AllSeen Alliance
TSC Minutes
April 29, 2014
6:00am PST
via WebEx

TSC Participants:
Greg Burns (QCE)
Jean-Francois (Jeff) Remy (Technicolor)
Joshua Hershberg (QCE)
Jun Zhang (Haier) - voting on behalf of Milton Wang
Marc Alexander (LIFX)
Mathew Martineau (QCE)
Telis Kaleas (QCE)
Tolly Smith (Silicon Image)
Toru Ueda (Sharp)

Not in attendance:
Daeyoung Kim (LGE)
Hiroshi Yahata (Panasonic)
Milton Wang (Haier)
Ryan Li (TP-LINK)

Also Participating were: Art Lancaster (Affinegy), Brad Kemp (Beechwoods Software), Brett Preston (The Linux Foundation), Chris Kavas (QCE), Dominique Chanet (Technicolor), Ilya Dmitricheko (Xively), Joe Speed (The Linux Foundation), Moboluwaji Sanu (QCE), Nikhil Dabhade (QCE), Shane Dewing (QCE), Simon Chen (HTC), Takeshi Matsushita (Sharp), Wayne Lee (QCE), Yonghua Li (BUPT)

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
- Developer Documentation
  - Proposal for documentation revamp
- Gateway working group proposal
  - Presentation by Art Lancaster
- Data-driven API Proposal discussion
  - Working group or project under core or other WG?
  - Vote on approval to proceed

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.

Developer Documentation
● Proposal for documentation revamp

Greg introduced Wayne Lee.

Wayne introduced himself as the team lead within Qualcomm that works closely with developers/customers and helps them integrate/use AllJoyn, and to bring products to market. He noted that what we are looking at is to create better documentation for developers.

In his overview, Wayne outlined that we are looking to revamp AllSeen Developer content starting in 14.06 timeframe. Wayne is looking to present awareness with the TSC, including gathering feedback/ideas. Additionally, if there are people who are interested in participating further, project could certainly use the extra hands.

Greg acknowledged this is a big task and encouraged more engagement amongst the TSC members.

Wayne noted content organization and tools as primary areas to introduce today.

Some areas where improvement is needed include that the organization of content is outdated, there needs to be more intro to content, there are far too many PDFs, and finally, system is not well set up for collaborative changes.

Wayne noted 2 primary audiences for the content: Developers and Contributors Areas of focus include keeping it simple, having web content vs. PDFs, and having a collaborative tool that is more suited for collaborative editing, while ensuring some level of quality.

From the current site, Wayne is proposing we merge the Developer Resources and Source Code tabs, and reorganize content. He envisions 5 sections, which he presented additional detail around: Learn, Download, Develop, Ask, and Contribute.

Wayne presented the 3 current ideas for Tools: Wiki (pros = easy for anyone to edit / cons = edits are not controlled, so you can lost quality & there are also style limitations), Drupal with workflow (pros = allows for edits to go through an approval process / cons = permissions can be tough to manage, but the idea would be to trust first, then revoke privileges later if needed), and Git + Drupal import

Greg noted a TSC sub-committee for technical documentation will need to be created. Further discussion to follow on the next TSC call.
Any comments/thoughts/interests to participate should be sent to the TSC mailing list.

Gateway working group proposal
● Presentation by Art Lancaster

Greg introduced Art Lancaster to present Gateway Working Group Proposal, noting we will be planning to vote on proposal on the next call.

Art Lancaster, CTO Affinegy, introduced key objectives of proposed working group being to provide a standard and secure, remote access method for AllJoyn devices and applications, as well as to provide an extensive and standard means to connect AllJoyn devices to external/cloud services

Art noted initial contributors as Art Lancaster (Affinegy) along with 3 committers from Affinegy, in addition to Shane Dewing (Qualcomm), along with 3 committers from Qualcomm.

Art presented overall architecture of use cases involved and core software modules, starting from perspective of Proximal Network with multiple AllJoyn devices, subject of this Working Group is the software modules that go in the Gateway Agent, a Control App (could be in a mobile device). Within the Gateway agent, there is a Gateway Management App, as well as a Remote Connect App. Goal is to be able to have the ability to provide these cloud services that are able to interact with the AllJoyn devices.

Question was raised around MQTT and how it fits into this architecture.
Art clarified as MQTT being one of the types of remote connect app protocols that can be used.

Art sees the opportunity to have each service have it's own method of providing a long lived connection and it's own profile, which is brokered and managed by the Gateway Management App.

