AllSeen Alliance
TSC Minutes
May 5, 2014
9:00pm PDT
via WebEx

TSC Participants:
Greg Burns (QCE)
Jean-Francois (Jeff) Remy (Technicolor)
Milton Wang (Haier)
Mathew Martineau (QCE)
Takeshi Matsushita (Sharp) representing Toru Ueda (Sharp)
Telis Kaleas (QCE)
Tolly Smith (Silicon Image)

Not in attendance:
Daeyoung Kim (LGE)
Hiroshi Yahata (Panasonic)
Joshua Hershberg (QCE)
Marc Alexander (LIFX)
Ryan Li (TP-LINK)
Toru Ueda (Sharp)

Also Participating were: Art Lancaster (Affinegy), Brett Preston (The Linux Foundation), Chris Kavas (QCE), David McBride (QCE), Erica Chang (Woozilli), Jerry Tseng, Joe Speed (The Linux Foundation), Nikhil Dabhade (QCE), Shane Harrison (IMG), Simon Chen (HTC),

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
- Gateway working group proposal
    - Vote required
- HackFest Recap
- AllJoyn 14.06 release
    - Dates, Status, Risks, and new features in AllSeen Alliance git repository
- Thin client security
    - Thin Client Release 14.06 Compatibility

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.

Gateway working group proposal

- Vote required

Greg provided recap of Gateway Working Group proposal objectives. These included 1) To provide a standard and secure, remote access method for AllJoyn devices and applications; and 2) To provide an extensible and standard means to connect AllJoyn devices to external/cloud services.

Greg noted initial contributors, to include Art Lancaster, contributor and proposed W.G. chair, along with 3 committers coming from Affinegy and Shane Dewing, serving as a contributor, along with 3 committers from Qualcomm.

Greg opened the floor to questions/comments before moving onto a vote

Matsushita-san requested clarification around the connectivity with other networks and whether it would it be dropped or still included. Greg confirmed that it is expected that within this architecture there would be bridges to other networks, including Zigbee, etc. Art confirmed it is within the range of the project to enable the possibility to plug in other proximal network technologies.

Jean-Francois made comment about API between cloud service and the gateway: Technicolor fees that it might be easier implementation and maintenance wise if we try to define a common protocol that would be used between the Gateway and the Cloud Service; something that is unified that would make it far easier to provision new cloud services on a different gateway; just need to provision a new endpoint for the protocol, instead of having to install a new module that needs to be compiled; and do the adaptation at the cloud service layer.

Greg acknowledged that there are cloud solutions out there, but ultimately, we need to be flexible as possible.

Greg called for a vote, asking TSC members to use chat window to vote

Voting results below
from Jean-Francois Remy to Everyone:
Approve
from Mathew Martineau - QCE to Everyone:
Approve
from Marc Alexander to Everyone:
Approve
from Greg Burns (TSC Chair) to Everyone:
Approve
from Tolly Smith (Silicon Image) to Everyone:
Approve
from Takeshi Matsushita (SHARP) to Everyone:
approve
from Milton(Haier) to Everyone:
Approve
from Greg Burns (TSC Chair) to Everyone:
Passed by majority

Gateway WG was approved. Art Lancaster now a WG chair.

HackFest Recap

Greg provided recap noting full house.

The early part of the HackFest was very well attended. Once we got into the hardcore coding, we had quite a few people leave… although still had a substantial representation. Hopefully, by the next time, we'll have a better process in terms of assessing who is attending and what their interests are. Seemed to have a lot of people who were just looking to learn more about the AllSeen Alliance, and were not as interested in writing code. We did have quite a few successes, with some teams able to to do some real AllJoyn applications using hardware provided.

Looking forward to getting next HackFests on the calendar

AllJoyn 14.06 release

- Dates, Status, Risks, and new features in AllSeen Alliance git repository

Greg introduced David McBride, project engineer for the 14.06 release, to provide an AllJoyn 14.06 release update

David provided key dates to remember:

Development Complete	May 23
Source Code Release to AllSeen Alliance	June 30

Currently, the highest risk item is the Next Generation Name Service, due to the extensive development and test effort required.

New Features in AllSeen Alliance git repository include: Policy DB feature has been merged, as well as the About Integration with Thin Library. Also available the Next Generation Name Service.

Thin client security

- Thin Client Release 14.06 Compatibility

Greg introduced an issue with respect to enabling the new authentication method for 14.06 based on ECC in the Thin Client. Wanted to raise to the group and provide an opportunity to comment. QCE is implementing an ECC Diffie-Hellman key exchange, with three suites of authentication: NULL (anonymous), PSK (key agreement with a pre-shared key), and ECDSA (key agreement with an asymmetric key). QCE is proposing to no longer support PIN code key exchanges, and replacing with an AllJoyn handshake protocol. One reason why they believe this is an OK thing to do at this time, is that they don't believe there are any products fielded today, based on AllJoyn Thin Client codebase, so therefore no legacy to worry about. However, can not be 100% sure though without full visibility into what everybody is doing.

The impact in terms of compatibility, if changes are imposed, is that a 14.06 Thin Client will only be able to exchange encrypted messages with a 14.06 Thin Client or a 14.06 Standard Client

Greg requested concerns be sent to him. Trying to avoid carrying a bunch of legacy code, if it is not necessary.

Matsushita-san asked for clarification around why move PIN to ECC. Greg confirmed that security wise, ECC is much stronger.

Greg closed call