AllSeen Alliance
TSC Minutes
July 8, 2014
6:00am PDT
via WebEx

TSC Participants:
Art Lancaster (Affinegy)
Daeyoung Kim (LGE)
Dominique Chanet (Technicolor)
Greg Burns (QCE)
Jean-Francois (Jeff) Remy (Technicolor)
Josh Hershberg (QCE)
Marc Alexander (LIFX)
Mathew Martineau (QCE)
Milton Wang (Haier)
Takeshi Matsushita (Sharp) on behalf of Toru Ueda (Sharp)

Not in attendance:
Dino Natucci (Microsoft)
Hiroshi Yahata (Panasonic)
Ryan Li (TP LINK)
Tolly Smith (Silicon Image)
Toru Ueda (Sharp)

Also Participating were: Ashutosh Aggarwal (QCE), Brad Kemp (Beechwoods Software), Brett Preston (LF), Charles Salvestroni (Legrand), Chris Kavas (QCE), Ilya Dmitricheko (x), Javier Domingo Cansino (Fon), Jun Zhang (Haier), Ken Swinson (QCE), Mike Dolan (LF), Nikhil Dabhade (QCE), Paul Sangster (Symantec), Phil Nguyen (QCE), Shane Dewing (QCE), Takeshi Matsushita (Sharp), Telis Kaleas (QCE)

Brett Preston agreed to take minutes.

Antitrust Compliance Notice

Greg reminded the TSC of its antitrust compliance notice.

Greg introduced the Agenda for the meeting:
- Approve minutes from last call
- Vote on Smart Home Service Framework Working Group Proposal
- Vote on AllJoyn Audio Service Project Proposal
- AllJoyn.js Technical Review
- Security Status
- 14.06 System Test Overview

Approve minutes from the last call
Greg called for a motion to approve the minutes from the last meeting. Moved, seconded, than unanimously approved by TSC.

Smart Home Service Framework Working Group Proposal
Greg noted Smart Home Service Framework objective being to design and develop smart home service framework based on AllJoyn; that the interface between AllJoyn smart home server and AllJoyn smart home client needs to be designed and developed. Greg noted this includes appliances centralized management, centralized security, group control, and data collection & logging.

9 TSC members on the call

Motion was raised, seconded, then voted to approve the Smart Home Service Framework Working Group

Vote on Smart Home Service Framework Working Group = approved
from Joshua Hershberg to Everyone:
approve
from Milton(Haier) to Everyone:
Approve
from Art Lancaster (Affinegy) to Everyone:
Approve
from Takeshi Matsushita (SHARP) to Everyone:
approve
from Greg Burns (TSC chair) to Everyone:
Approved
from Marc Alexander to Everyone:
Approve
from Mathew Martineau to Everyone:
Approve
from Daeyoung Kim to Everyone:
approve
from Jean-Francois Remy to AllSeen Alliance (privately):
Approve
from AllSeen Alliance to Everyone:
from Jean-Francois Remy to AllSeen Alliance (privately):
Approve

Audio Service Project Proposal vote to approve
Greg noted scope as being a basic service to allow AllJoyn devices to discover and stream audio from a source device to an audio sink device, and that this proposal is solely for the purpose of moving it into to Base Services Working Group (as code is already in the AllSeen Git)

10 TSC members on the call

Motion was raised, seconded, then voted to approve the Audio Service Project Proposal

Vote on Audio Service Project Proposal = approved
from Marc Alexander to Everyone:
Approve
from Greg Burns (TSC chair) to Everyone:
Approve
from Takeshi Matsushita (SHARP) to Everyone:
approve
from Milton(Haier) to Everyone:
Approve
from Daeyoung Kim to Everyone:
Approve
from Mathew Martineau to Everyone:
Approve
from Joshua Hershberg to Everyone:
approve
from Art Lancaster (Affinegy) to Everyone:
Approve
from Jean-Francois Remy to Everyone:
approve
from Dominique to Everyone:
approve

AllJoyn.js Technical Review
Greg presented project description, being that AllJoyn.js combines the AllJoyn thin core library (AJTCL) and base services with a small-footprint ECMAScript 5.0 compliant runtime engine.

Greg presented diagram of AllJoyn.js architecture overview

Greg noted console service provides remote access to running JavaScript application, and that the plan is to evolve into a full debug interface

Greg presented sample applications, including a LED blinker, a doorbell (button push side), a doorbell (ding-dong side), and 2 different notifications

Greg noted if project is approved next week, the code contribution will follow shortly after

AllJoyn Security 2 Architecture
Greg introduced Phil to speak about AllJoyn Security 2 Architecture.

Phil noted basic goals of Security 2.0 is that is allows the end-user to define the access policies to control the access of secure interfaces and secure objects. Phil noted additional goal being that access control is administered and enforced outside of application.

Phil noted major components of Security 2.0 include Core Security, Permission Management Library, and Permission Manager Utility

Phil presented diagram with an architecture update

Phil noted building blocks as an encrypted channel with share secret generated using ECDHE key exchanges; guild is a collection of peers that interact with each other in a controlled manner; controllee's behavior toward a controller based on installed access policy signed by the controllee's root of trust and guild membership certificates assigned to the controller; and a peer in ECDHE_ECDSA encrypted channel is identified by the public key associated with the encrypted channel

Phil noted the permission enforcement axiom, where the message recipient enforces the permission rules

Phil presented diagram with typical validation flow

Question was raised around whether this is available for WAN, or if it's just LAN based functionality. It was confirmed it is available for all AllJoyn based applications, end to end.

Additional question was raised around the security auditing process, and if there were any known vulnerabilities. It was noted all messages are encrypted between the two peers, and that validation happens on both sides, and that they need to trust each other.

Question was raised around security model. It was confirmed it is still app to app.

14.06 System Test

Telis presented objectives being to characterize the system from user's perspective in a test environment with multiple devices; to characterize the end-to-end system latency performance for Notification Service under various load conditions in real environment; to characterize and benchmark the system stability under various Notifications and dismiss load conditions based on the basic and load defined topologies/configurations; and to validate the testing tools and TestBed setups

Telis also noted for Automation, provisioning tools, test apps for notification rates, logging analyzers, and traffic generators.

Telis presented test approach and methodology. Telis noted for performance testing, it verifies the system meets the end-to-end notification and dismiss performance requirements with specified system topology/configuration by successfully delivering a specified notification message rate from the producers to consumers, and dismiss message rate from consumers to products. Telis noted different variations of load rate will be used. Telis also noted stability, availability testing.

Telis presented system test exit criteria for stability and performance, system test report, test case, and defects.

Question was raised around whether virtual devices were being used. It was noted all are physical devices so far.

14.06 Status

Greg provided status update on 14.06, noting since Beta release, 7 issues have been identified, 6 are P2 priority, and 5 issues are closed. Greg added all issues can be seen at https://jira.allseenalliance.org

Greg noted tests and characterizations under way.

Greg closed noting AllJoyn v14.06 final targeted for early August, and that team is currently on track

Greg closed call