ALLSEEN ALLIANCE

Technical Steering Meeting

June 21, 2016

Reminder:
This call is being recorded

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Agenda

1. Approve minutes from previous meeting

2. General business
   – Next meeting July 12: June 27th meeting cancelled due to IoTivity meeting, July 4th meeting holiday in US.

3. MQTT connector Project Proposal
   – QA & vote

4. AllJoyn Ambassador applicant

5. AllJoyn Slack!

MQTT Connector Project Proposal

QA & Vote

QA & Vote

- Gateway connector to allow interoperation with MQTT
  - Supported platforms: OpenWRT, Ubuntu Linux 14.04, Raspberry Pi 2
  - First release planned for August

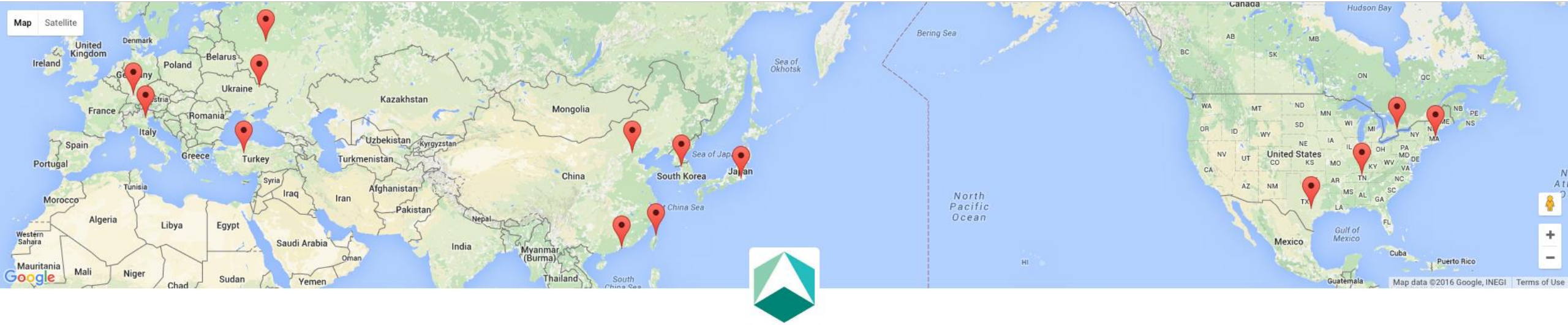- Questions/Comments on proposal before vote?

AllJoyn Ambassador Program: New Applicant

AllJoyn Ambassadors Program:

AllJoyn User Group Meetups

We are **647** members across **14** Meetups

A Meetup group to discuss the AllJoyn Open Source Project and it's ecosystem.

AllJoyn® is a collaborative open-source software framework that makes it easy for devices and apps to discover and communicate with each other. It supports many language bindings and can be easily integrated into platforms small and large. The AllJoyn framework defines a common way for devices and apps to communicate with one another ushering a new wave of interoperable devices to make the Internet of Things a reality.

Applicant 1: AllJoyn Ambassador Program

1. Name: Jimmy Engström

2. Email: jimmy@apeoholic.se

3. Member Company: Sponsored Member – Coding After Work

4. Where do you live? (There are certain countries where we're seeing a lot of interest so it helps to know where you're located): Sweden

5. Why are you applying to be an AllJoyn Ambassador?

I will talk about AllJoyn and Windows 10 at NDC Oslo, and will continue doing that whenever I have the opportunity. We will do a Home automation hackathon with out user group where AllJoyn of course will play a big part.

6. How have you participated in the AllJoyn community to-date?

Not in the AllJoyn community, but our user group Coding After Work have some focus on AllJoyn (not exclusively). www.CodingAfterWork.se
Both UG and Podcast

7. What ideas do you have for your community that you wish you had time or resources to implement?

Home Automation/IoT Hackathon
We arrange hackathons 2-3 times a year, and home automation is a big thing in Sweden

8. How will you work with others to achieve your goals?

I will make sure the hack gets planed and carried out and do my AllJoyn presentations.

9. LinkedIn profile page (if available): http://se.linkedin.com/in/apeoholic

10. Twitter handle (if available): @apeoholic

"

Interested in representing the AllSeen Alliance as an AllJoyn Ambassador?

Apply now!

info@allseenalliance.org
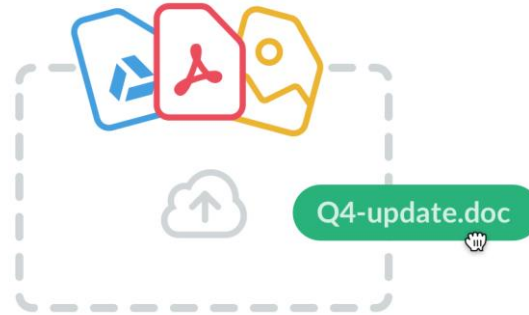
AllJoyn Slack

Fatih Aksel

Team Communication

Channels for discussions
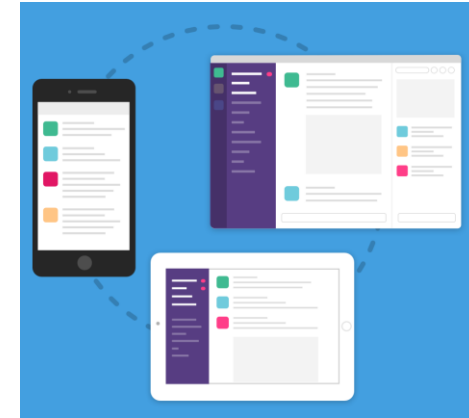
Team conversation in channels

