ALLSEEN ALLIANCE

Technical Steering Meeting

June 6, 2016

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Agenda

1. Approve minutes from previous meeting

2. MQTT connector Project Proposal

3. May Update from Base Services team

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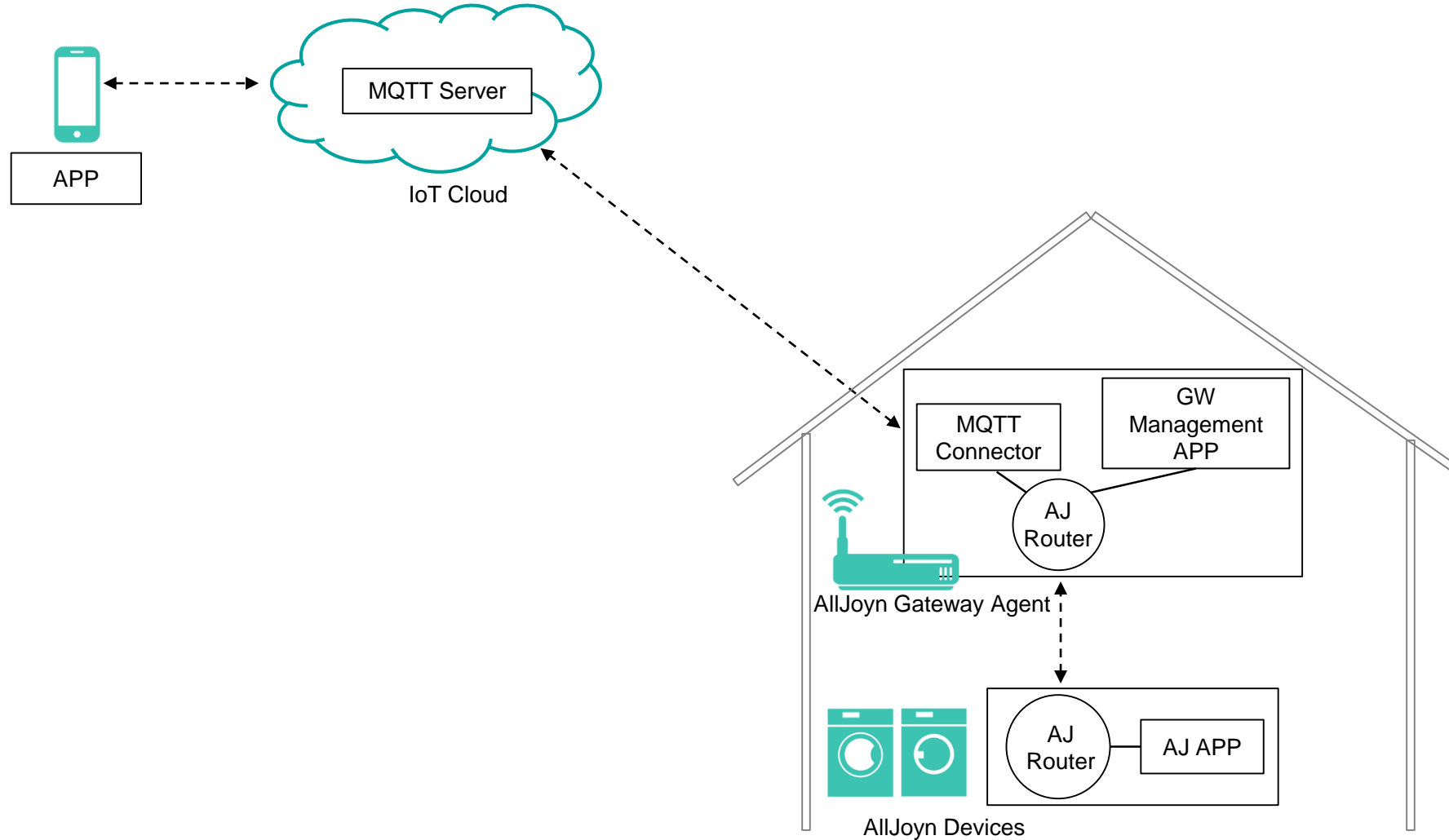
- Objectives:
  - Provide an additional connector plug-in for AllJoyn Gateway Agent to enable connections with AllJoyn devices and cloud service via MQTT.
  - Support the AllJoyn Gateway Agent APIs and its managed AllJoyn service profiles
  - AllJoyn Gateway Agent provides MQTT connector plug-in management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

Base Services 16.04

- May Progress Report and June Plan

Resourcing

- Aaron Vernon (Project Manager) **~15%**

- Daniel Stroud (Software Architect) **~15%**

- Jarrod Moldrich (Lead Software Engineer) **100%**

- Nathaniel Garrett (Software Engineer) **0%** (on paternity leave for 10 weeks)
  - James Lee (Software Engineer) from Higgns filling the gap at **80%**

- Jayden Ivanovic (Software Engineer) **100%**

- Cameron Harvey (Software Engineer) **100%**

- Brian Hollister (Software Engineer) **100%**

- Ben Kersten (Software Engineer) consulting as required

- Brett Rogers (Technical QA) **100%**

May Actuals

	Total Days
Product Owner	
Aaron Vernon	3.5
	3.5
Developers	
Ben Kersten	8
Brian Hollister	21.5
Cameron Harvey	21.5
Daniel Stroud	3.5
Jarrod Moldrich	23
Jayden Ivanovic	22
	99.5
QA	
Brett Rogers	22.5
	22.5
	125.5

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 release

- We achieved our goals and are happy with the result!

- **Platform and language support** - Base Services has been built and continually tested on every supported platform to ensure that it builds and functions correctly. The samples and documentation have also both been updated in order to improve the developer experience.

- **Updating to Core 16.0** - Base Services has been updated to use the most recent 16.04 version of AllJoyn Core.

- **Updating for Security 2.0** - Security 2.0 is still developer preview however in preparation for eventual release, Base Services has been updated to include Security 2.0 support. Specifically, the onboarding sample has been updated to demonstrate claiming permissions.

- **Full Release Notes**
  - https://git.allseenalliance.org/cgit/services/base.git/plain/ReleaseNotes.txt?id=v16.04
  - https://git.allseenalliance.org/cgit/services/base_tcl.git/plain/ReleaseNotes.txt?id=v16.04

May 2016 - Jira Issues update

- **112 issues** are new

- **18 issues** are in progress

- **73 issues** have been resolved

- There are currently **79 open issues**

- Weekly Triage call replaced with weekly update email

June 2016 - Plan

- We are planning out the 16.10 release based on the priorities from the TSC face to face

- We are also spending a couple of weeks with some resources to do cleanup and refactoring

- Full 16.10 plan will be ready to present on Tuesday 21st June

Thank you

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