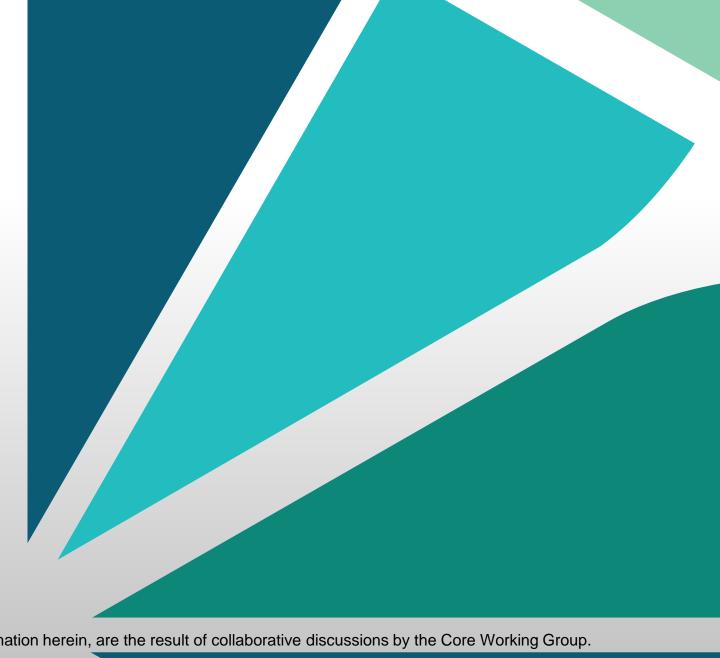


Core Working Group

February 25, 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

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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 Higgns 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



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 treated 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

• 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. <u>ASACORE-2235</u>, 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



Thank You

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