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ALLIANCE**

# **Core Working Group**

**August 27, 2015**

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recorded**

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# Agenda

## 1. 15.09

- Features
- Schedule
- Platforms

## 2. Discuss ASACORE-2350

- Authentication failures when invoking `configClient.getConfig`

## 3. F2F Agenda

## 4. Review Action Items

## 5. 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
    - Question: Is anyone aware of any 16.04 work being done on master?
  - 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)





# **Discuss** **ASACORE-2350**

Authentication failures when invoking  
`configClient.getConfig`

# ASACORE-2350 Authentication failures when invoking `configClient.getConfig`

- Core Issue
  - Old authentication callback does not work
    - `AJ_BusSetPasswordCallback`
- Resolution
  - Deprecate
  - Assign to Kevin (MSFT) to fix and marked blocking for 15.09
    - Link ticket to ASACORE-2329
  - Nara (QCE) to make separate ticket to clean up samples
- Note
  - New mechanism added in 14.06 works
    - `AJ_BusEnableSecurity`
    - `AJ_BusSetAuthListenerCallback`



# **F2F Agenda**

# F2F Call for agenda items: 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 (MSFT) can support
  - 16.04 feature set
    - List of possible features
- 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
    - Architecture discussion
      - Request for list of topics
    - 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
  - Planned for September 03
- 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
  - Will be done middle of September
- 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
  - Planned for September 03
- Chris (QCE) to add Windows 10 AJ router discussion as agenda item week of Sept 7



# 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

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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



# 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>