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Technical Steering Meeting

May 23, 2016



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Agenda

1. Approve minutes from previous meeting
2. Webdocs committer for HAE project
3. Core: April Progress Report and May Plan



New Webdocs Project committer

John Cameron (Smart Spaces Chair)

Webdocs committer

- Existing committers:
 - Jarrod Moldrich (Two Bulls) – Common Frameworks WG
 - Art Lancaster (Affinegy) – Gateway WG
 - Josh Spain (Affinegy) – Core WG
- Seungchul Han from LGE will be the committer on behalf of the Smart Spaces working group



Core: April Progress Report and May Plan

Art Lancaster, Affinegy

Core Funded Team – Review of Charter

From the Contract for in-scope supported core projects

- AllJoyn standard core and router
- AllJoyn thin core library
- AllJoyn-JS thin client Javascript
- OpenWRT feed for standard and thin core

Supported platforms

- The Affinegy development team will support releases for all approved target platforms for these projects using 15.04's supported platforms as a baseline.

Not in scope for the funded team in Core (the funded team is just part of the Core WG team)

- Security Manager

Agreed Priorities Management with Core WG

The release plans for the core projects will be supported following the AllJoyn Core Working Group prioritization processes for each monthly team sprint with TSC oversight.

From February through the end of April our agreed priorities with the Core WG were to support JIRA issue resolutions needed for an on time 16.04 release

April Results Report

- Supported the Core Work Group in fixing key issues for 16.04's release which was accomplished at the end of April.
- Worked on and Resolved
 - 25 resolved/closed
 - ASACORE - 2686, 2795 , 2796, 2838, 2571, 2587, 2788, 2842, 2883, 2878, 2564, 2840, 2843, 2904, 2910, 2846, 2914, 2839, 2781, 2879, 2827, 2852, 2884, 2850, 2782
- Worked on but still open
 - 11 investigated/worked on but remain open
 - ASACORE - 2851, 2896, 2916, 2905, 2908, 2774, 2748, 1598, 2772, 1589, 1811

A few highlights of improvements in Core 16.04

- New password-based authentication mechanism ECDHE_SPEKE (ASACORE-2055)
- Improved multi-thread and multi-process Key Store synchronization (ASACORE-2751)
- Support for unified introspection XML format (ASACORE-964)
- Additional C APIs for InterfaceDescription (ASACORE-2662)
- **BusObject::Introspect()** and **IntrospectWithDescription()** return invalid Introspection XML for secure bus objects (ASACORE-2571) *Highlighted as this is key for events & actions support through Gateway Agent and via XMPP*
- CreateInterfacesFromXml and IntrospectWithDescription support for multiple description languages (ASACORE-2667)
- Support for a "const" annotation of interface description properties (ASACORE-2254)
- C APIs for Security 2.0 (ASACORE-2607)
- XML-based Security 2.0 methods for handling Manifests, Policies and Rules (ASACORE-2607)
- Support for multiple Security 2.0 Manifests for a single app (ASACORE-2710)
- Each Security 2.0 Manifest must be signed (ASACORE-2750)

For the complete resolved issues list see

https://git.allseenalliance.org/cgit/core/alljoyn.git/plain/alljoyn_core/docs/ReleaseNotes.txt?h=RB16.04

Platform Support Status for 16.04 at release

Fully Validated Platforms (this is as was supported in 15.09)

1. Linux Ubuntu 14.04 LTS (64 bit)
2. Android Lollipop 5.0 (ARM7)
3. OpenWRT Chaos Calmer
4. Windows 7 and 10

For information on AllJoyn support in Windows 10 see link below: <https://msdn.microsoft.com/en-us/library/windows/apps/windows.devices.alljoyn.aspx>

See the Core Release Review wiki page for other platforms that have not been fully verified, but may work: https://wiki.allseenalliance.org/core/core_16.04_release_review#regression_test

Plan for adding iOS support

Per the funded project plans, iOS support was not planned to be added by the April 30th release of 16.04. This work is now staffed with a full time iOS developer and schedule being finalized.

