



**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**

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# **Day of week change for WG Meetings**

# Would like to change calls to Tuesday

- Gotten limited feedback, but sounds like Tuesday will work.
  - Objections to starting that next week?
- Meetings will start on Tuesdays beginning 2/9



# **Core/Test committees**

# No Core/Test committers left

- With departure of QCE team Core/Test left without committers
  - Any volunteers?
- Marcello, Kris Schuff, Way V, Kevin K?, Greg Z?



# **AllJoyn Build and Test Configurations for Windows**



# Guiding Principles

- Alliance builds and validates AllJoyn on all supported platforms
- There is process to update the Supported platform matrix as new versions are released and publicly available
- Along with this process, identifying platforms that will no longer be supported should be done simultaneously

# Build Configurations for Windows

- VS 2015 (P1) **New**
- VS 2013 (P1)
- VS 2012 (P2)

# Test Configurations for Windows

- Applicable for Jenkins unit tests, AJATS and Release Testing
  1. Windows 10 with built-in Router Service (P1) **New**
    - Validates interop with the shipping version of the Router Service
  2. Windows 10 with built-in Router Service disabled (P1)
    - Validates interop with the current Router code (**New to 16.04, in place**)
  3. Windows 10 with built-in Router Service disabled + Standalone Router App (P1) **New**
    - Validates interop with the current Router code running in standalone mode
    - Recommend this configuration for Linux as well
- Windows 7 (P2)
- Run Windows 10 testing using the VS2015 tool chain (P1)
  - **This may be tricky for Unit Test given the issues around current environment – migrating to new environment**
  - **Release testing can move forward with VS2015**
- Run Windows 7 VS2012 tool chain (P2)

# Release testing

- **Action:** Kris S. and Dan M. to sync on state of code to evaluate release testing timing
- **Action:** Dan M: to start more detailed conversation about what Security changes are planned for 16.04



# 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

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- 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

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- 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



# 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



# Thank You

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