

genivi-oic call - 5 February - meeting notes

GENIVI-OIC call 5 Feb 2016

Roundtable

Daniel (Samsung Open Source Center) - scope: Tizen, OIC, automotive, cloud

Sanjeev (Samsung Open Source Center) - scope: Tizen platform development & commercialization, OIC/IoTivity open source project

GENIVI: Magnus (RVI Expert Group Lead), Gunnar (System Architecture Team Lead), Philippe (Program Manager)

Event timeline

MWC, Barcelona, 3rd week of February: there will be a lot of demos there

GENIVI Spring AMM, Paris, end of April: this is the topic of this call

Samsung Developer Conference, San Francisco, late April

Support materials: Samsung presentation attached

Magnus: RVI standardizes the vehicle interface to the cloud, some overlap between RVI and OIC

Sanjeev: OCF will have a certification program in place by mid-year

Samsung presentation

slide #5 - IoTivity Architecture: we use DTLS as security framework (note: a derivation of SSL), all transport layers are not available yet (e.g. cloud)

slide #9 - OIC value proposition for GENIVI: OIC is putting an alignment plan in place with UPnP forum, OIC industrial and healthcare profiles are currently in progress, OIC approach is through compliance giving a lot of freedom for vendors.

slide #10:

device control from gateway

- remote home monitoring from vehicle (i.e. displaying a camera stream on the dashboard) would be very nice (but difficult technically)

- fallback demo would be to control home devices from the vehicle

remote monitoring and control of vehicle

user device identity & association management

- this refer to the area of wearable devices that can provide the user identity

slide #11: services examples

dashboard services

- example: show the car data on the smart phone

Gunnar: this is quite a wide scope targeted by Samsung, it is good to know that OIC produces both specs and code together, it is a factor of success

Gunnar: which devices will be certified first ?

Sanjeev: certification alignment depends on device categories, smart home specs certification is the one completed at the moment.

Gunnar: how does the interaction with W3C work ?

Sanjeev: the scope for this would be rather a Wifi + Internet network, we are considering other networks in OIC like Zigbee and BT

Sanjeev: CoAP will be used (@Sanjeev: please confirm) (COAP = Constrained Application Protocol (CoAP), <https://www.iotivity.org/documentation/linux/programmers-guide>)

Magnus: can you send an example of OIC resource model ?

Sanjeev: urls are available for download to anyone (<http://openinterconnect.org/developer-resources/specs/>)

TODO Magnus - look at OIC resource model

Sanjeev: this a question for RVI - how to manage routing through the cloud ? does it depend on some kind of external DNS related to vehicle position.

Magnus: RVI approach is peer-to-peer

Magnus presents then the high level use cases for RVI project (<https://at.projects.genivi.org/wiki/download/attachments/8060943/EG-RVI%20Charter.pdf?version=2&modificationDate=1448484080000&api=v2>)

Demo for GENIVI Spring AMM

what could be the "bill-of-materials" for a demo ?

GENIVI GDP, RVI components + V2Xboard (from JLR), OIC software, OIC/home gateway, OIC devices

Magnus: we had a demo on a connected (JLR) car and home at CES on the Intel booth

Philippe: Samsung showed a BMW i3 connected to home devices at CES on the Samsung booth, what was the connectivity technology used for it ?

Sanjeev: was not OIC.

Daniel: Samsung sends an NDA to JLR/Matt, got not feedback from JLR yet

Philippe/Gunnar: in our opinion, we do not need a NDA for working on a joint demo together
Philippe: will check with Steve Crumb

Next step

new call on Fri 12 February 7am CET

agenda

- use cases for a demo at GENIVI Spring AMM (short term) & GENIVI Fall AMM (Silicon Valley, 18-21 October)
- mapping of RVI and OIC resource models
- workplan draft
- commitment of parties for executing the (short term) workplan for a demo in Paris