April Report

- Fewer hours needed from Art as team is fully up to speed, especially in QA/Test support
- Actual was close to planned total staffing at 5% below planned total staffing
 - Short fall was with staff working on updating AllJoyn XMPP Connector to 16.04 which is not included in the funded work
 - April was still below budget level by 14%, short fall was due to critical work need on AllJoyn XMPP connector that is not in the funded project.
- Added iOS/Android developer (Kishore)
 - Expert developer for iOS / Android /Java
 - During April supported Android issue closure for 16.04 release as he was coming up to speed on the AllJoyn Core
 - Now full time on updating iOS platform support

Actual vs. Plan	Plan	Actual	Difference
Month of April	<u>Hours</u>	<u>Hours</u>	<u>Actual - Plan</u>
Development/Mgmt			
Art Lancaster	68	24	-44
Josh Spain	120	112	-8
Paul Sigurdson	40	64	24
Andrey Krokhin	160	160	0
Krystian Zlomek	140	141	1
Jorge Martinez Hernandez	60	26	-34
George Tang	60	15	-45
Karol Matuszkiewicz	100	97	-3
Kishore Kolli (new this month)	40	100	60
QA			
Jes Golka	80	89.5	9.5
Total	868	828.5	-39.5

Process for getting to 16.10

- Estimate work based on board approved TSC priorities – In Process
 - Discussed on next couple of slides
- Develop 16.10 plan with Core WG – Active (review this Thursday)
- Review plan with TSC – Next weeks meeting
 - Get TSC approval
- Build
 - Periodically report on progress
- Release – planning Oct 27, 2016
- Review plan vs.results

May Plan

- Address issues identified by Base Services and HAE
- Plan and investigate the work required to resolve the non-parity of bindings and features
 - Differences between C, Java, Obj-C, JavaScript bindings and Standard/Thin Core
 - Use of deprecated functions in samples
 - Non-parity between iOS and other mobile device samples
 - AllJoyn.js
- Well estimated and resourced plan for 16.10 for the Core WG – both funded and contributed work, working with Marcello and all contributors.
 - Detailed estimations by key task this week to review with Core WG this week.
- Finalize the 16.10 plan to present to the TSC early June for feedback and any changes requested by the TSC
 - 16.10 plan
 - What can be available prior to 16.10 on key issues such as iOS platform support, and when (should there be an interim release, for example prior to 16.10 which is not a small undertaking?)

Highlight of Key Themes of 16.10 (draft)

- Official Security 2.0 Release
 - Affinegy providing Java and iOS
 - Microsoft supporting C++ Windows (Linux and OpenWRT from OSU testing)
 - Javascript (desired – asking if LG can contribute to this)
- Support for dependent services (Common Frameworks, HAE, Gateway)
 - Identify the JIRA issues to be supported, such as 1811. Add labels in JIRA to assist in prioritization
- Parity across OS and language bindings
 - OpenWRT, Linux, Java, Windows, iOS
- Basic IPv6 Support
 - IPv6 over ethernet, WiFi
 - Not Thread in this time frame
 - TCL (Beechwoods has started) and SCL to support sessions between routing nodes
 - Doing design work now, then special core working group meeting on IPv6. How does it work behaviorally, etc. (Josh leading)

May Funded Core Resource Plan

- We've reached the full staffing for May with 968 planned hours (vs. 960)
 - Note on a cumulative basis we are under budget so this is catching up a bit for May
 - Full loading will continue through the rest of 2016 and where possible we will increase to support priorities below cumulative budget.
- Except for Art as manager, all staff working on this project are dedicated on AllJoyn.
 - Some of this team, such as Paul, are also supporting non-funded contributed AllJoyn work in AllJoyn XMPP connector and Gateway Agent

	<u>Hours</u>
Art Lancaster	16
Josh Spain	120
Paul Sigurdson	40
Andrey Krokhin	152
Krystian Zlomek	144
Jorge Martinez Hernandez	60
George Tang	60
Karol Matuszkiewicz	96
Kishore Kolli	160
Jes Golka	120
Developer Total	848
QA/Test Total	120
Totals	968



Thank You

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