



**ALLSEEN
ALLIANCE**

Technical Steering Meeting

March 8, 2016

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recorded**

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Agenda

1. Approve minutes from previous meeting
2. Release Request Template
3. Vice Chair nominees
4. Development update from ASA CF development team
5. Common Frameworks roadmap discussion



Release Request Template

Marcello Lioy

Approval request for project XXX release YY.MM

Committees/Dev lead approval?	Done?	Date
QA lead approval?		
IRB review and approval?		
C&C Committee review and approval?		
Security Sub-committee review and approval?		



Vice-Chair Nominees

Vice Chair Nominees are:

- Art Lancaster
- Aaron Vernon
- Will Vote over the coming week using Condorcet
 - Vote closes as 12pm PST on Monday, 3/14
- Will announce/introduce new vice chair during 3/14 TSC call



Base Services

16.04

February Progress Report and March Plan

Resourcing

- Daniel Stroud (Project Manager)
- Jarrod Moldrich (Lead Software Engineer)
- Ben Kersten (Software Engineer)
- Nathaniel Garbutt (Software Engineer)
- Jayden Ivanovic (Software Engineer)
- Brett Rogers (Technical QA)

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

16.04 Base Services release plan

- [30d] Add Security 2.0 support
- [20d] Update platform & language support
- [30d] Update to 16.04 core (some of this will be catching up to 15.09)
- [6d] Set up Continuous Integration for all supported platforms & languages.
- [15d] Fix samples
- [20d] Update documentation (will continue to evolve)
- [5d] Clean up Jira - remove obsolete tickets, identify and investigate important tickets
- [12d] Fix the bugs identified as the most important (time boxed)

Base Services currently contains Onboarding, Control Panel and Notification (Config has been moved out of BaSe already)

February 2016 progress

- [30d] Add Security 2.0 support
- [20d] Update platform & language support 40% complete
- [30d] Update to 16.04 core (some of this will be catching up to 15.09) 15% complete
- [15d] Set up Continuous Integration for all supported platforms & languages. 80% complete
- [15d] Fix samples 20% 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)

February 2016 progress notes

- We are starting our work on the 16.04 release by completing the Base Services 15.09 release but we don't intend to re-release 15.09 separately unless 16.04 core is delayed significantly or there is a strong demand.
- We have made complete and automated build environments for Windows/OSX/Linux.
- Continuous integration and building has taken more time than we initially estimated.

February 2016 Jira Issues update

- We have done a rudimentary investigation of all Base Services Jira issues
- **22 issues** have been closed as obsolete or not reproducible
- **7 issues** are new and in progress, mostly related to CI
- **1 issue** is on hold until CI and Gerrit is up and running
- There are currently **53 open issues**
- Weekly Triage call Monday 2pm PST

March 2016 - Plan

- Finish CI build support for all platform/language combinations and add to the AllSeen CI
- Finish platform & language support as much as possible without Core changes
 - We will identify and communicate any blocker issues in Core
- Make significant progress on Security 2.0 support



Common Frameworks Roadmap

Vision Statement

To build and maintain projects that have generic and horizontal applicability across the Alliance. In particular it is focussed on providing frameworks that enable developers to more easily implement AllJoyn and enable compelling use cases in their products and services.

Current Projects

- Base Services - Notifications, Control Panel and Onboarding
- Location Services
- Media Delivery - currently dormant

Base Services

- 16.04
 - Update to Core 16.04
 - Platform and Language support
 - Bug fixes
- 16.10
 - Further bug fixes
- Future
 - No major changes currently planned

Location Services

- 16.04
 - No release
- 16.10
 - Presence, Distance, Geofence and Location services
- Future
 - Containment services

Media Delivery

- 16.04
 - Nil
- 16.10
 - Nil
- Future
 - The aim is to revamp this project some time post 16.10 so that AllJoyn can efficiently and effectively deliver images, audio, video and generic assets.

Home Controller project

- As John Cameron and I have both said previously, we think there is a strong need for this project to be redefined and pushed forward.
- Regardless of whether this project lives under Common Frameworks or Smart Spaces I strongly believe that some Alliance funded developers should be assigned to it for 16.10.
- I will work with John to flesh this out more for the Smart Spaces roadmap presentation but at a high level it will initially feature:
 - Groups
 - Scenes
 - Living Scenarios (project merged in)
- Lighting Service Framework will be deprecated

Common Interfaces Project

- A new project under Common Frameworks that I propose should be the predominant focus of the Alliance funded Common Frameworks developers for 16.10.
- I will now present the project proposal.



Common Interfaces

- Common Frameworks Project Proposal

Motivation

- AllJoyn is currently behind other standards when it comes to device interfaces and this makes interoperability and certification hard.
- HAE has made great progress with interfaces but only in the Home Appliance and Electronics vertical.
- AllJoyn device interfaces whilst more RPC based should draw inspiration from REST based schemas such as Weave, OCF and HomeKit to enable future interoperability to be more easily achieved.
- Common Interfaces combined with a refocused Home Controller will allow AllJoyn to support very compelling use cases and keep us relevant against competing standards and ecosystems.

Scope of Project

- Work with the HAE group to figure out how to sensibly share code since a lot of it will be relevant and reusable.
- Initial scope of devices under this project:
 - Light, Lock, Switch, Door Sensor, Window Sensor, Smart Plug, Speaker, Water Sensor, Smoke Detector, Motion Sensor.
- Find a suitable champion company for each device that can help define the interface and initially support it in a shipping device.
- Provide a device simulator for each supported device.
- Device Interfaces will be submitted for standardization by the Interface Review Board.
- There will be easy to consume code interfaces, samples and documentation for each of our supported platforms/languages.

Dependencies, Project Name, Working Group

- **Dependencies**
 - AllJoyn Core
- **Proposed Project Name**
 - Proposed name for the project: “Common Interfaces”
 - Proposed name for the git repository: “services/common_interfaces”
- **Proposed Working Group**
 - Common Frameworks

Committers and Contributors

- **Maintainer**
 - Aaron Vernon (Higgns)
- **Committers**
 - Simon Collins (Two Bulls)
 - Jarrod Moldrich (Two Bulls)
- **Contributors**
 - Mirko Lindner (Vodafone)
 - John Cameron (LIFX)

Project Plan

- Initial code and project structure setup: July 2016
- Light, Lock, Switch interfaces ready for review: August 2016
- Plug, Speaker, Smoke Detector ready for review: September 2016
- Door, Window, Motion and Water Sensors ready for review: October 2016
- Code freeze and QA phase begins: October 2016
- First official release: part of 16.10 in November 2016

We will be taking a depth first approach so for each device the device interface, code interface, samples and simulator will all be developed at the same time. In this way we ensure that even if we slip at least there is still a set of completely supported device interfaces ready.

Future Work

- The device simulators could be extended into a generic device simulator for AllJoyn.
- Support further device interfaces.
- Use the Common Interfaces as a basis for doing further development of Control Panel in Base Services.



Thank You

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