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Technical Steering Meeting

June 13, 2016



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Agenda

1. Approve minutes from previous meeting
2. AllJoyn Meetup: Nashville Inaugural Meetup
3. MQTT connector Project Proposal
4. May/June update for Core Development team



AllJoyn Meetup: Nashville Inaugural Meetup

Ian Lee - AllJoyn Ambassador, AllJoyn
Nashville

AllJoyn Nashville's Inaugural Meetup

- June 7, 2016
 - Nashville, Tennessee USA
 - Joint meetup with NashMicro
 - Presentation
 - Demos tell the story best
 - Quick introduction to Allseen Alliance organization, membership, and certification
 - Thanks!
 - Allseen Alliance for taco Tuesday!
 - LIFX for bulbs & discounts
 - Emma for meeting space
 - No Starch Press & JetBrains for books & software license.
 - Seeking more sponsors
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MQTT Connector Project Proposal

Jun Zhang, Midea Group

AllJoyn MQTT Connector Project Proposal

- Background:

- MQTT has been used in many existing IoT infrastructures to connect various types of IoT devices and services.
- Local proximal communication is where AllJoyn started. AllJoyn is expanding remote networking through AllJoyn Gateway Agent and standard connector plug-in.
- It is beneficial to extend the remote access to existing MQTT services from AllJoyn devices.

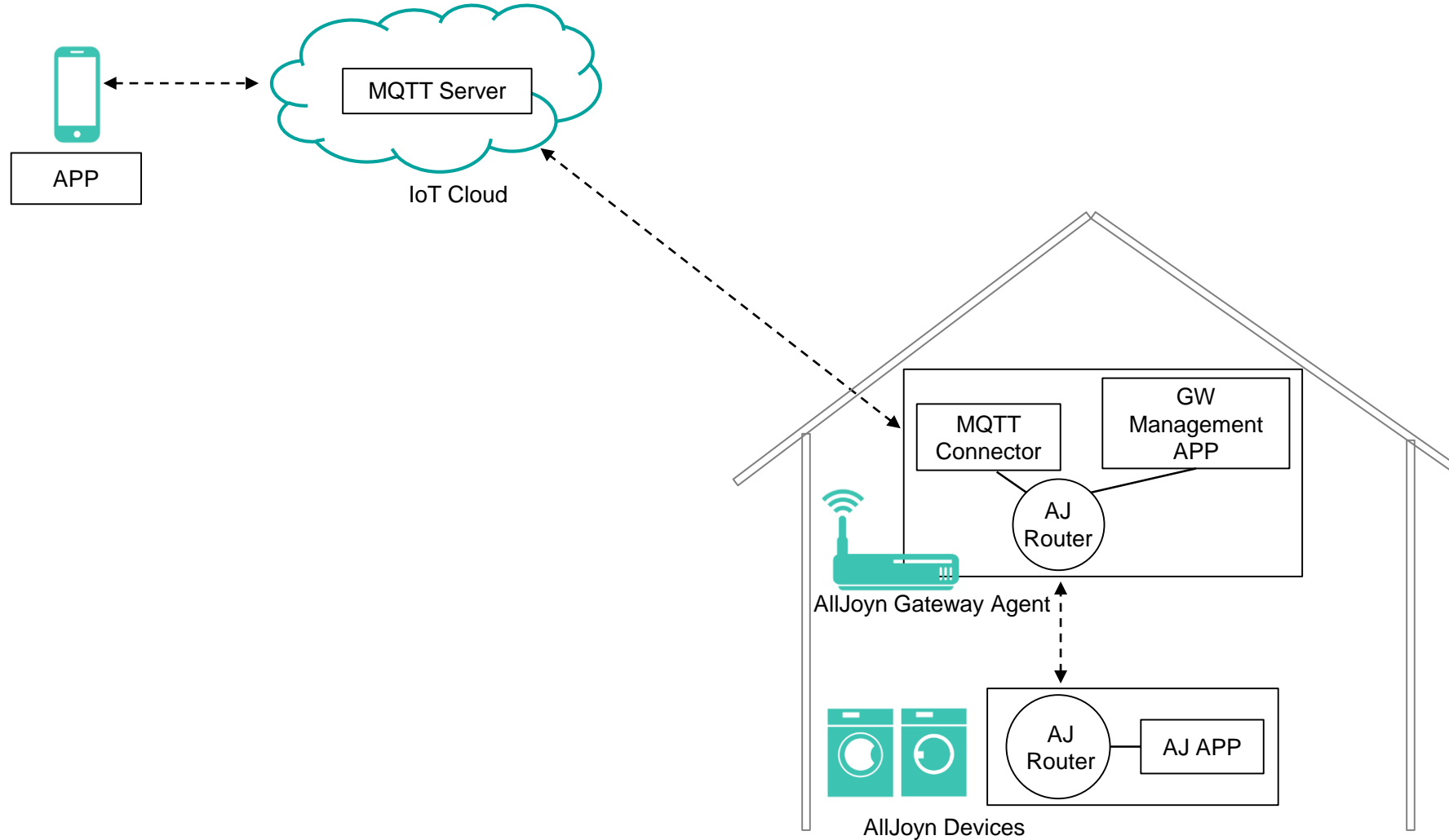
- Objectives:

