



**ALLSEEN  
ALLIANCE**

# **Core Working Group**

**July 23, 2015**

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This call is being  
recorded**

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# Agenda

1. 15.09
  - Features
  - Schedule
  - Platforms
2. Expanding Committers
3. Review Action Items
4. Post Mortem action items



**15.09**



# 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=11008>

# Schedule

- **July 29 Merge Sec 2.0 branch**
- **July 31 Cut release branch**
  - **Should this move out?**
    - **Action: Arvind (MSFT) to see if there is any 16.04 work that would require cutting release branch**
    - **Starting Aug 3, no commits are made to master unless it is associated with a JIRA ticket targeted for 15.09**
      - **Critical or Blocking only once regression testing begins**
- August 28 regression testing complete
  - After this date only blocking tickets and critical tickets agreed by the Core WG accepted
- September 30 Release
  - SW is officially released
- Other milestones
  - Ticket deferral
    - Will firm on a date after cutting release branch
  - Twice weekly triage July 27
    - 10am PT Monday and regular Thurs
    - **July 27 begin to review all 15.09 tickets**

# 15.09 Platforms – Release Testing 1/2

- QCE testing commitment for 15.09
  - AllJoyn Standard Library:
    - Full regression test
      - Linux Ubuntu 14.04 LTS (64 bit)
      - Android Lollipop 5.0 (ARM)
      - OpenWRT Barrier Breaker (BB) branch
    - Smoke test
      - Android JellyBean 4.1 (ARM)
      - Android KitKat 4.4 (ARM)
      - OpenWRT Chaos Calmer (CC) branch
  - AllJoyn Thin Library:
    - Full regression test
      - Linux Ubuntu 14.04 LTS (64 bit)



# 15.09 Platforms – Release Testing 2/2

- Call for contributors to provide release testing
  - AllJoyn Standard Library:
    - Full regression test
    - Smoke test
  - AllJoyn Thin Library:
    - Full regression test
- Action: Close on platforms and [SDKs](#) for 15.09
  - Arvind (MSFT) will discuss at the next Core WG call regarding MSFT testing
    - MSFT will validate on Windows 10
    - MSFT may not validate any Windows SDKs – more discussions pending

# 15.08 SDKs

SDK	Toolchain Used
alljoyn-15.04.00-src.tar.gz	N/a - source
ajtc1-15.04.00-src.tar.gz	N/a - source
Core SDK - release (android)	Android NDK r10e ( <b>note r10e is a change – no objection from Core WG</b> ), Oracle Java 7
Core SDK - debug (android)	Android NDK r10e, Oracle Java 7
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)

<b>Not included:</b> 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
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# **Expanding Committees**

# Expanding Committers

- Call for adding committers from multiple member organizations
- Dan Mihai (MSFT) requests to be committer
- Peter (QEO) to see if anyone from QEO wants to be added to the list
- Arvind (MSFT) to see if anyone from MSFT crypto team wishes to be added to the list



# Samples list

# Samples list

- Question: What are the next steps?
- MSFT states they are OK with removing any sample apps aside from the exceptions below.
  - Keep for now:
    - alljoyn\_core\samples\secure\
    - alljoyn\_c\samples\secure\
    - alljoyn\_core\samples\about\
    - alljoyn\_c\samples\about\
  - Move these:
    - Alljoyn\_core\samples\basic
    - Alljoyn\_c\samples\basic
  - into:
    - Alljoyn\_core\test\basic
    - Alljoyn\_c\test\basic
  - Gavin (MSFT) is working on new and better sample apps. When these will arrive, the WG will re-evaluate if we're ready to remove any of the exceptions mentioned above.



# 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
  - Gavin (MSFT) will discuss MSFT regression testing for 15.09
- Dan (MSFT) to submit proposal to Core WG mail list about possible deprecation of `ajn::BusAttachment::Connect(connectspec)` overload
  - Dan (MSFT) will start investigation in July
    - Dan (MSFT) to create JIRA ticket after investigation
- Arvind (MSFT) to create Wiki process page linked off of Core WG wiki
  - Remove references to java from mandatory binding list
- Action: Chris to add putting windows 10 build added
- Action: Chris to add samples discussion meeting for next week





# Post Mortem Action Items

# Post Mortem Action Items (1/2)

- C Bindings
  - Need clear ownership and responsibilities documented
  - Need better alignment on binding strategy all-up (AllSeen)
- Need to have Alliance running Windows 10 when RTM'd
- SCONS needs to support VS 2015
- Add ASADOCS for Core to the triage
- Check readme files as part of the release procedure
  - Core WG needs to decide who will own the specific readme files
- Set a project milestone to begin integration branch merges

# Post Mortem Action Items (2/2)

- Add a way in JIRA to track compatibility issues and proposals
- Need to collaborate on stress/system testing
  - Add a track on system testing at F2F in October
- More robust automated testing
  - Investigation of occasional failures
  - Better feature/code coverage
  - Integration test scenario's covering multiple features on multiple platforms
- Process for handling “Technical Debt”
- Track feature branches and add more spacing between feature branch merges
- Need more eyeballs on security for implementation and test
- Add process to require regression/unit tests for bugs

# Discussion

- ...



# Thank You

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# 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