

# 2020-05-06-A Aries Working Group Call (AMER morning)

## Summary:

- Work updates
- Recap from IIW - [https://iiw.idcommons.net/Main\\_Page](https://iiw.idcommons.net/Main_Page)
  - Session notes: [https://iiw.idcommons.net/IIW\\_30\\_Session\\_Notes](https://iiw.idcommons.net/IIW_30_Session_Notes)
  - Interesting topics:
    - KERI: [https://github.com/SmithSamuelM/Papers/blob/master/presentations/KERI2\\_Overview\\_IIW\\_2020\\_A.pdf](https://github.com/SmithSamuelM/Papers/blob/master/presentations/KERI2_Overview_IIW_2020_A.pdf)
    - Fundamental Problems of Distributed Systems
    - SSI: when I should start charging my customers?
    - Other?
    - KMS

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

## Date

06 May 2020 (7AM Los Angeles, 10AM New York, 3PM London, 4PM CET, 18H Moscow)

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## Attendees

- Name (Organization) <email>
- [Ken Ebert](#) (Indicio Tech ) <ken@indicio.tech>
- [Robert Mitwicki](#) (robert.mitwicki@humancolossus.org)
- [Stephen Curran](#) (Cloud Compass Computing Inc.) <swcurran@cloudcompass.ca>

## Welcome / Introductions

## Announcements

## Related Calls

- Previous Aries Working Group calls
- DIF DIDComm WG Call: [Rolling Agenda](#).
- Identity Implementors Working Group call
  - Main place to get project updates, release status, and announcements.

## Release Status and Work Updates

- Aries Protocol Test Suite
  - One agent under test
  - Issue, credential, and proof tests are merged.
- Aries Agent Test Harness
  - Test compatibility between any two agents
  - [https://github.com/bcgov/aries-agent-test-harness\\_](https://github.com/bcgov/aries-agent-test-harness_)
- Aries Shared:
  - indy-vdr (Andrew Whitehead) <https://github.com/hyperledger/indy-vdr>
    - Nearing release 1.0(?) - most work complete that was needed: Design doc, FFI, testing, CI / CD
      - CD not there
      - No design doc, but crate docs
    - As an Aries interface becomes standardized, will add that API layer
      - Do we hold off on setting the version until this is in place. Maybe 0.8
    - VON Tails Server created based on indy-vdr created.

- indy-credx - <https://github.com/andrewwhitehead/indy-credx>
  - need to move ASAP to at least BC Gov repo - [Andrew Whitehead](#)
  - ACA-Py branch created that can do credential exchange with indy-credx
  - Next up: adding revocation 2.0 support
  - Integrating upgraded PyO3 library
- indy-shared-rs - <https://github.com/bcgov/indy-shared-rs>
  - Shared features across indy-vdr and indy-credx
  - pack/unpack on Ursa (not libsodium)
  - home for revocation support? Or at least shared set membership proof handling?
- aries-credx
  - <https://github.com/sovrin-foundation/aries-credx-framework-rs>
    - 6 most common attribute encodings
    - Does not have anoncreds 1 attribute encoding.
  - Can make a non-revocable credential and create proofs.
    - Tagging will be moved to the KMS.
    - Mike will be working on revocation registry 2.0
- Aries Secure Storage initiatives:
  - Mike working on documentation and architecture as an Aries RFC (KMS architecture) and Ursa RFC (API)
    - PR is submitted: <https://github.com/hyperledger/aries-rfcs/pull/440>
  - Mike and Cam's work aries-kms-mayaguez - repo? features?
    - <https://github.com/sovrin-foundation/aries-kms-rs>
      - Persistence work allows plugging in any database engine.
      - Focus is using an external enclave.
      - Working on Postgres storage; will need help on lox
      - Something out the end of the week.
- Aries-CloudAgent-Python (bc.gov)
  - Release **0.5.1** is on PyPi.
  - Revocation support added and tested with Streetcred and esatus Mobile Agents; major/minor version handling
- Aries-Framework-Go (Troy) #aries-go
  - Implementing the [Out-Of-Band protocol](#)
  - Implementing issue-credential and present-proof protocols
  - Edge agent in work based aries-framework-go using WASM with support for DIDs, VCs and DIDComm support being added
- Aries-SDK-Ruby (Jack)
  - Added DID/Verkey sign\_and\_submit to [aries\\_sdk\\_ruby](#) and published new [gem](#) (0.0.8)
  - Created [aries-rails-docker](#) experiment that support Rails 4 with Indy 1.8.1 on Heroku & Dokku
- Aries-Framework-DotNet (Tomislav)
  - Release last week for Aries compatibility with ACApy and LibVCX (RFC 0094)
- Aries-StaticAgent-Python
- Aries-Toolbox
  - Added basic message admin
  - Working on a getting started video
  - Converted to a web application by [Robert Mitwicki](#) - repo <https://github.com/thclab/aries>
  - Upcoming cleanup items
- Aries-SDK-Java
- Aries-Framework-JavaScript
  - Started regular meetings: [Framework JS Meetings](#)
  - Current focus is on mediator use case (NodeJS)
- Rich Schemas and W3C Verifiable Credentials (Brent & Ken)
  - Some work has been done to support the W3C Verifiable Credentials Data Model specification
- Aries-MobileAgent-Xamarin (Aries MAX)
  - Evolution of the open source mobile agent (Mattr Global's OSMA)
  - <https://github.com/hyperledger/aries-mobileagent-xamarin>
- Ursa
  - 0.4.0 scheduled for late March
    - Improved hash to curve algorithm
    - Updates to AMCL wrapper
  - To replace libsodium, need to have a replacement for the anoncrypt / authcrypt sealed box for pack / unpack.
    - Can be done in Ursa with two steps, but might add as a single function call.

## RFC Progress

## Other Business

## Future Topics

- Next Meeting
- Other:
  - Where should we document interoperability results (AIP 1.0)? A page in this wiki space?
  - Hubs vs Agents
    - <https://www.hyperledger.org/blog/2019/07/23/rhythm-and-melody-how-hubs-and-agents-rock-together>
  - Status and future of wallet query language
  - DID Resolution W3C and Sam's concerns: <https://github.com/hyperledger/aries-rfcs/issues/130>
  - Architecture of Aries Verifiable Credentials Proof Formats (Mike Lodder)
  - Connectionless
  - KERI - deep dive / transaction family / Notary groups /
  - Chain credentials 0104-chained-credentials

Action items



Call Recording

File	Modified
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