2020-07-22-B Aries Working Group Call (US afternoon)

Summary

- Governance Application

Note: This call was recorded:

Date

22 Jul 2020 (12PM Los Angeles, 3PM New York, Tuesday at 7AM Sydney)

Remember the Hyperledger Code of Conduct

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Attendees

- Sam Curren (Indicio) <sam@indicio.tech>
- George Aristy (SecureKey) <george.aristy@securekey.com>
- John Callahan (Veridium) <jcallahan@veridiumid.com>
- Timo Glastra (ANIMO) <timo@animo.id>
- Stephen Curran (Cloud Compass Computing Inc.) <swcurran@cloudcompass.ca>
- Steve McCown (Anonyme Labs) <smccown@anonyme.com>
- Nathan George (Kiva) <nathang@kiva.org>

Welcome / Introductions

Announcements

- DIF Interop WG Charter (draft):
  - Sovrin TGB Volunteers needed.
- Indyopathon Conference?
  - Efforts to organize led by Stephen Curran
  - Topic: Creds from two or more indy networks.
  - Day or two long workshop.
  - Help welcome.
- Vince Albanese - future speaker: DirectTrust hack-a-thon Nov 2020 (DIDComm on XMPP)

Related Meetings Review

- Ursa -
- Semantics - Next meeting: Never - transitioning to be in the ToIP Foundation - see RocketChat channel for details and how to join the successor group
- DID UX Call - Active?
- SSI in IoT WG
- Indy Contributors - Every 2nd Tuesday 8am US/Pacific - DIDDoc support into Indy with minimal changes to ledger code.
- Identity WG / Identity WG Implementer calls (Wed / Thurs) - July 30, at 9 am US/Mountain (Wiki page: 2020-07-16 Identity WG Implementers Call)
- DIF DIDComm WG - Monday’s at Noon US/Pacific - Sam Curren (Mon) - DID Doc services, etc.

Upcoming Releases and Work Updates

- Aries Protocol Test Suite
  - Instructions, docker added - Try It!
  - Issue, credential, and proof tests are merged.
  - esatus backchannel
- Aries Agent Test Harness - https://github.com/bcgov/aries-agent-test-harness
  - Test compatibility between any two agents
  - Better alignment with RFCs - e.g. States; externalizing data elements - e.g., credentials, proof requests
Work happening on an aries-framework-dotnet backchannel – going really well, by Timo Glastra and team

- Aries Shared:
  - indy-vdr (Andrew Whitehead) [https://github.com/hyperledger/indy-vdr](https://github.com/hyperledger/indy-vdr)
  - Help Found! Update “did:sov” method of the DIF universal resolver to use indy-vdr instead of indy-sdk
  - indy-credx - [https://github.com/bcgov/indy-credx](https://github.com/bcgov/indy-credx)
  - Experimental ACA-Py branch created that can do credential exchange with indy-credx
  - indy-shared-rs - [https://github.com/bcgov/indy-shared-rs](https://github.com/bcgov/indy-shared-rs)
  - Shared features across indy-vdr and indy-credx
  - pack/unpack on Ursa (not libsodium)
  - Aries Secure Storage initiatives:
    - Soon to be public - from Andrew Whitehead

- Aries-CloudAgent-Python ([bc.gov](https://bc.gov))
  - Release 0.5.3 will come soon
  - Proof validation handling needs a fix.

- Aries-Framework-Go (Troy) #aries-go
  - Implementing Android/iOS capability
    - GitHub Issue
    - Controller implementation status dashboard
  - Investigating BBS+ JSON-LD signatures
  - Investigating DIF attachments in issue credential and present proof protocols
    - Presentation Exchange
    - Credential Manifest

- Aries-SDK-Ruby (Jack)
  - Still working on JSON-LD 1.1 Signatures updates
  - Exploring BBS+ Signature support via rust bridge (same as used in Matt’s [https://github.com/mattrglobal/jsonld-signatures-bbs](https://github.com/mattrglobal/jsonld-signatures-bbs))
  - Looking at Andrew Kane’s lockbox gem for KMS with rails ActiveRecord ([https://github.com/ankane/lockbox](https://github.com/ankane/lockbox))
  - Beginning to open source GBAId RoR prototype: [https://github.com/veridium/](https://github.com/veridium/)

- Aries-Framework-DotNet (Tomislav)

- Aries-StaticAgent-Python

- Aries-Toolbox
  - PR for Connections Update
  - Converted to a web application by Robert Mitwicki - repo [https://github.com/thclab/aries](https://github.com/thclab/aries)
  - Upcoming cleanup items

- Aries-SDK-Java

- Aries-Framework-JavaScript - Framework JS Meetings
  - Current focus is on mediator use case (NodeJS)
  - Plan for 1.0 defined; refactoring to be done

- Rich Schemas and W3C Verifiable Credentials (Brent & Ken)
  - Some work has been done to support the W3C Verifiable Credentials Data Model specification
  - Modifications to use BBS+ LD sigs as a first step - early exploration.

- Aries-MobileAgent-Xamarin (Aries MAX) - [https://github.com/hyperledger/aries-mobileagent-xamarin](https://github.com/hyperledger/aries-mobileagent-xamarin)
  - Ideas:
    - Automatic offer acceptance/managing credentials
    - Machine readable governance

- Ursa
  - Revocation 2.0 in process

Agenda

- RFC 348 - Transition message types to https.
- IBM Status PR?
- Applications of Governance
  - Scenario Spreadsheet
  - Daniel Edit of Email Ownership Framework

Closing Game

- Message Tracing - PR 464
- Extract Reuse to OOB - PR 502
- Present Proof v2 - PR 486
- Presentation Exchange in Present Proof v2 - PR 510
- Credential Manifest in Issue Credential v2 - PR 511

Next Week

- Requests?

Example Governance Framework (Sam)
- Email Verification
- Engage in Governance Frameworks (Sam)
  - Examples
Future Topics

- ActionMenu
- Migrating to new JWE envelope format: [https://github.com/hyperledger/aries-rfcs/issues/478](https://github.com/hyperledger/aries-rfcs/issues/478)
- DKMS status
- Credential Fraud: Example how in ACA-Py to verify same link secret across multiple credentials in presentation
- Schema interop - how to reuse a schema across different networks [RFC in progress](#)
- Using WebSocket as a way to communicate back to the mobile/desktop wallet (Agent (services or user) as a proxy for communication between service and digital wallet) [RFC in progress](#)

Action items

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- Robert Mitwicki