



**ALLSEEN
ALLIANCE**

Core Working Group

February 25, 2016

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Reminder:
**This call is being
recorded**

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Move Security Manager project into Core

Dan Mihai (MSFT)

Updates

- There is a branch with the source available: `feature/ASACORE-2695`
- The new code has not been included in the scons build script.
Hope is that it will be running in about two weeks.



Security 2.0 State

Arvind Padole (MSFT)

Discussion:

16.04 Sec2.0 removes developer preview label?

- Serious concerns about removing the developer preview tag from security 2.0
- Feeling is that not enough progress has been made on making a prototype security manager that could work with apps/devices and provide a “credible” user experience.
- Don’t feel they will be done with this by 3/18
- Marcello to contact Aaron (CF WG Chair) to share the Higgs experience with Sec2.0
 - Target the 3/10 Core WG meeting
- Will also make a call in that meeting on the state of Sec2.0



“Recommended Security Level”.

Dan Mihai

ASACORE 2700

- Manufacturer of an “org.Contoso.GunSafe” device might want to recommend that interface as accessible just to “Privileged” users
- Manufacturer of an “org.Contoso.WirelessSpeaker” device might want to recommend that interface as “NonPrivileged”
- Manufacturer of an “org.Contoso.LightSwitch” device might want to recommend that interface as “Unauthenticated”
- <https://jira.allseenalliance.org/browse/ASACORE-2700>
- General consensus is to add this on the producer side
 - If the annotation is not there the default would be to treat it as privileged
 - Suggestion that it should be required – i.e. required and part of certification
 - Dan will contact Ram to ask value of requiring this ins certification



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



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



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