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ALLIANCE**

# **Core Working Group**

**October 08, 2015**

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recorded**

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# Agenda

1. 16.04 feature planning
2. Summit Agenda
3. Review Action Items
4. Post Mortem action items



## **16.04 feature planning**

# 16.04 list of features as of 9/10/15

Key	Summary	Bucket
<a href="#">ASACORE-2034</a>	Deadlock if max BusAttachment concurrency is reached	App Developer Usability
<a href="#">ASACORE-1993</a>	Drop connection to router node if bus operations timeout	App Developer Usability
<a href="#">ASACORE-1759</a>	Add support for a new callback that will inform a multi-point session joiner that the session host has accepted its join request	App Developer Usability
<a href="#">ASACORE-1556</a>	Fix the Logger so it can work with ETW on Windows	App Developer Usability
<a href="#">ASACORE-2273</a>	Alljoyn Thin Core API to get socket descriptor...	App Developer Usability
<a href="#">ASACORE-1930</a>	Distributables should have QCC_OS_GROUP_ defined	App Developer Usability
<a href="#">ASACORE-1811</a>	Returning an error name/message on calling SetProperty	App Developer Usability
<a href="#">ASACORE-1374</a>	Support Android Studio	App Developer Usability
<a href="#">ASACORE-1112</a>	BusObject does not contain a GetInterfaces API call	App Developer Usability
<a href="#">ASACORE-1166</a>	API Call to reset changeld for About Annoucements	App Developer Usability
<a href="#">ASACORE-942</a>	About feature should provide an implementation of generating a device ID for each platform	App Developer Usability
<a href="#">ASACORE-1065</a>	Add functions for runtime creation of Aj_Objects	App/Core Developer Usability
<a href="#">ASACORE-2404</a>	Add Mutex::AssertIsOwner() functionality	Core Developer Usability
<a href="#">ASACORE-2386</a>	Add a platform independent QCC_ASSERT macro	Core Developer Usability
<a href="#">ASACORE-2005</a>	Teach BusAttachment to keep track of registered AddMatch rules	Optimization
<a href="#">ASACORE-2364</a>	General support for key types other than ECC NIST P-256	Security enhancement
<a href="#">ASACORE-2363</a>	Store more data about trust anchors	Security enhancement
<a href="#">ASACORE-2055</a>	Design and implement new password-based authentication mechanism	Security enhancement
<a href="#">ASACORE-1715</a>	Private key protection support for using passphrase not applicable for ECDHE_ECDSA mechanism.	Security enhancement
<a href="#">ASACORE-1714</a>	ECDSA Certificate generation APIs should be implemented for language bindings.	Security enhancement
<a href="#">ASACORE-1430</a>	Packet header encryption	Security enhancement
<a href="#">ASACORE-2254</a>	Add support for a "const" annotation for properties	System Evolution
<a href="#">ASACORE-964</a>	Add support for extended introspection XML format	System Evolution



# Summit Agenda

Alliance Education

Core WG Technical Meeting

# Review Core WG Summit Slides

- ...





# 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 24
- 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 end of September



# 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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# 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)



# 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>