**2020-06-17-B Aries Working Group Call (US afternoon)**

**Summary:**
- Aries Storage
- Reuse as OOB Message

**Note:** This call was recorded:

**Date**
17 Jun 2020 (12PM Los Angeles, 3PM New York, Tuesday at 7AM Sydney)

**Remember the Hyperledger Code of Conduct**

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**Attendees**
- Stephen Curran (Cloud Compass Computing Inc.) <swcurran@cloudcompass.ca>
- Sam Curren (Indicio.tech) <sam@indicio.tech>
- Darrell O'Donnell (Continuum Loop Inc.) <darrell.odonnell@continuumloop.com>
- John Callahan (Veridium) <jccallahan@veridiumid.com>
- Steve McCown (Anonyome Labs) <smccown@anonyome.com>

**Welcome / Introductions**

**Announcements**

**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 - Monitoring Indy
- Identity WG / Identity WG Implementer calls (Wed / Thurs) - This week! 9 am US/Mountain
- 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!
- Aries Agent Test Harness - [https://github.com/bogov/aries-agent-test-harness](https://github.com/bogov/aries-agent-test-harness)
  - Test compatibility between any two agents
  - Work on Present Proof tests. Adding 4th agent persona (Acme, Bob, Faber and Mallory)
- Bounty for implementing the Aries Framework .NET backchannel (and maybe others) – Apply Now
- Aries Shared:
  - Help Wanted: Update `did:sov` method of the DIF universal resolver to use indy-vdr instead of indy-sdk
  - Experimental ACA-Py branch created that can do credential exchange with indy-credx
  - 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)
- Release 0.5.2 is near
  - Updates on revocation
  - Initial JSON-LD VC support added – signing, verifying only - done by Sam Curren supported by SICPA (Switzerland)
  - A lot of error handling cleanup
  - Provision of a local DID

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)

Aries-StaticAgent-Python

Aries-Toolbox
- PR for Connections Update
- Converted to a web application by Robert Mitwicki - repo 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

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

Ursa
- 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.
- Revocation 2.0 Support - new approach: Non-Revocation Range Merkle Tree - Ursa RFC here
  - Performance looks good at 1M creds/registry - 16M might be possible.

Agenda

- Intro and project updates (Sam Curren - 20 min)
- Aries Storage (Andrew Whitehead - 30 min)
- Reuse as part of OOB (Sam Curren)
  - https://github.com/hyperledger/aries-rfcs/pull/502
- Credential Replacement_id (Sam Curren)
  - https://github.com/hyperledger/aries-rfcs/pull/495
- Open Discussion / Next Week Topics / Wrap Up (5 min)

Next Week

- Requests?
- Credential Exchange Load testing - Thomas Shelton
- Tracing Discussion. Warpage Prevention?

Future Topics

- Migrating to new JWE envelope format: 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 Robert Mitwicki (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) Robert Mitwicki

Action items

- Pursue idea of "reuse" in OOB Protocol and remove from DID Exchange

File | Modified
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