewers is optional.
 - In case of contention, majority vote decides.
- Service guarantees
Proposal: Interface review phase comes before C&C test spec review, feedback guaranteed within 2 weeks.

Going forward

- Volunteer solicitation phase starts now. Announce your candidacy on the TSC mailing list.
- Next week, final vote on the formation of the IRB
 - Names of the IRB volunteers will be presented prior to vote.
- IRB will draft interface guidelines by year's end
 - To be presented and voted upon by the TSC
 - Interface guidelines will be updated as needed, following technical evolutions (interface versioning, extensions to Introspection XML format, ...)
- From 2015 onward, interface standardisation is governed by the IRB.

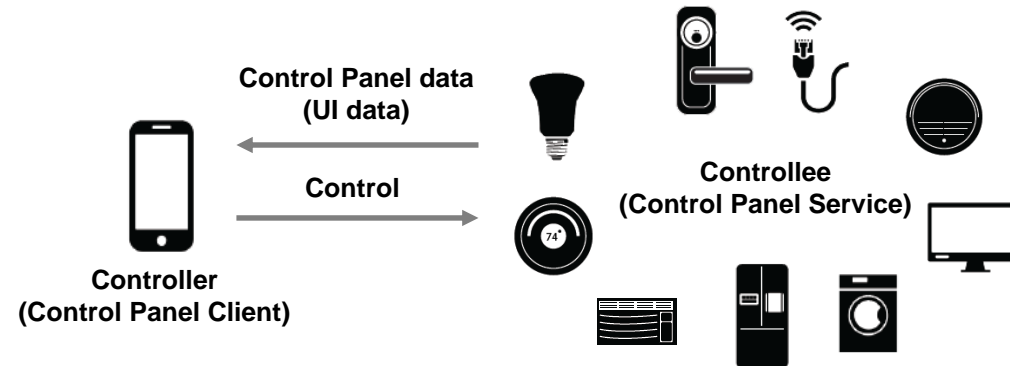


Home Appliances & Entertainment (HAE) Service Framework Proposal

Haier and LG Electronics

Motivation

- Control Panel Service Framework
 - Controllee exposes its UI using the framework
 - Controller renders the UI and control the controllee based on UI input by a user
 - Similar to Web Server ↔ Browser concept
 - Very generic and extensible framework !



- But, it has some limitations
 - Control & monitoring is only possible when a user see the controller screen
 - Exposed functionalities for the same type of device may differ by vendors
 - Not easy to accommodate a variety of controller screens with a single control panel UI data (Smart Watch/Phone/Tablet/Laptop and TV, etc)

HAE* Service Framework

* Home Appliances and Entertainment (devices)

Why is it important ?

Purpose

- Develop standard AllJoyn interfaces for controlling and monitoring Home Appliances and Entertainment devices
- On top of this, build creative and innovative IoT services by combining other existing or to be defined AllJoyn service frameworks.
(Notifications, event/action, smart home service framework, gateway agent service framework, lighting service framework, living scenario, etc)

