# Technical Steering Meeting

**August 11, 2015**

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**Reminder:**

**This call is being recorded**

1. Approve minutes from previous meeting
2. AllJoyn Ambassador Program
3. AllJoyn XMPP Connector Project Proposal

**AllJoyn Ambassador Program**

# AllJoyn Ambassadors Program

- Overview
  - The goal of the Ambassadors program is to sustain and grow the worldwide AllJoyn community.
  - Ambassadors are enthusiastic experts who know and use the code and who are willing to share that knowledge with others around the world, with the project providing support and resources to enable that.

- Ambassador Profile
  - Someone who is passionate about AllJoyn and recognized for their expertise and willingness to help others learn about the framework and our community. Usually hands-on practitioners. Someone who has the characteristics of being helpful, hopeful and humble. People like bloggers, influencers, evangelists who are already engaged with the project in some way. Contributing to forums, online groups, community, etc.
  - Ambassadors will selecting by the TSC from those who apply with a small number of AllJoyn Ambassadors selected to be the primary point of contact in a particular region.
    - Their role will be to:
      - Be a go-to resource for people interested in AllJoyn
      - Help local users learn more about AllJoyn
        » Organize and host local AllJoyn Users Group meetups (with resources from the AllSeen Alliance) (See the OLD User Groups HERE)
      - Represent the community publicly

Interested in representing the AllSeen Alliance as an AllJoyn Ambassador?

Apply now!

info@allseenalliance.org

# Applicant: AllJoyn Ambassador Program

**1. Name:** Subeom Lee

**2. Email:** sb1.lee@lge.com

**3. Member Company:** LG Electronics

**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): Seoul, Korea

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

I'd like to evangelize AllJoyn in Korea.

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

I'm participating in a couple of committees of AllSeen Alliance, including Marketing Committee and C&C Committee. Unfortunately, there's no so-called "community" in Korea yet.

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

First of all, I'd like to host a meeting for all Korean member companies and then have a public session for non-members in Korea. This must be the most important near-term target for my community.

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

I will collaborate with an AllJoyn representative of Qualcomm Korea, Jaeman (Phil) Park.

**9. LinkedIn profile page (if available):** https://linkedin.com/in/subeom

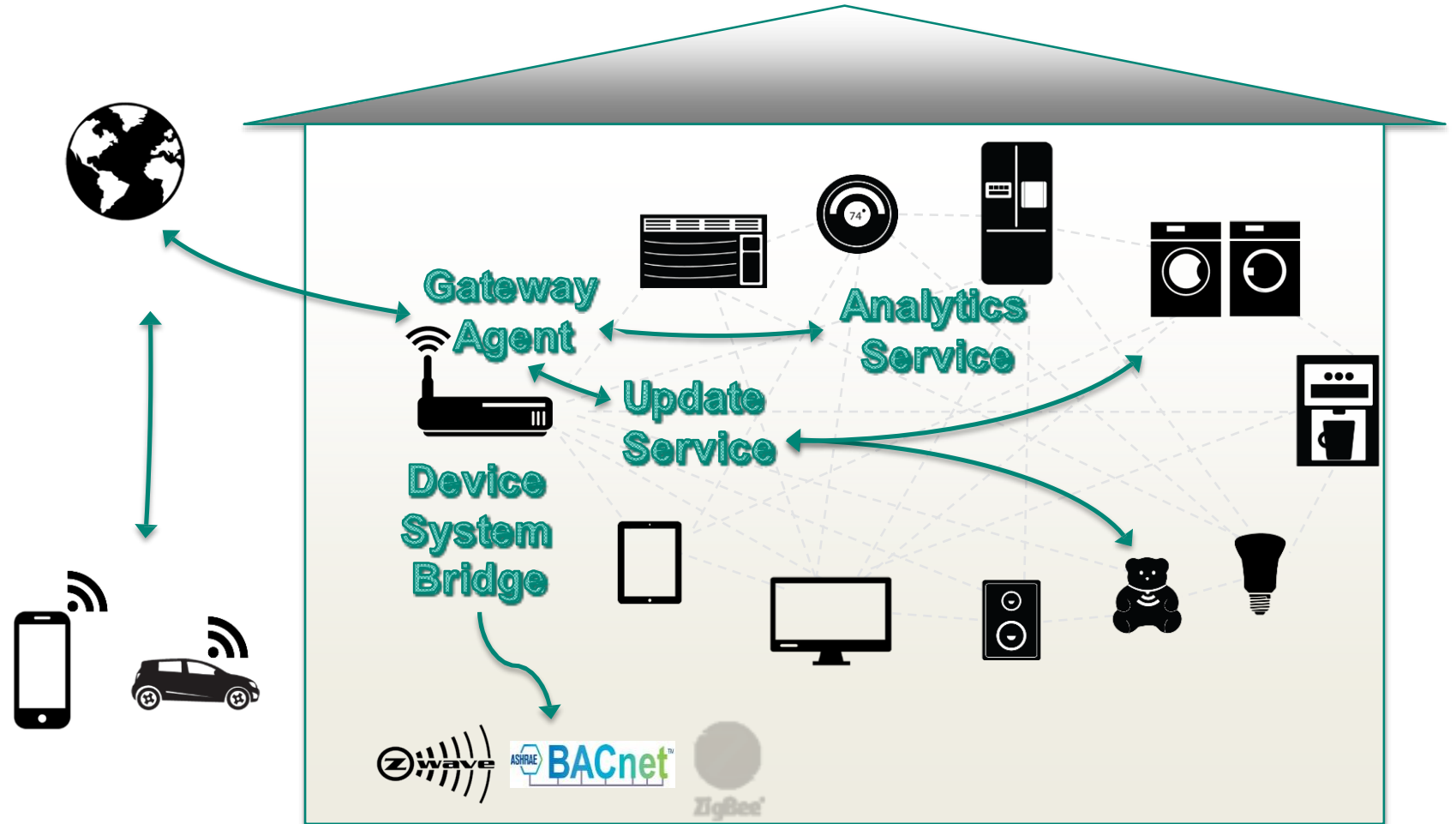**10. Twitter handle (if available):** N/A

