2020-01-15-A Aries Working Group Call (AMER morning)

Summary:

- Work updates
- Summary of proposed changes to DIDComm
- Progress on VDRI

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

Date

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

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Attendees

- Name (Employer) <email>
- Daniel Bluhm (Sovrin Foundation) <daniel.bluhm@sovrin.org>
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Welcome / Introductions

Announcements

- Hyperledger edX course - Introduction to Hyperledger Sovereign Identity Blockchain Solutions: Indy, Aries & Ursa
- Launch of ACA-Py User Group (ACA-Pug) and #aries-cloudagent-python
- Hyperledger Developer Relationship Management meeting is today at 9AM Pacific

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
  - Feature Discovery protocol tests now in test suite thanks to the efforts of Keith Smith
  - Moving on to Issue Credential; first targeting Indy ledger specific tests with the hope of informing design of ledger agnostic tests.
- Aries Shared:
  - Aries KMS
  - Verifiable Data Registry Interface (VDRI) library
  - Other Core Libraries (pack / unpack)
- Aries-CloudAgent-Python (bc.gov) - Latest is Release 0.4.0 on PyPi - some internal breaking changes regarding plugins

- Aries-Framework-Go (Troy) #aries-go
    - 2020-01-14 Framework Go Weekly Planning
    - RFC implementation status and Wishlist (Dec/2019)
    - Continuing efforts on routing & relays, crypto/kms, WebAssembly, verifiable credentials, generic message handlers (and external registration), JWE envelopes.
    - WASM is working for DID Exchange from a browser (running the WASM) to a routing agent. Next we want to show DID Exchange between browsers.
    - Working on design for JS Worker interface for Aries Framework Go WASM.
- Aries-SDK-Ruby (Jack)
- Aries-Framework-DotNet (Tomislav)
- Aries-StaticAgent-Python - Now up to 0.6.1; more details
- Aries-Toolbox
    - Official repo moved to aries-toolbox
    - Preparing for a new release based on the latest ACA-Py
- Aries-SDK-Python - Wrapper from JeromK and SBCA?
- Aries-SDK-Java
- Aries-Framework-JavaScript / Aries-SDK-JavaScript
    - As agreed in the connect-a-thon, planning efforts on merging the **aries-sdk-javascript** codebase into a single framework repo - **aries-framework-javascript**
    - Starting with the efforts on the React-Native Mobile Agent.
- Rich Schemas and W3C Verifiable Credentials (Brent & Ken)
    - HIPEs/RFCs
        - overview https://github.com/hyperledger/aries-rfcs/tree/master/concepts/0250-rich-schemas
        - context https://github.com/hyperledger/aries-rfcs/tree/master/features/0249-rich-schema-contexts
        - schema processing feedback https://github.com/hyperledger/aries-rfcs/tree/master/features/0281-rich-schemas
    - Next HIPEs/RFCs for
        - encoding
        - mapping
        - credential definition
    - Node implementation of
        - context (merged)
        - schema PR in progress https://github.com/hyperledger/indy-node/pull/1513
- Migration from LibIndy
    - Additional LibVCX Aries protocol support released in December.
- Ursa 0.3.1 release in January
    - Delegate-able credentials
    - Flexible configuration options
    - ZMix 0.1.0 expected in January
        - Ursa and ZMix will be separate releases. ZMix is the proving code, and Ursa is everything else.

RFC Progress

- Rich Schema RFC headed to an APPROVED status, Troy had some comments on how the Link Secrets tie to W3C spec.
- Proposal to renumber RFC 0289
- Progress on JWE envelopes (RFC 334).
- Draft RFCs on purpose decorator (generic JSON messages) and HTTP over DIDComm.
- Aries WG B call: HTTP & purpose decorator

Other Business

- Current state and direction of DIDComm (Sam Curren)
    - DIDComm WG status: https://hackmd.io/6Lv0HOi1SbqbBtthtIr9aw?view
    - Scope: https://github.com/hyperledger/aries-rfcs/tree/master/concepts/0005-didcomm
    - GitHub repo created next week
    - Future of DIDComm: Tobias' proposal for JWM
        - https://tools.ietf.org/html/draft-looker-jwm-00
- Collaborating on the Indy-Aries-VDR
    - Andrew Whitehead's work should be available for review next week.

Future Topics

- Next call
    - Q&A about the Aries Framework Go Nikita Khateev
- Other:
    - Aries KMS design
        - Define approved algorithms
        - Define plugin interface
        - 3rd party libraries we could leverage:
            - Google Tink as an encryption library
    - 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
    - IOT best practices (Robert Mitwicki, Adam Burdett , Lohan Spies)
    - DID Resolution W3C and Sam's concerns: https://github.com/hyperledger/aries-rfcs/issues/130
    - Architecture of Aries Verifiable Credentials Proof Formats (Mike Lodder)

Action items

☐

Call Recording

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Multimedia File GMT20200115-150417_Community-_2002x1898.mp4	Jan 15, 2020 by Richard Esplin
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