- Provide an additional connector plug-in for AllJoyn Gateway Agent to enable connections with AllJoyn devices and cloud service via MQTT.
- Support the AllJoyn Gateway Agent APIs and its managed AllJoyn service profiles
- AllJoyn Gateway Agent provides MQTT connector plug-in management (install/update/remove).

AllJoyn MQTT Connector Interfaces

- Standard AllJoyn Bus connection to Gateway Agent routing node via its managed AllJoyn interface.
- Standard MQTT client interface to the external server
- Connector wraps local AllJoyn messages in MQTT to relay via MQTT server to remote services.

Example of AllJoyn MQTT Connector



Project Information

- Working Group: Gateway Working Group
- Staff – from Midea Group
 - Project Maintainer: Jun Zhang
 - Committers: Jun Zhang, Fuxin Liu, Jun Yang
- Dependencies: Gateway Agent 14.12 (and 15.09 when available), AllJoyn Core 14.12 and newer
- Supported platforms: OpenWRT, Ubuntu Linux 14.04, Raspberry Pi 2
- GIT repository name: “ajmqtt”, Mail list: share Gateway Working Group mail list.
- Development Plan
 - First commit will be two months after the approval of the project. First release is planed to be in August 2016.
- We ask support from the TSC for approval of this project.

External Library Dependencies

Dependency	Description	License	URL
Mosquitto	MQTT broker, Client Library	EPL/EDL License	http://mosquitto.org/



Affinegy Core Funded Project Team

May 2016 Report and June Plan

Art Lancaster, Affinegy

Affinegy Core Project May Results Report

- Completed 16.10 planning and estimating
 - Security 2.0 (bindings, samples, etc.)
 - iOS
 - IPv6
- AllJoyn.js development for 16.04 release at end of
- JIRA Worked on and Resolved
 - 18 resolved/closed
 - ASACORE – 1598, 1645, 2623, 2747, 2769, 2841, 2894, 2905, 2907, 2913, 2924, 2934, 2940, 2948, 2950, 2955, 2958, 2960
- JIRA Worked on but still open
 - 16 investigated/worked on but remain open
 - ASACORE - 1137, 1187, 1588, 1589, 1597, 1600, 1811, 2744, 2748, 2772, 2774, 2845, 2867, 2908, 2916, 2947

May Staffing Hours Report

- May actual staffing right on plan and at full budgeted loading

Actual vs. Plan	Plan	Actual	Difference
Month of May	<u>Hours</u>	<u>Hours</u>	<u>Actual - Plan</u>
Development/Mgmt			
Art Lancaster	16	8	-8
Josh Spain	120	127.5	7.5
Paul Sigurdson	40	27.5	-12.5
Andrey Krokhin	152	152	0
Krystian Zlomek	144	144	0
Jorge Martinez Hernandez	60	97	37
George Tang	60	106.5	46.5
Karol Matuszkiewicz	96	103	7
Kishore Kolli	160	152	-8
QA			
Jes Golka	120	58	-62
Total	968	975.5	7.5

June Plan

- iOS 16.04a
 - Ramp up development with release goal for end of July
- Complete HAE and Base Services issues
- 16.10 IPv6 support
 - Resolve issues with UDP stability so that TCP IPv6 implementation is not needed
 - Probe AllJoyn in IPv6 environments and begin to address gaps
- Resolve Java bindings imparity
 - Deprecated functions, samples, etc.
- Security 2.0 Java and iOS – not currently in the June Affinegy team loading as Microsoft completes their Security 2.0 work for 16.10 release.
- AllJoyn.js 16.04 testing and release by EOM
 - Includes Security 2.0 developer preview
- AJATS review
 - Review AJATS system and report recommendations moving forward



June Funded Core Resource Plan

- June planned loading at 109% of average monthly full budgeted load
 - June is a 5 full work week month – thus full average budgeted load is 1200 hours
 - We're able to catch up on earlier months where we were below budget thanks to full time availability of Jorge and George during the Summer months

	<u>Hours</u>
Art Lancaster	20
Josh Spain	110
Paul Sigurdson	50
Andrey Krokhn	192
Krystian Zlomek	120
Jorge Martinez Hernandez	200
George Tang	200
Karol Matuszkiewicz	120
Kishore Kolli	200
Jes Golka	100
Developer Total	1212
QA/Test Total	100
Totals	1312



Thank you

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