

# 2019-09-25-A Aries Working Group Call (US morning)

## Summary:

- Project update
- Naming of core Aries components
- Plan for Aries "wallet storage"

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

## Date

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

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## Attendees

- Name (organization) <email>
- Daniel Bluhm (Sovrin Foundation) <daniel.bluhm@sovrin.org>
- [Matt Raffel](#) (kiva) <mattr@kiva.org>
- [Ajay Jadhav](#) (AyanWorks) <ajay@ayanworks.com>
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- [Troy Ronda](#) (SecureKey) <troy.ronda@securekey.com>
- [Steve McCown](#) (Anonymo Labs) <smccown@anonymo.com>
- [Carl DiClementi](#) (Factom Inc) <carl@factom.com>
- [Kumaravel N](#) (Ford) <nkumara2@ford.com>
- [Brent Zundel](#) (Evernym) <brent.zundel@evernym.com>
- [Cam Parra](#) (Kiva) <camilop@kiva.org>

## Welcome / Introductions

## Announcements

- [Internet Identity Workshop](#)
- Hyperledger [Maintainers Summit](#): Minneapolis October 8-10
- Bootcamp Russia: [Event Location](#)
- Aries Workshop/Connectathon December 3-5 in Provo, Utah (details to follow)

## Summary of Prior Calls and Related Meetings

- DID WG
  - first meeting last week, good participation. Starting with the existing spec. Hope to be at feature freeze by next spring.
  - DID WG page: <https://www.w3.org/2019/did-wg/>
  - DID WG did spec repo (feel free to raise issues): <https://github.com/w3c/did-spec>
- Aries WG
- Indy
- Ursa
  - Question for the Indy team on testing and deploying debian packages

## Release Status

- Aries-CloudAgent-Python (bc.gov) - [Release 0.3.2](#) has been tagged and is on [PyPi](#)
  - Support for RFC 0036 and RFC 0037 Credential Exchange protocols, 0.1 version of those protocols deprecated
  - Working on next release, particularly on revocation support.
- Aries-Framework-Go (Troy)
  - First milestone: [Framework Go v0.1.0](#)

- [Weekly planning notes \(2019-09-24\)](#)
- Aries-SDK-Ruby (Jack)
  - Released as a Gem (0.0.3) due to Rails 6 issues
  - Developed docker image with Rails 6 (Ruby 2.5.1) with Indy-SDK to test Aries-SDK-Ruby via Dokku deployment
  - Needed for exploring concurrency and compatibility issues with Sidekiq, Resque, SuckerPunch, etc.
- 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 SBGA?
- Aries-SDK-Java
  - Aries-SDK subchannel / discussion aries-sdk-java
- Aries-SDK-JavaScript
  - <https://github.com/hyperledger/aries-sdk-javascript/pulls>
  - Starting to implement the Aries RFCs.
- Indy
- Ursa
  - Working on release of 0.2.0 (September / October)
    - 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 HIEs: 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/1MYMi4NkixfoJeC79WBOfX\\_QA3\\_9rG-iK3lZa86vIR0/edit#heading=h.z1u0dzf62loi](https://docs.google.com/document/d/1MYMi4NkixfoJeC79WBOfX_QA3_9rG-iK3lZa86vIR0/edit#heading=h.z1u0dzf62loi) POA and discussion
  - [https://docs.google.com/drawings/d/1d-aCRC\\_Nzyyvv9nyQif9\\_vBGbeWhp69M4T5\\_8\\_yYtAl/edit?usp=sharing](https://docs.google.com/drawings/d/1d-aCRC_Nzyyvv9nyQif9_vBGbeWhp69M4T5_8_yYtAl/edit?usp=sharing) Indy SDK Migration box diagram
  - <https://docs.google.com/drawings/d/1sUffkRPlufingeeRjjBniVt9Ek3CNih9lUqym8mUl4M/edit?usp=sharing> Aries Architecture
  - [https://hackmd.io/\\_BhJewTISUqMGNDc4SvGnw?edit](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
- Architecture of Aries Verifiable Credentials Proof Formats
  - Boundary between the claim type and the signature type
  - Where should it live? Anoncreds (ZKPs), JWTs, Link Data Signatures
    - FYI: Go Framework Verifiable Credential package: <https://github.com/hyperledger/aries-framework-go/tree/master/pkg/doc/verifiable>, with the next work item being JWT proof format: <https://github.com/hyperledger/aries-framework-go/issues/173>
  - Aries Anoncreds Framework

## RFC Progress

## Other Business

- Kiva and plan for aries-wallet
  - W3C DID compliant storage library (discussion at RWOT, but no standard today)
  - More testing
  - Contributor diversity
  - Wallet mobile support
- Architecture of Aries core library
  - What is our fastest path to a library that framework implementors could consider using?
  - Naming
    - aries-wallet aries-ams (agent managed storage)
      - <https://github.com/hyperledger/aries-rfcs/issues/68>
      - Must be managed by an agent, and nobody else (differentiate from hub managed storage)
        - Hubs and Agents: <https://www.hyperledger.org/blog/2019/07/23/rhythm-and-melody-how-hubs-and-agents-rock-together>
        - When possible, we should avoid jargon and abbreviations. In this case it is probably not possible to be simpler.
    - aries-wallet-postgres aries-ams-postgresql
    - aries-wallet-sqlite aries-ams-sqlite
  - aries-resolver-peer and aries-resolver-indy
  - aries-core (pack / unpack)

## 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



## Call Recording

File	Modified
Multimedia File GMT20190925-140217_Community-_1494x1080.mp4	Sep 25, 2019 by Richard Esplin