# AllJoyn XMPP Connector Project Proposal

Art Lancaster, CTO, Affinegy
Chair Gateway Working Group
August 9, 2015

# Gateway Working Group - Overview

**AllJoyn Connections for External Networks**

- Remote access

- Update services

- Analytics services

- Other automation protocols

- More to come . . .
  - Connectors
  - Service Management

# AllJoyn XMPP Connector for Gateway Agent Project Proposal

- Objectives:
  - Provide a standard connector for the AllJoyn Gateway Agent to enable existing AllJoyn Applications to work when away from the local network, just like they were at home.
  - Support joining two local AllJoyn networks as if they were one.
  - Support the AllJoyn Gateway Agent managed Service Profiles that determines which AllJoyn applications in the local network have remote access.
  - Enable remote services to connect to specific AllJoyn applications in the local network
  - Provide a complete and useful example external connector for the AllJoyn Gateway Agent in the AllSeen Alliance open source, that can help others create other protocol connectors.

- Remote access is provided with standard XMPP – enabling a fully open connector for external services that complies with official standards.
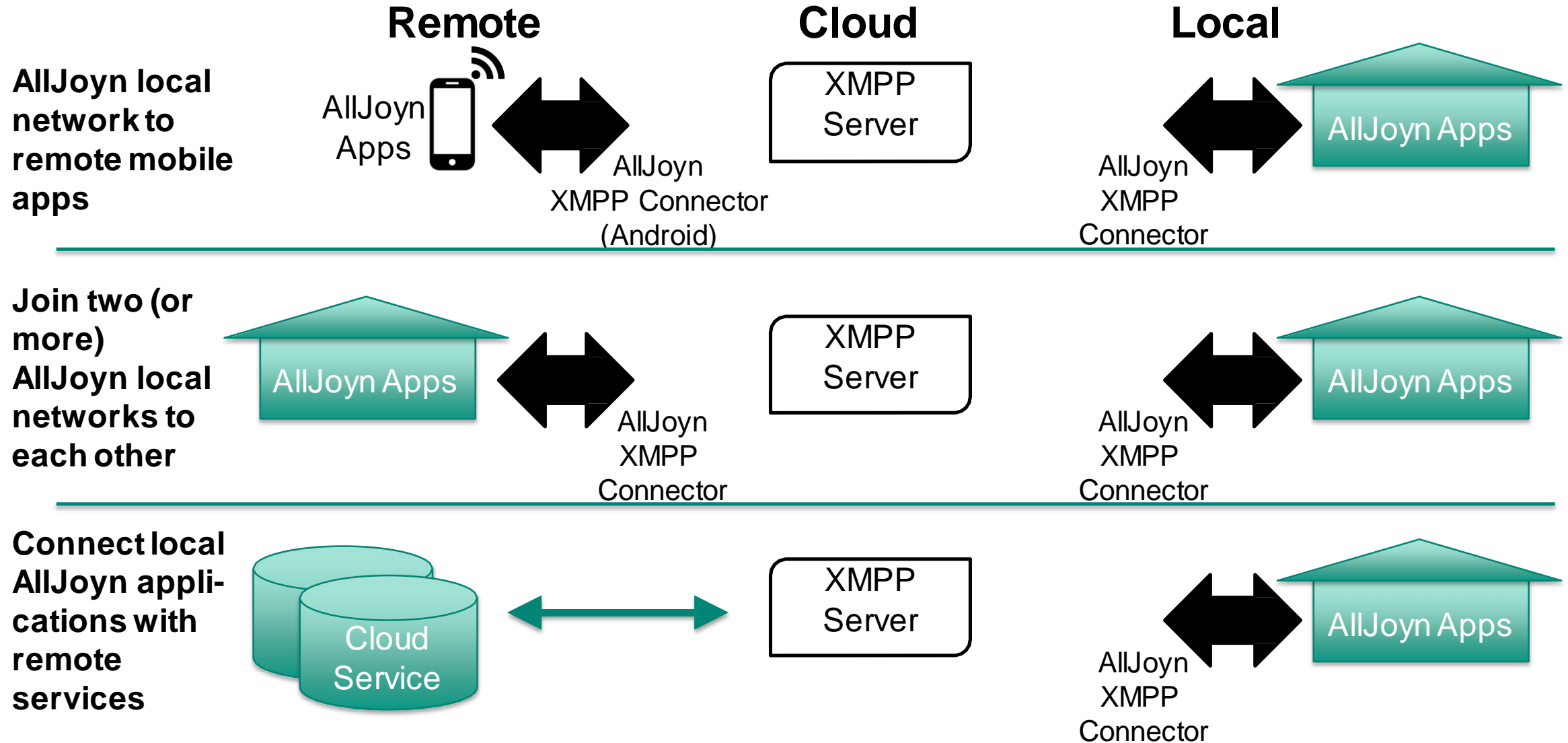
# AllJoyn XMPP Connector Interfaces