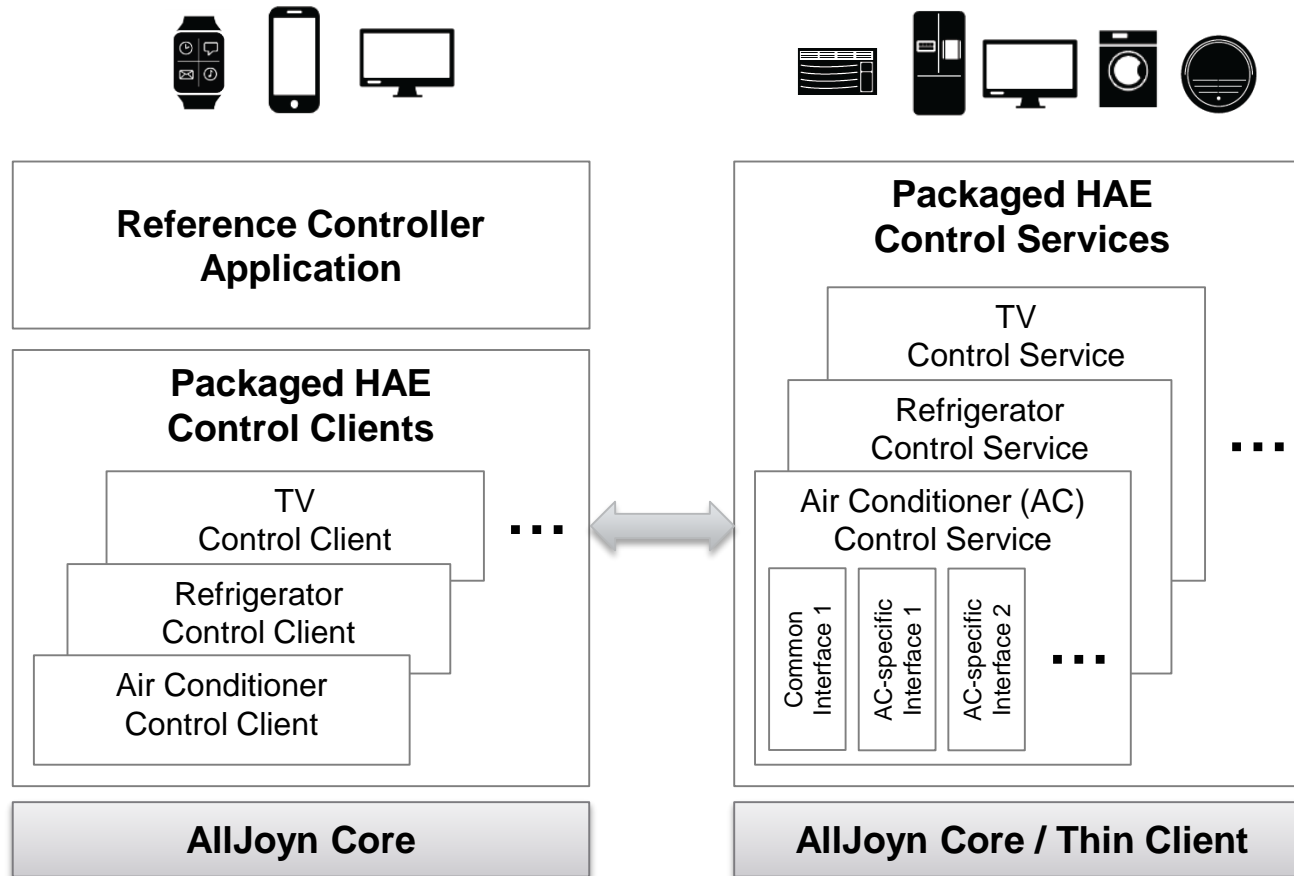
Benefit

- Cross-vendor interoperability
- Background control & monitoring
- Identical user experience across devices from different vendors thanks to the identically exposed device capability
- Tailor-made UI for each controller screen

HAE* Service Framework

* Home Appliances and Entertainment (devices)

Overall Architecture



- One control service / client pair per HAE device
- Provide packaged HAE control services / clients
- For each HAE device, only the corresponding control service will be implemented by using a build option
- For controller applications, controllable devices are up to developers' choice

Dependencies, Project Name, Working Group

- Dependencies
 - AllJoyn Core and Base services such as About interface
- Proposed Project Name
 - Proposed name for the project : “HAE Service Framework”
 - Proposed name for the git repository : “device_services/hae”
- Proposed Working Group
 - For future extensibility, formation of a new working group called “Device Services” is proposed
 - Starting with HAE service framework as an initial project, new categories of devices can be added by proposing new projects under the same working group

Committers and Contributors

- Maintainer
 - TBD
- Committers
 - Haier, LGE¹⁾, BUPT²⁾ teams
 - Open to any interested party
- Contributors
 - Haier, LGE, BUPT teams
 - Open to any interested party

► After project approval, team formation and detailed project planning will follow soon.

1) LG Electronics

2) Beijing University of Posts and Telecommunications

Initial Contribution & Project Plan

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