



Gateway Working Group Update

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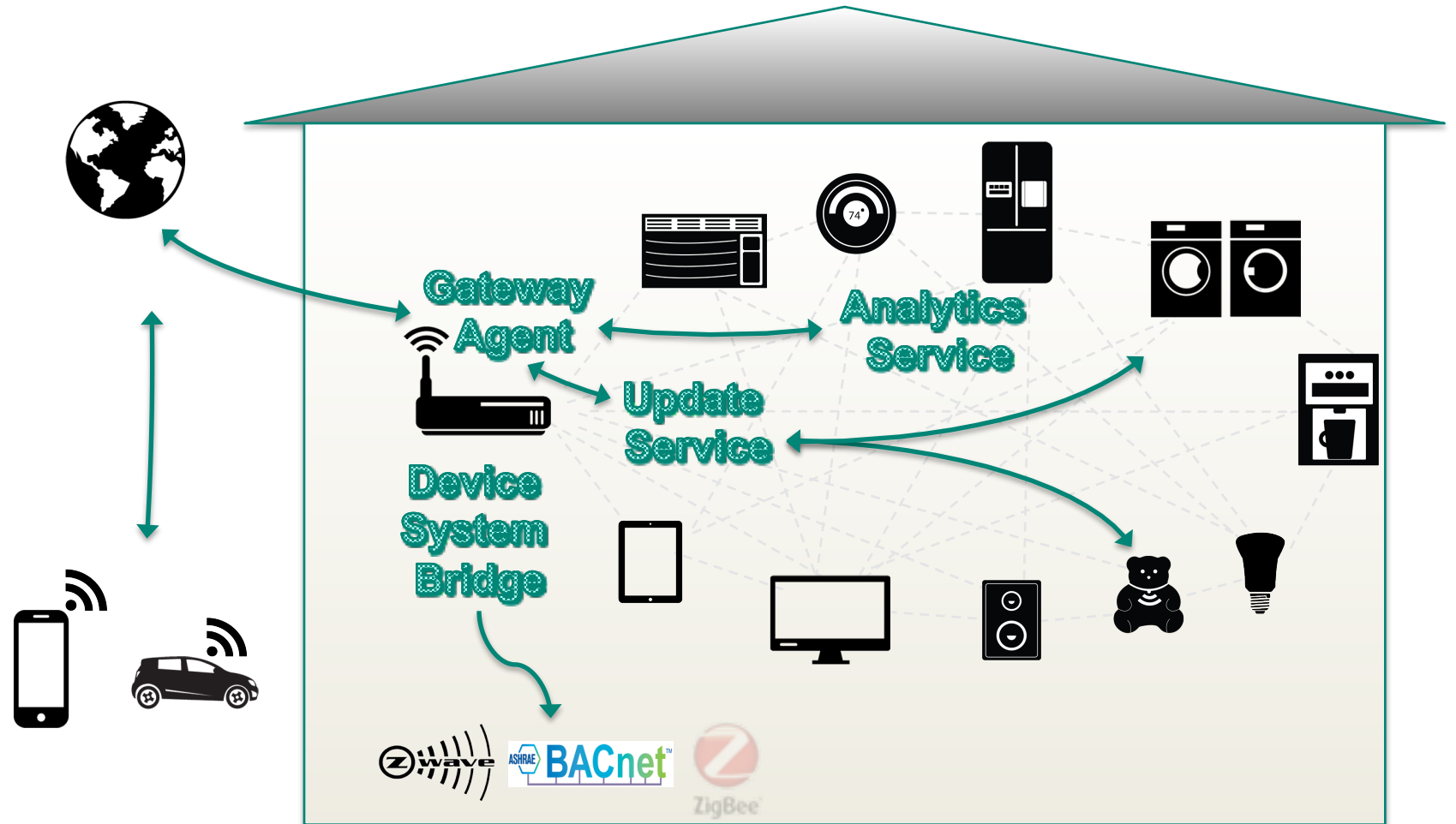
Topics