Can also send Direct Messages

Share Files

D&D share files
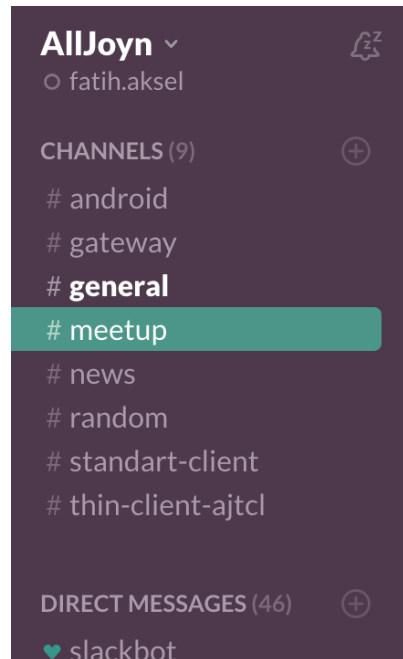
Comments

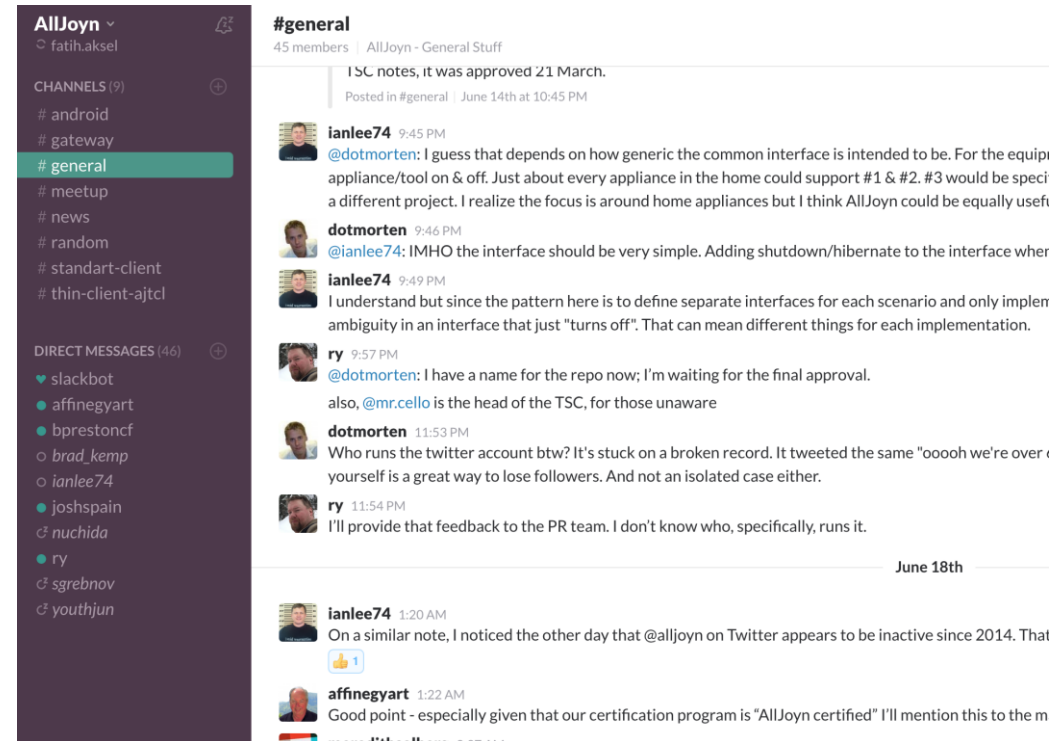Integration to GDrive, Dropbox, Box etc.

Desktop & Mobile

Everything is in sync

Notifications

http://slack.alljoyn.org/

Dedicated Channels

Real-time Conversation

Alljoyn Slack

Leverage the potential

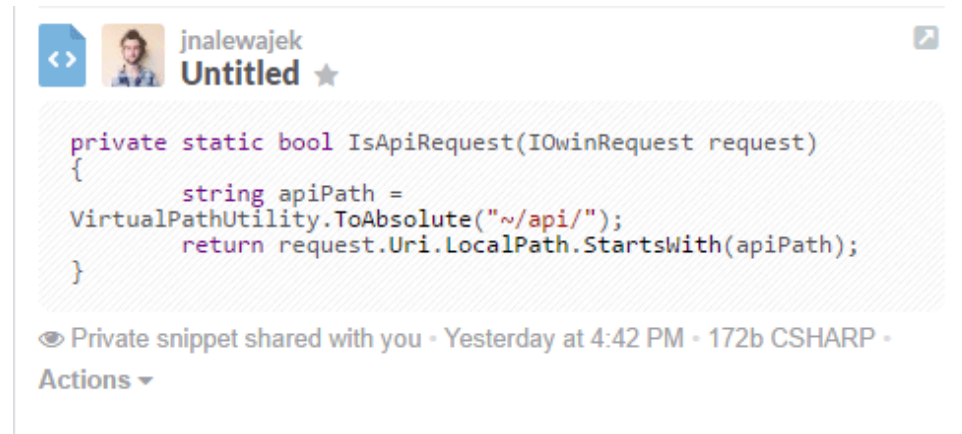## Integration

GDrive, Github, Dropbox, JIRA,

Twitter etc.

