



**ALLSEEN  
ALLIANCE**

# **Gateway Working Group Planning Call**

June 8, 2015

**Art Lancaster**

CTO, Affinegy

Chair, Gateway Working Group



# Topics

1. Gateway Working Group overview and quick status exchange by project
2. House keeping requests regarding Alliance Wiki, Mailing Lists, Web docs, JIRA and Certification
3. Roadmap planning:
  - 15.08, Security 2.0 and 2.1 – big impacts coming with possibly encrypted headers
  - Shared needs, overlap and opportunities for cross project leverage
4. Gateway Working group face to face meeting planning sometime this Summer

# Gateway Working Group

- Mission: Provide standard and secure interfaces between AllJoyn devices in a proximal network and other IOT protocols, external networks, remote access and cloud services
- Current Projects
  - Gateway Agent Project:  
*A standard, secure application to securely connect AllJoyn applications with external networks and services.*
  - Analytics Connector Project:  
*Provides a common API for capturing events, state, and other information, to be collected and transmitted outside the AllJoyn proximal network*
  - Device System Bridge Project:  
*Provides a bridge to connect external non-AllJoyn devices to the AllJoyn bus in a proximal network (samples available for Z-wave and BACnet)*
  - Update Service Project:  
*Provides a standard and secure interface for remotely updating AllJoyn applications (i.e. thin clients) via another connected AllJoyn node.*

# Gateway Agent Status And Future Plans

- Fully released with AllJoyn Core 14.12 and now part of the C.B.I.
  - Gateway agent application
  - Sample connector application (for AllJoyn to Twitter)
  - Control application (Android) for managing service profiles of gateway agent
- Plans for the coming Quarter
  - XMPP AllJoyn Connector Plug-in
    - in beta from Affinegy today, contributing to AllSeen GIT during June as an AllJoyn to XMPP Connector project.
    - Affinegy offering free developer turn-key cloud server access for Gateway Agent and the AllJoyn XMPP connector and its Mobile app connector.
  - For AllJoyn 15.08 Core Release
    - Gateway Agent Package Manager (to install, update and remove connectors)
    - Support for Security Manager 2.0 of AllJoyn Core

# House Keeping

- Please keep your project's Wiki pages updated regularly (I see DSB just created June 5<sup>th</sup> – very nice!)
- Mailing lists
  - Currently Gateway Working Group and Telemetry Analytics lists
  - TSC's concept is one mailing list per working group to help with cross project interaction. DSB and Update need to address this
  - Use for notices about your project, discussions and questions support
- Weekly TSC Calls – if anything to raise to the TSC, let me know and you can be added to the agenda. As you know all calls are open.
- JIRA – please use the AllSeen JIRA for your release testing, and next release planning
- Interface Review Board and Support for Certification and Compliance

# Roadmap Planning for Gateway W.G.

- Planning for releases supporting 15.08
  - Security 2.0 opportunities and plans to support?
  - How to coordinate common interfaces for the Gateway Agent connector capabilities for Telemetry and Analytics and the Update Projects
  - Any needs in DSB for bidirectionality leverages Gateway Agent
- Security 2.1 major challenges if encrypted headers – discuss
  - Lose ability to manage access based on interface level
  - Similarly negative impacts on planning for embracing pub-sub, which can be very beneficial to external network interfaces
  - Should we oppose encrypted headers in the core?
- Planning for possible enterprise and industrial applications spanning multiple proximal networks?
- Data driven and pub/sub – any important planning needs this year?

# Gateway W.G. Summer F2F Meeting?

- Is there interest?
- Plan for a one day session to work on common planning needs and roadmaps through 16.04
- Ideas for additional needed projects to support AllSeen vision and adoption
- Report to TSC results
- Set the stage for additional work session or breakout and the October members summit
- Discuss timing (perhaps 2<sup>nd</sup> week July?) and Location?



# Thank you

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