- Gateway Working Group – 4 projects overview, status and common themes
- Gateway Agent project update – 14.12 release, plans for 15.08
 - AllJoyn XMPP Project Proposal – separating from Gateway Agent project
- Roadmap process for Gateway Working Group

Gateway Working Group - Overview

AllJoyn Connections for External Networks

- Remote access
- Update services
- Analytics services
- Other automation protocols
- More to come . . .
 - Connectors
 - Service Management



Gateway Working Group Projects Status

Project	Description	Contributer	Status
Gateway Agent	A manageable AllJoyn routing node for connections with external network devices and services	Affinegy, Qualcomm	Released for 14.12
Device System Bridge	Bring existing devices to AllJoyn as virtual devices on the AllJoyn network	Microsoft	Released for 14.12 supporting Windows
Analytics Connector	A common API for capturing events, state, etc., to be collected and transmitted outside the AllJoyn proximal network	Teliant	Code contributed, IRB proposed changes which are underway for release
Update Service	Provides a standard AllJoyn interface for updating AllJoyn application software	Red Bend/Harmon	Was on hold during acquisition by Harmon, Restarted with API update to support IRB. Affinegy assisting.

Gateway Agent Project – 14.12 Release Summary

- Released at 14.12 on April 19th. Review period for Base Implementation ends on July 20th.
- Release for 14.12 includes
 - Gateway management application – configures the AllJoyn router configuration with managed AllJoyn bus for external network connections
 - Control App (Android sample) – manages the API for the config files and the state of connectors
 - Sample connector for AllJoyn with Twitter messaging
- Not included for 14.12 release that was defined in the High Level Design documents (would have delayed release)
 - AllJoyn XMPP Connector
 - Package Manager – to install new connectors
 - TR-069 service provider mode

Gateway Agent Project – AllJoyn XMPP Connector

- Affinegy has completed the AllJoyn XMPP Connector for the Gateway Agent that was defined in the HLD
 - Supports remote access for AllJoyn applications away from the local network, effectively an AllJoyn VPN
 - Standard AllJoyn mobile apps become remotely useable
 - Two or more AllJoyn local networks can be joined as if one network via XMPP Cloud
 - Enables remote servers to connect as an AllJoyn application with the local network
- Affinegy ready to contribute as AllSeen Alliance Open Source during July
- Affinegy proposes to make this a separate project (as other connectors should be contributed)
 - Project name: AllJoyn XMPP Connector
 - Maintainer: Josh Spain, Contributors: Art Lancaster, Jim Howard
 - Status: code is complete and fully functional. Will submit project proposal document to TSC this week
- Affinegy providing free developer access to its CHARIOT Cloud XMPP service with this contribution.

Gateway Agent Project – Other Planning

- Remote Configuration Management
 - Affinegy is defining a standard remote management and configuration service project proposal for AllJoyn
 - This will move the Service Provider mode that was defined in the Gateway Gateway HLD to be a separate project
 - This is much bigger than just Gateway Agent – proposal will include remote services management to cover
 - Configuration management (Gateway agent, Security Manager), Provisioning AllJoyn devices for remote services
 - Update management, Software module management
 - Includes Affinegy contributing its TR-069 management client as AllSeen Open Source with data models supporting the above
 - Proposal to be submitted during August

Gateway Working Group – Planning for 15.08

Project	Needs	Plans for 15.08
Gateway Agent	More connectors contributed key needs: MQTT, REST.	<ul style="list-style-type: none">• AllJoyn XMPP Connector Release• Package manager• Remote Configuration mgr (TR-069)• Support 15.08 & Security 2.0
Device System Bridge	Linux port, add ZigBee	<ul style="list-style-type: none">• Support 15.08 & Security 2.0
Analytics Connector	Complete API update and release	<ul style="list-style-type: none">• Support 15.08 & Security 2.0
Update Service	Complete release plan	<ul style="list-style-type: none">• Release 1 to include 15.08 support

Gateway Working Group – roadmap planning process

- Held first 4 projects planning call last month
- Better coordinate plans supporting standard AllJoyn services for external network connections and remote / managed services
- Follow our Gateway WG mail list and contribute to support these needs for your products and services