ALLSEEN ALLIANCE

Technical Steering Meeting

May 31, 2016

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Agenda

1. Approve minutes from previous meeting
2. General business
   - Base Services 16.04 approve release (complete vote from Email)
   - Home Device Bridge project approval
3. Core planning for iOS 16.04a and 16.10
4. OSU release testing update

General Business

General Business

- AllJoyn Base Services 16.04 release approval
  - Vote started by Email – bring to vote here to complete

- Home Device Bridge Project – Innopia
  - This proposal was sent to the TSC on May 10 by Innopia and presented to the TSC on May 16th.
  - Project summary slide included for reference
  - Motion to approve project

AllJoyn Home Device Bridge Project Proposal

- Background:
  - The current AllJoyn Device System Bridge is only supported for Windows OS thus there has been limitation for expanding ecosystem in other platforms.
  - AllJoyn Home Device Bridge Provides a standard Bridge connection to non-AllJoyn devices such as ZigBee, Z-Wave and Bluetooth to AllJoyn in Linux based platform such as Android and OpenWRT.

- Objectives:
  - Provide Home Device Bridge which can initially connect ZigBee and Z-Wave device to AllJoyn in Linux OS and Open WRT OS. The future update will support Bluetooth and Thread. Also Android OS support will be added.
  - AllJoyn Home Device Bridge creates virtual representation of devices on the AllJoyn bus for each external device.
  - Virtual representation supports the following AllJoyn services: About, Configuration and Events & Actions.
  - For Home Device Bridge, notification service is also supported.
  - From the user's perspective, any standard ZigBee, Z-Wave and Bluetooth device will be recognized as AllJoyn device.

Project Information

- Working Group: Gateway Working Group
- Staff – from Innopia Technologies, Inc.
  - Project Maintainer - Dong Seok Shin (dsshin@innopiatech.com)
  - Sang Heon Lee (shlee@innopiatech.com)
  - Cheol Hwi Kim (kimcheolhwi@innopiatech.com)
- Supported platforms: Linux kernel platforms, e.g. Android, OpenWRT
- GIT repository name: Home Device Bridge
- Supported AllJoyn Version: Starting from v15.09
- Status and schedule
  - First release is planed to be 2 months after the approval of the project.
- We ask support from the TSC for approval of this project.

AllJoyn Core Planning Update

16.04a iOS release and 16.10 Planning

Art Lancaster, Josh Spain - Affinegy

16.04a iOS Plan (Affinegy)

Features/Tasks

- About infrastructure (ASACORE-2906)

- Unified Introspection XML

- Replace deprecated functionality

- Update documentation

Plan

Total Estimate: 8 +/- 2 weeks

Test Cycle Starts: July 15

Code Freeze: July 22

Project Complete: July 29

- iOS release testing being coordinated with OSU, Carrie/Kris to determine if they have the needed infrastructure.

- Proposing to provide this a 16.04a release since no new features are added, just bringing iOS as a platform up to parity

16.10 Plan (Affinegy)

- Add Security 2.0 bindings for iOS and Android and coordinate full feature Security 2.0 release with Microsoft
  - Update test cases and work the AT4 to implement Security 2.0 C&C tests
  - Replicate C++ app samples, Security interaction, claim a device, set a set of policies

- IPv6
  - Basic support for link-local discovery (MDNS) and reachability (TCP/UDP)
  - Stretch Goals: Support for site-local discovery and site-local + global reachability

- Base Services Requests
  - ASACORE-2919, 2905

- HAE Requests
  - ASACORE-1811, 2924, 2926

- Other Requests
  - ASACORE-2772, 2748, 2744

- AllJoyn.js
  - Feature parity with Thin Core, including Security 2.0

- String cleanup (if time available)

Core Documentation

- Core documentation needs major updates
  - Examples:
    - Everything is based on Ubuntu 12.04, but testing was done on 14.04
    - Many tutorials don't work
  - Work has begun out of necessity (various members of team trying to check other areas)

- Plan is for Affinegy QA to do a full review through the core documentation and file bugs?
  - Team will tackle the triage and clean up for the 16.10 release to get to an acceptable level

16.10 Plan Schedule

- Preliminary schedule dates for Core 16.10 (combining funded and contributed resources)

Milestone	Date	Details
API Freeze	2016/08/01	
Feature Freeze	2016/09/15	(release branch creation)
Documentation Complete	2016/10/27	
QA Complete	2016/10/27	

AllJoyn.js Plan

- Core working group project and included in the contract scope of the funded project. It is also needed for Gateway Agent 16.04 (part of Base Implementation).

- 16.04 Estimates
  - Bindings: 2 weeks
  - Unit Test: 1 week
  - Documentation/Samples/OpenWrt feed: 1 week
  - Estimated Complete June 24 (this is its own release for 16.04, like with Base Services)

- 16.10
  - Additional unit tests for Security 2.0
  - Support for additional features and changes to APIs

OSU Testing Update

Kris Schuff, CASS

May, 2016

Resourcing – April/May

April	Total Hours	May	Total Hours
Kris Schuff	153.68	**Kris Schuff**	58.25
Tyler Gilbert	73.36	**Tyler Gilbert**	46.25
Jordan Crane	50.65	**Jordan Crane**	27.37
Sorawis Nilparuk	14.85	**Sorawis Nilparuk**	9.3
Total:	292.54	**Omkar Thakur**	52.0
		Total:	193.17

April - 16.04 Release Testing

Platform Independent	Regression	Platform Specific	Regression	Interoperability
SCCore	118	Linux (Ubuntu 14.04)	68	21 (Includes ThinClient)
TCCore	33	Windows 7	49	10
NameService and Transport	51	Windows 10	49	10
		OpenWRT CC	32	10
		Android (5.0)	23	10
		OSX	4	10
		iOS	3	10

Source: This is where source information goes

April - 16.04 Release Testing

- Testing timeline
  - March 14th: Platform Independent testing started
  - March 25th: Initial Platform Independent testing finished
  - March 28th: Platform Specific testing started
  - April 29th: All testing finished

- Jira
  - 31 issues logged
  - 23 issues resolved
  - 8 issues deferred

May Action Items

- Continue to resolve Jira issues as needed

- Process improvement
  - OpenWRT BB testing
  - Android Jellybean and Kitkat
  - Determine test case commonalities

- Internal documentation

- Training
  - One new student hired in May
  - Cross-training

June Plan

- Transition – Carrie Hertel as OSU team lead

- Continue testing OpenWRT and Android

- iOS Testing Preparation
  - Actual testing may occur in June or July

- Sorawis and Jordan leaving

- Tyler and Omkar increasing availability

Thank You

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