

2019-08-28-A Aries Working Group Call (US morning)

Summary:

- Release and work updates
- Continued the discussion on the architecture of an Aries core library, including the threading model.

Note: This call is Recorded. Recordings posted at the bottom of the page.

Date

28 Aug 2019 (7AM Los Angeles, 10AM New York, 3PM London, 17H Moscow)

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Attendees

- Name (organization) <email>
- [John Callahan](#) (Veridium) <jcallahan@veridiumid.com>
- [Ken Ebert](#) (Sovrin Foundation) <ken@sovrin.org>
- [Sam Curren](#) (Sovrin Foundation) <sam@sovrin.org>
- [Matt Raffel](#) (Kiva) <mattr@kiva.org>
- [Richard Esplin](#) (Evernym)
- [Daniel Bluhm](#) (Sovrin Foundation) <daniel@sovrin.org>
- [Samuel Smith](#) (ProSapien) <sam@samuelsmith.org>
- [Troy Ronda](#) (SecureKey) <troy.ronda@securekey.com>
- [Steve McCown](#) (Anonymome Labs) <smccown@anonymome.com>

Welcome / Introductions

Announcements

- Hyperledger voting is happening. Make sure you have received an invitation to hyperledger-contributors mailing list to get voting instructions.
- Community project: Aries RFCs - [process to move HIPES](#); RFCs that have been moved [concepts](#) / [features](#) / [pull requests](#).
- Aries Workshop/Connectathon December 3-5 in Provo, Utah (details to follow)

Summary of Prior Calls and Related Meetings

- Aries WG
- Indy
- Ursa
 - Question for the Indy team on testing and deploying debian packages

Release Status

- Aries-CloudAgent-Python (bc.gov) - [Release 0.3.1](#) has been tagged and is on [PyPi](#)
 - Working on next release, particularly on revocation support.
- Aries-Framework-Go (Troy)
 - First milestone: [Framework Go v0.1.0](#)
 - Best way to get involved: [daily stand-up meetings](#)
- Aries-SDK-Ruby (Jack)
 - Moved to <https://github.com/hyperledger/aries-sdk-ruby>
 - Released as a Gem (0.0.2)
 - Will use synchronous (blocking) threads due to GIL with reliance on ActiveJob in Rails (adaptors for Sidekiq, Resque, Sucker Punch, etc.) to support threading (but untested)
- Aries-Framework-DotNet (Tomislav)
 - Moved from StreetCred to Aries: <https://github.com/hyperledger/aries-framework-dotnet>

- Aries-StaticAgent-Python - [Release 0.4.0](#)
 - Move from Pysodium PyNacl
 - Improved module interface and routing.
- Aries-SDK-Python - Wrapper from JeromK and SBCA?
- Aries-SDK-Java
 - People are expressing interest in Rocket Chat, but no one has started contributing code yet. Could start by moving the Indy SDK wrapper to Aries.
- Aries-SDK-JavaScript
 - Need a reviewer for the pull request moving code from Indy-SDK to Aries.
- Indy SDK
 - August
- Ursa
 - Working on release of 0.2.0
 - ZKP / ZKLang improvements
 - Debian packages
 - Refactor internal plumbing for anoncreds 2.0, shouldn't impact external interfaces
 - Refactor multi-signature BLS in addition to aggregated signature
 - Sovrin Foundation is looking to build a Indy specific Ursa, with ZKPs. Other Aries clients would build a different Ursa.

Work Updates

- Rich Schemas and W3C Verifiable Credentials (Ken)
 - Working on context object in Node. PR for Indy-Node is almost ready for review.
 - Making progress on the new schema object.
 - In order to do the review, need new Indy HIPEs: each new object, the new flow for creating credentials, creation of presentation request and presentation, compatibility with the old credential format
- SDK 2.0 architecture / Indy-Aries split (Sergey)
 - <http://jira.hyperledger.org/browse/IS-1285>
 - https://docs.google.com/document/d/1MYMi4NkixfolJeC79WBOfX_QA3_9rG-iK3lZa86vIR0/edit#heading=h.z1u0dzf62loi POA and discussion
 - https://docs.google.com/drawings/d/1d-aCRC_Nzyyvw9nyQif9_vBGbeWhp69M4T5_8_yYtAl/edit?usp=sharing Indy SDK Migration box diagram
 - <https://docs.google.com/drawings/d/1sUffkRPlufingeeRjjiBniVt9Ek3CNih9IUqym8mUI4M/edit?usp=sharing> Aries Architecture
 - https://hackmd.io/_BhJewTISUqMGNDc4SvGnw?edit developing ideas around APIs
 - [Aries Presentations](#)
 - <https://hackmd.io/@gjPgYQjMT3azdpSAFgo5PA/HyjVdhVGr> Daniel B's proposal for separating wallet and crypto
 - <https://docs.google.com/document/d/18kHgTsHkSIW9cakbampv8rxKxNchWychHnXGyxkls/edit#> Daniel H's analysis of challenges and approaches

RFC Progress

Other Business

- Architecture of Aries core library
 - What is our fastest path to a library that framework implementors could consider using?
 - Daniel's analysis of Aries API Surfaces <https://docs.google.com/presentation/d/1ODtHCeB6x7yVGfhyJHFUKn0f070sqZXhff1C8M7jfTY/edit?ts=5d658905#slide=id.p>
 - Background in previous meetings: [July 31](#), [August 14](#)
 - Progress of Ken's POC
 - Key questions: https://docs.google.com/document/d/1w_n8EztyLbNIRa3FuuN8YXKUISYRfM5p_6ijlig6jk/edit#


Future Topics

- Next call
- Other:
 - Hubs vs Agents
 - Payments in Aries
 - wallet query language
 - IOT best practices ([Robert Mitwicki](#), [Adam Burdett](#), [Lohan Spies](#))
 - DID Resolution W3C and Sam's concerns: <https://github.com/hyperledger/aries-rfcs/issues/130>

Action items

- Schedule a deep dive into Aries / Indy architecture (Ken / Richard)

Call Recording

| File | Modified  |
|---|--|
| Multimedia File GMT20190828-140012_Community-_1920x1200.mp4 | Aug 28, 2019 by Richard Esplin |

