



**ALLSEEN
ALLIANCE**

Core Working Group

June 25, 2015

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Agenda

1. 15.08

- Features
- Schedule
- Platforms

2. Supported bindings

- Moved to next week

3. Review Action Items

4. Post Mortem action items



15.08



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>
 - MSFT to scrub their features/tasks and discuss at next meeting

Schedule

- July 24 Cut release branch
 - Merge branches
 - Sec 2.0 feature branch merged
 - Thin client reorg branch
 - Any additional branches?
 - All feature testing completed
 - Only regression testing remains
- August 28 Release
 - Completed regression testing one week prior
 - All blocking tickets closed
 - Most critical tickets closed
- Other milestones
 - Ticket deferral
 - Will firm on a date at next weeks call
 - Twice weekly triage July 20
 - 10am PT Monday and regular Thurs
 - 15.08a patch release?
 - Action Arvind/Gavin (MSFT) to communicate dates for items they want added
 - Action Kristof (QEO) to determine impact to QEO if 15.08 is moved out to accommodate additional items

15.08 Platforms – Release Testing 1/2

- QCE testing commitment for 15.08
 - 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)

15.08 Platforms – Release Testing 1/2

- 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 15.08
 - Gavin (MSFT) will discuss at the next Core WG call regarding MSFT testing

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 (note r10e is a change – no objection from Core WG), 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)

Not included: 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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Supported bindings

- Deferred to the following meeting
 - Existing bindings in Core
 - C++
 - Obj-C
 - Java
 - C
 - Javascript NPAPI
 - Need to firm on mandatory and optional bindings
 - Arvind (MSFT) will send proposal to the Core WG mail list
 - Will close on the list the following status meeting



Action Items

Action Items (1/2)

- David (QCE) to lead team crafting testing proposals
 - Charters crafted for RFP committee and test policy committee and sent to mail list for review
- Marcello (QCE) to send IOS language binding proposal to WG mail list
 - Agreement is to stop supporting the language binding
 - Todd to see if Vlad wishes to take ownership of this binding
 - Vlad will fix bugs he cares about but not take ownership
 - Next step: Inform TSC
- Proposal to outline the process for changing APIs
 - Gavin (MSFT) will craft proposal for review by Core WG and then presented to TSC
 - Will review document by end of June

Action Items (2/2)

- 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
- Chris (QCE) to create JIRA tickets for updating samples Gavin (MSFT) refactor toaster sample
 - This is the main ticket tracking the sample cleanup
 - <https://jira.allseenalliance.org/browse/ASACORE-1528>
 - Subtask created: <https://jira.allseenalliance.org/browse/ASACORE-2095>
 - Obtain list of samples QEO and MSFT wish to keep
 - Identify samples needed by test and remove remaining



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

- Action: Marcello to add components to JIRA for docs



Thank You

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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