Art went on to provide additional details around Remote Connection Profiles and Apps. Additional information also provided around the Gateway Management Application, around AllJoyn profile management and Secure interface for Remote Access (3rd party) Apps.

Control Application was presented as an AllJoyn-enabled application developed by the service provider or an affiliated entity, or the gateway provider. This Working Group will provide a Mobile SDK and Sample Control Application.

Initial contributions upon formation of working group include Qualcomm Connect Experiences (high level design document that details a proposed architecture and design for the Gateway Agent) and Affinegy (Embedded C-library SDK for its Gateway management client with secure remote cloud management and NAT traversal technology, as well as Hosted cloud server developer access supporting this reference example implementation)

Project plan proposed includes use cases and initial contributions and enhancements to core, as well as items aligned with an Alliance release in October 2014.

Art acknowledged Shane Dewing/QCE for their contributions to date.

Greg reminded all that we would be voting on proposal next week, and opened the floor for questions and comments.

Dominique (Technicolor) asked for clarification in that what is being proposed here is a gateway that allows you to connect 3rd party cloud services to your proximal AllSeen network, and not something that allows you to take your mobile phone, go outside your house and still be able to use your AllSeen enabled applications to interact with your proximal networks at home.

Art confirmed the above is correct and also provided additional clarification that so often a Gateway is thought of as being the internet access gateway CPE. While it certainly can be that, in this environment it may be any always on LAN connected device in the proximal network if it's running this Gateway software that is being proposed, then it can play this role. Also noted that there can be more than one such gateway in the proximal network; there is no requirement that there only be one.

Shane noted you could also extend the architecture and place a Gateway agent in a cloud server, and that way maintain AllJoyn end-to-end when the application leaves the proximal environment. While it is not a use case that was focused on in the design, it is potentially possible.

Greg reminded the membership that if you have specific agendas/requirements that you feel need to be included in this Gateway approach, the best way to do it is to contribute (code, contribute to the WG discussions.)

Telis questioned what type of certification/compliance is envisioned for this Gateway agent.

Art acknowledged Telis's committee noting that they are enthusiastic to do this within the framework of AllSeen Alliance's certification efforts.

Question from Ilya around whether or not we're talking about dedicated hardware for the Gateway versus running the agent on an off-the-shelf wi-fi router.
Art confirmed there is no dedicated specific hardware, that this is a software solution.

Jun Zhang asked a question around proposed name. Is gateway agent appropriate?

Greg noted he sees this as covering a specific issue of interfacing the proximal network to the cloud in a secure, expandable, extensible fashion.

Additional discussion temporarily tabled so that TSC could vote on Data-driven API proposal.

Resuming discussion >>

Jean-Francois asked about platform compatibility
Art clarified that the always-on requirement is fairly typical of cloud services

Jean-Francois asked about what device is in mind?
Art clarified that this is a software implementation that can be encompassed in products that are created by our members to use these approaches in a standard way.

Direction was given to send additional comments/questions/discussion to the TSC mailing list.

Data-driven API Proposal discussion
- Working group or project under core or other WG?
- Vote on approval to proceed

Greg summarized contributions being proposed by Technicolor, opening floor to Jeff for any final comments

Jeff noted there is no obvious working group to place this under, so it may be best to create a new working group.

Greg agreed with the idea of having a new working group, as this doesn't fit well within the existing working groups. Asked TSC if there were any objections to the creation of a new working group. No objections raised.

Greg called for a vote amongst the TSC members, asking for vote using the chat window. Greg noted that Jun Zhang would be voting on behalf of Milton Wang.

Voting results below

from Tolly Smith (Silicon Image) to Everyone:
Approve
from Jun Zhang (Haier) to Everyone:
approve (on behalf of Milton Wang)
from Mathew Martineau - QCE to Everyone:
Approve
from Jean-Francois Remy to Everyone:
Approve
from Josh Hershberg to Everyone:
approve
from Toru Ueda@sharp to Everyone:
Approve
from Marc Alexander to Everyone:
Approve
from Greg Burns (TSC Chair) to Everyone:
I approve formrmation of a Data-driven API WG
from Jun Zhang (Haier) to Everyone:
Approve (on behalf of Milton Wang)
from Greg Burns (TSC Chair) to Everyone:
Unanimous based on TSC members attending

Data-driven APT WG was approved.

Call shifted back to discussions around Gateway working group proposal.
See above.

Greg closed call reminding those attending the HackFest to stop by and say hi.