Developer Support

Code Snippets, Documents, Discussing, Keeping the community up to date.


```
private static bool IsApiRequest(IOwinRequest request)
{
        string apiPath =
VirtualPathUtility.ToAbsolute("~/api/");
        return request.Uri.LocalPath.StartsWith(apiPath);
}
```

👁 Private snippet shared with you · Yesterday at 4:42 PM · 172b CSHARP ·
Actions ▾

Thank you

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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).
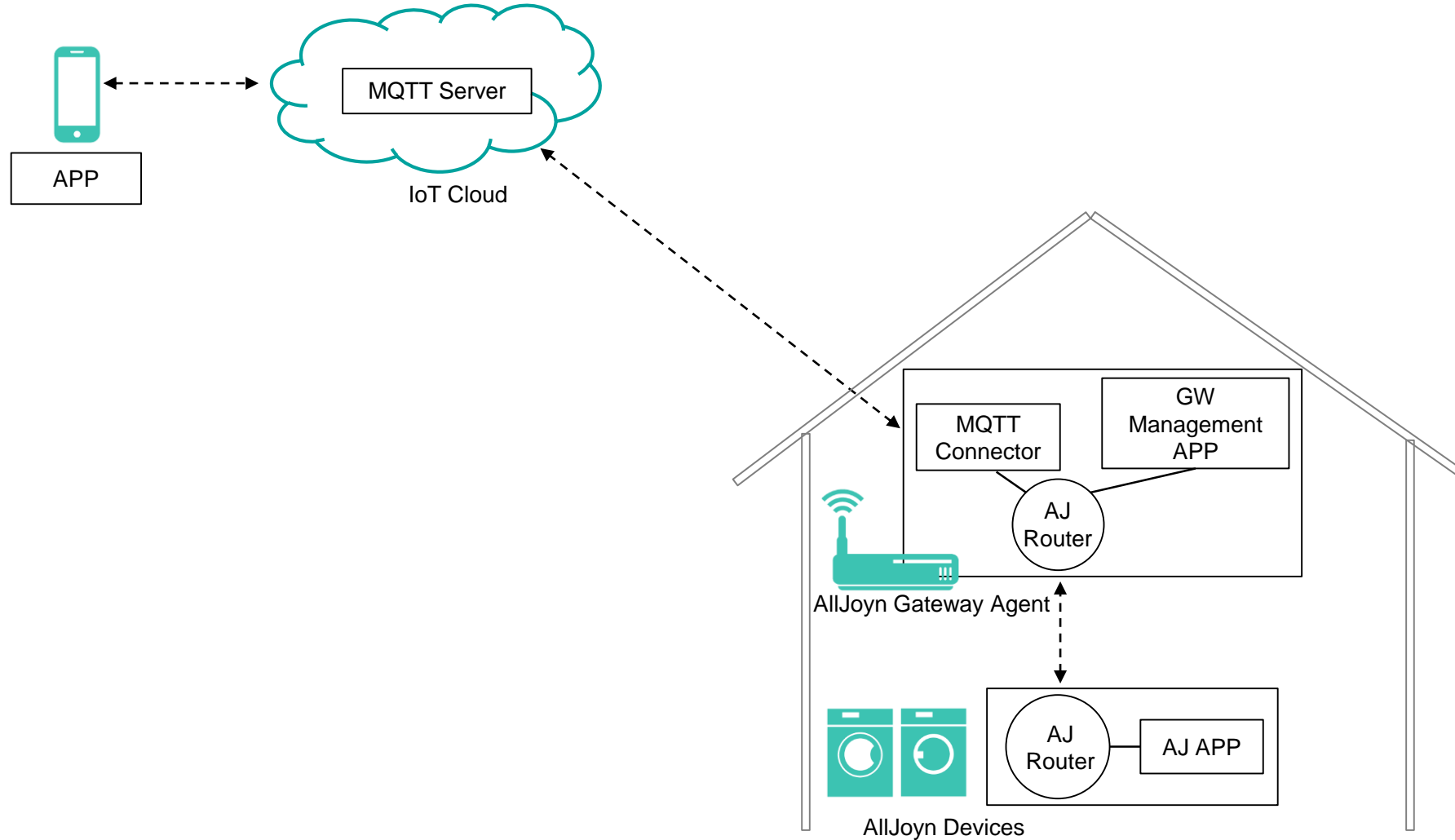
AllJoyn MQTT Connector Interfaces

- 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/