



**ALLSEEN  
ALLIANCE**

# **Core Working Group**

**August 20, 2015**

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. 15.09
  - Features
  - Schedule
  - Platforms
2. F2F Agenda
3. Review Action Items
4. Post Mortem action items



**15.09**

# Schedule

- Sept 04
  - Regression testing complete
    - Not including Windows 10
- Sept 18
  - Windows 10 regression testing complete
    - Plan to start Sept 14
    - 1 week effort
- September 30 Release
  - SW is officially released
- Other milestones
  - Release branch – date pending
  - Ticket deferral - will hold off until closer to release date

# 15.09 Platforms – Release Testing

- AllJoyn Standard Library:
  - Full regression test
    - QCE
      - Linux Ubuntu 14.04 LTS (64 bit)
      - Android Lollipop 5.0 (ARM)
      - OpenWRT Barrier Breaker (BB) branch
    - MSFT
      - Windows 10
  - Smoke test
    - QCE
      - Android JellyBean 4.1 (ARM)
      - Android KitKat 4.4 (ARM)
      - OpenWRT Chaos Calmer (CC) branch
- AllJoyn Thin Library:
  - Full regression test
    - QCE
      - Linux Ubuntu 14.04 LTS (64 bit)

# 15.09 SDKs

Included	
SDK	Toolchain Used
alljoyn-15.09.00-src.tar.gz	N/a - source
ajtc1-15.09.00-src.tar.gz	N/a - source
Core SDK - release (android)	Android NDK r10e, Oracle Java 7
Core SDK - debug (android)	Android NDK r10e, Oracle Java 7

Not Included	
SDK	Toolchain Used
Core SDK (osx/ios)	Unless a contributor is able to perform the platform tests then these binaries will not be distributed. Note: We will keep building it and include the OSX and iOS builds in the verification paths
Windows SDK (64-bit) (VS2012)	Visual Studio 2012, Oracle Java 7 (assumes contributor performs regression testing)
Windows SDK (32-bit) (VS2012)	Visual Studio 2012, Oracle Java 7 (assumes contributor performs regression testing)
Windows SDK (64-bit) (VS2013)	Visual Studio 2013, Oracle Java 7 (assumes contributor performs regression testing)
Windows SDK (32-bit) (VS2013)	Visual Studio 2013, Oracle Java 7 (assumes contributor performs regression testing)
Windows Thin Core SDK (zip file with source and stand alone router executable)	Visual Studio 2013 ( assumes contributor verifies this works)





# **F2F Agenda**

# F2F Call for agenda items

- 2 hour time slot to educate others about what is going on in the Core WG
- Proposed agenda items
  - What we have done so far (state of the union)
    - Scalability testing
    - Process definition
  - Tech overview of Security 2.0
    - Dave Thaler can support
  - 16.04 feature set
  - Possible F2F with Core WG members as a separate meeting
    - Could be held in QCE downtown SEA office or at the hotel
    - Proposed agenda
      - Status on open source test assets
      - Need to collaborate on stress/system testing
        - » From 15.04 post mortem action list



# Action Items

# Action Items

- Proposal to outline the process for changing APIs
  - Gavin (MSFT) will craft proposal for review by Core WG and then presented to TSC
- 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
- Ry (LF) setting up a Windows 10 VM
  - Ry is has MSDN license
- Mathew (QCE) to look into crafting overall policy and process for adding/updating new platforms



# Post Mortem Action Items

# Post Mortem Action Items

- Ry (LF): Need to have Alliance running Windows 10 when RTM'd
- Check readme files as part of the release procedure
  - Core WG needs to decide who will own the specific readme files
  - Need to partition them out by platform
    - Marcello (QCE) will do an inventory to determine how to partition them out
- Set a project milestone to begin integration branch merges
- Add a way in JIRA to track compatibility issues and proposals
- Define process for handling “Technical Debt”
  - Example: Took a shortcut to make a release and not loosing track of this to fix the shortcut
- Track feature branches and add more spacing between feature branch merges
- Define process to require regression/unit tests for bugs

# Discussion

- ...



# Thank You

Follow Us On      

- For more information on AllSeen Alliance, visit us at: [allseenalliance.org](http://allseenalliance.org) & [allseenalliance.org/news/blogs](http://allseenalliance.org/news/blogs)



# Backup: Supported bindings

- Existing bindings in Core
  - C++
  - Obj-C
  - Java
  - C
  - Javascript NPAPI

# Language bindings discussion 5/7/15

- Need a formal policy to support language bindings
  - Came up at last TSC F2F
- SCL binding proposal
  - Required
    - C++ and C
  - Optional
    - Java, NPAPI, ObjC?
- TCL binding proposal
  - No proposal
  - Should we consider JavaScript?
- Need separate policy for platforms
  - May need to consider binding platform and language binding
- Next steps
  - Action: Marcello (QCE) to send proposal to the mail list



# **Notes from 14.12**

## **Post Mortem**

# 14.12 Post Mortem Improvement Items (1/3)

- Aligning date & the end game (lockdown) schedule of AllJoyn releases with release schedule of the contributing member companies if it happens to be in close proximity of AllJoyn release
  - **Action:** Arvind to send proposal to Core WG mail list
- Consistent and enforced definition/bar for code freeze
  - Need crisp definitions for "incremental bug bars" (normal, tell, ask)
  - Need approval granularity (approval on merge)
  - Need process for how to deal with large last-minute changes
    - Suggestion – only high priority issues “ask” are added one week before release
  - **Action:**
    - Marcello to send current milestone definition to Core WG mail list
    - Gavin to send proposal to Core WG mail list based on Marcello’s email
- Need processes for breaking changes
  - Regarding protocol, API syntax, behavior
  - Mitigation: Proposed changes should be advertised
  - **Action:** Chris to add the process to this to the existing process draft

# 14.12 Post Mortem Improvement Items (2/3)

- Need agenda and slides 48 hours ahead of core WG meetings
  - Best effort to send slides by COB Friday
- Need notes from core WG meetings sent more consistently
  - Note: Linux foundation unable to assist
  - **Action:** Gavin to see if someone from Microsoft can assist
- For TSC: PR coordination for releases
  - More an issue for marketing committee
  - **Action:** Chris to discuss this with Philip
- Engage system test during feature testing
  - More members conducting system test is preferred
- Testing needs to be better distributed across members
- E2E testing is needed
  - **Action:** David and Arvind will make a proposal
- More frequently merge feature branches so that deltas can be kept to a reasonable minimum
  - **Action:** Chris to add process to the Wiki process draft

## 14.12 Post Mortem Improvement Items (3/3)

- May need more frequent but shorter Core WG meetings
  - WG meeting immediately following triage meeting for 30 minutes
  - **Action:** Chris to change Core WG status meetings to 30 minutes after the Thursday triage
- Increase frequency of triage meetings earlier in the process
  - **Action:** Chris to set up biweekly triage 2 weeks prior to branch date
    - For 15.04 it will begin week of March 9
- Define JIRA severity vs. priority process
  - **Action:** David & Arvind to set up discussions to craft proposal
- To be discussed at next meeting
  - JIRA label to identify contributing organization taking ownership of the item
  - Need process for managing the platform matrix
  - Revisit code style guidelines, rules, and enforcement

# Features

- Major features (Committed for the release)
  - AJCORE-1393 Security 2.0 (MSFT, QEO, QCE)
  - AJCORE-1686 Commercialize UDP Transport for TC <-> RN connections (QCE)
- Full list of features
  - <https://jira.allseenalliance.org/issues/?filter=11411>