## Interface to Local AllJoyn bus

- Standard AllJoyn Bus connection to Gateway Agent routing node via its managed AllJoyn interface (for traffic and application management to the external network).

- Also can connect directly to the local AllJoyn bus if the traffic management with the Gateway Agent is not needed

## Interface to the External Network

- Standard XMPP client interface to the external server

- Connector wraps each AllJoyn message in XMPP to relay via XMPP server to remote services or another AllJoyn XMPP Connector at a remote location.

- Each connector registers with the user's XMPP server account using standard XMPP user management and security through an encrypted tunnel.

# AllJoyn XMPP Connector Application Examples

**Remote**  **Cloud**  **Local**

**AllJoyn local network to remote mobile apps**

AllJoyn Apps

XMPP Server

AllJoyn Apps

AllJoyn XMPP Connector (Android)

AllJoyn XMPP Connector

**Join two (or more) AllJoyn local networks to each other**

AllJoyn Apps

XMPP Server

AllJoyn Apps

AllJoyn XMPP Connector

AllJoyn XMPP Connector

**Connect local AllJoyn appli- cations with remote services**

Cloud Service

XMPP Server

AllJoyn Apps

AllJoyn XMPP Connector

# AllJoyn XMPP Project Proposal Information

- Working Group: Gateway Working Group

- Staff - from Affinegy
  - Project lead and Maintainer:  Josh Spain
  - Committers: Andrey Krokhin, Art Lancaster
  - Contributors: Paul Sigurdson, Jim Howard

- Dependencies:
  - Gateway Agent 14.12 (and 15.09 when available),   AllJoyn Core 14.12 and newer

- GIT repository "ajxmpp",   Mail list: share Gateway Working Group mail list.

- Status and schedule
  - Linux AJXMPP is completed and tested by Affinegy at core 14.12, ready to commit to AllSeen Open Source.  Will release with 15.09 support at the same time as Gateway Agent 15.09 (Q4)
  - Plan to add Windows Universal version target (Q4)

- We ask support from the TSC for approval of this project.

# Affinegy Cloud Service for AllJoyn Developers

- Affinegy's CHARIOT XMPP cloud service will be provided for development and non-commercial use at no cost.
  - Is configured and ready for use to support the AllJoyn XMPP Connector and the AllJoyn Gateway Agent

- Includes Affinegy's AllJoyn XMPP Connector for Android which provides
  - A remote access connector with any current AllJoyn Android app running in the same Android device
  - Developer tools for working with connected products using the embedded AllJoyn XMPP connector.

- Public beta available in September.   See http://chariot.global for more information


Thank you!  Art Lancaster,  alancaster@affinegy.com

# Thank You

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