



**ALLSEEN
ALLIANCE**

Core Working Group

January 28, 2016

The contents of this document, and the interfaces described, and all the information herein, are the result of collaborative discussions by the Core Working Group. This summary documents the final consensus of the team.



Reminder:
**This call is being
recorded**

Antitrust Compliance Notice

- AllSeen Alliance meetings involve participation by industry competitors, and it is the intention of AllSeen Alliance to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of and not participate in any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.
- Examples of types of actions that are prohibited at AllSeen Alliance meetings and in connection with AllSeen Alliance activities are described in the AllSeen Alliance Antitrust Policy. If you have questions about these matters, please contact your company counsel, or if you are a member of AllSeen Alliance, feel free to contact Lee Gesmer or Andrew Updegrove, of the firm of Gesmer Updegrove LLP, which provides legal counsel to AllSeen Alliance.



Agenda

1. Updated C++ APIs
2. 16.04 Platforms
3. Roadmap Prioritization
4. AJATS
5. Review Action Items



C/C++ API changes

Pawel Winogrodzki

Updated C++ APIs

- Deprecated in **BusAttachment**:
 - **AddApplicationStateRule**
 - Moved into **RegisterApplicationStateListener**
 - **RemoveApplicationStateRule**
 - Moved into **UnregisterApplicationStateListener**
- Modified in **BusAttachment**:
 - **RegisterApplicationStateListener**
 - Now returns **Qstatus**
 - **UnregisterApplicationStateListener**
 - Now returns **QStatus**

New C++ APIs

- **PermissionConfigurator::SetManifestTemplateFromXml;**
- **SecurityApplicationProxy::GetManifestTemplateInXml;**
- **SecurityApplicationProxy::UpdatePolicyFromXml;**
- **Dan** Mihai to send mail to mail list and Qeo stakeholders to propose remove the Rule Object based APIs from C++ APIs

New C APIs

- Completely new wrappers for following C++ classes:
 - **ApplicationStateListener;**
 - **PermissionConfigurator;**
 - **SecurityApplicationProxy;**
- Updates to existing wrappers for C++ classes:
 - **alljoyn_busattachment:**
 - **alljoyn_busattachment_registerapplicationstatelistener;**
 - **alljoyn_busattachment_unregisterapplicationstatelistener;**
 - **alljoyn_busattachment_getpermissionconfigurator;**



Platforms

16.04 Platform Discussion

Heads up: decisions will need to be made

- Does Microsoft want to put in the work to make VS2015/Win10 official at the Alliance level?
 - Action: Dan Mihai to provide prioritized list of what exactly Microsoft would like to see supported by the ASA (release test)
 - Specifically: Win7, Win10 inbox RN + ASA SDK, Win10 ASA SDK and RN → would like these to be prioritized
 - Action: Need proposal for what is needed in the verification path
 - Arvind: Slide for both proposals in 2/4 meeting
 - Action: If MSFT believes that new test-cases are required, they will need to be contributed by MSFT
- iOS 9 / Mac OS 10.11?
 - Testing for this is covered under existing contract



Roadmap Prioritization

Roadmap Prioritization

- TCL:
 - Beef up to be able to replace SCL
 - Layer to make API more dynamic (i.e. create AJ objects on the fly)
 - Make the Library re-entrant, this would likely included ability to handle multiple messages
 - Refactor interaction of ARDP with data path
 - Make mDNS packet assembly less fragile

Roadmap Prioritization (II)

- Router
 - Use performance study to identify goals for scalability: **any updates?**
 - Modify IO architecture to make completely asynchronous
 - help reduce thread count
 - General scalability, performance improvement would be expected
 - IPv6 support
 - Optimize discovery+connect time
 - mDNS protocol compliance
 - Refactor SCL (**this would be shimming these SCL APIs on top of the TCL**)
 - Code sanity improvements – e.g. ASACORE-2235, static analysis, etc.
 - Sample code development
 - Key store redesign
 - Diagnosability improvements
 - Get router out of the data path



AJATS

Update and training

AJATS Status

- **Status unchanged**
- Android: working
- Linux: working
- Windows: All but authentication tests working
 - Switched from SSH to JNLP but the crypto tests still are failing
 - Could MSFT help figure out what is going on?
- iOS: not working – has setup to do still
 - Marcello to talk to AllSeen developers on this



Action Items

Action Items

- Proposal to outline the process for changing APIs
 - Has been handed over to Brian Rockwell
 - will craft proposal for review by Core WG and then presented to TSC
 - Expectation that this will be reviewed with WG in January.
- Arvind (MSFT) to create Wiki process page linked off of Core WG wiki
 - Remove references to java from mandatory binding list for 16.04 timeframe
 - Hope to have something by the end of Jan.
- Ry (LF): Need to have Alliance running Windows 10 when RTM'd
 - Running the unit tests on the Windows 10 cannot seem to pass
 - Only one set of tests are failing, MSFT has worked with Ry.
 - Issue appears to be the combinations of Windows 10 and the version of VM ware
- MSFT: 16.04 work items, should have a sense by the end of Jan, or early Feb
 - Sec2.0 scenarios, working on C binding for Core Sec2.0

Action Items

- Add a way in JIRA to track compatibility issues and proposals
 - Proposal is the use a label: “compatibility impact” in the Jira ticket
 - Committers should require for these sorts of change that the release notes be updated
 - **Marcello** to document this process in the Core Process wiki
- Define process to require regression/unit tests for bugs
 - **Marcello** to add description of Committers requiring unit test for bug fixes to Core Wiki
- Define process for handling “Technical Debt”
 - Example: Took a shortcut to make a release and not loosing track of this to fix the shortcut
 - Jira items to track when things are missing – e.g. feature added, but missing from Java binding
 - If shortcut is taken: could create a Jira task to track the problem



Thank You

Follow Us On      

- For more information on AllSeen Alliance, visit us at: allseenalliance.org & allseenalliance.org/news/blogs