2019-10-30-B Aries Working Group Call (US afternoon)

Summary:

- Review open tickets; which can be resolved? (15 min - Stephen C)
- Signed attachments, ~sig, etc (15 min - Kyle, Troy)
- Delegatable creds and consent receipts (30 min - George A, Jan L)
- Cutting over to didcomm.org (15 min - Daniel H)
- Open Discussion / Next Week Topics

Note: This call is being recorded.

Date

30 Oct 2019 (12PM Los Angeles, 3PM New York, Tuesday at 5AM Sydney)

Remember the Hyperledger Code of Conduct

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Attendees

- Name (Organization) <email>
  - Stephen Curran (Cloud Compass/BC Gov) swcurran@cloudcompass.ca
  - George Aristy (SecureKey) <george.aristy@securekey.com>
  - John Callahan (Veridium) <jcallahan@veridiumid.com>
  - Javier Ochoa (SOMA) <javier@soma.co>
  - Troy Ronda (SecureKey) <troy.ronda@securekey.com>
  - Ajay Jadhav (AyanWorks) <ajay@ayanworks.com>
  - Keith Smith (IBM) <bksmith@us.ibm.com>
  - Brent Zundel (Evernym) <brent.zundel@evernym.com>
  - Steve McCown (Anonyme Labs) <smccown@anonyme.com>
  - Richard Esplin (Evernym) <richard.esplin@evernym.com>
  - Paul Knowles (Dativa) <paul.knowles@dativa.com>
  - Ker Ebert (Sovrin Foundation) <ken@sovrin.org>
  - Tobias Looker (Mattr) <tobias.looker@mattr.global>
  - Moushmi Banerjee (Nutanix) <moushmi.banerjee@nutanix.com>
  - Cam Parra (Kiva) <cam@kiva.org>
  - Kyle Den Hartog (Mattr) <kyle.denhartog@mattr.global>
  - Kaliya “IdentityWoman” Young <kaliya@identitywoman.net>

Welcome / Introductions

Announcements

- Aries Workshop/Connectathon December 3-5 in Provo, Utah - Dates Confirmed, Food Sponsors welcome!
  - Please RSVP
- Sovrin Foundation Sovrin Governance Framework GDPR Docs—second public review (15 days) started Oct 23rd—see the links here
- Other Announcements

Related Meetings Review

- Ursa - Progress on packages and Plenum work.
- Semantics - ODCA pilots underway - The agenda, video, notes, etc. from the HL Indy Semantics WG call:
- DID UX Call - Slack/Mailing list - details in the shared document as well minutes and additional information, currently bootstrapping discussion about UX for defined personas
- Indy Contributors - Richard Esplin (Mon) - Discussed future of Indy Ledger (View Change, Aardvark BFT, bug fixes, future of Plenum)
- Identity WG / Identity WG Implementer calls (Wed / Thurs)
Upcoming Releases and Work Updates

- Aries Protocol Test Suite
  - Works, and ready for test contributions
- Aries Core Libraries (agent storage, ledger interface, comms)
  - Planning a move for the Indy Wallet crate into hyperledger/aries-ams
    - Will likely change the name to aries-kms (see vote below)
    - SQLite as the default wallet.
    - aries-ams-sqlite is archived
  - Need to migrate Postgres wallet plugin from Indy to aries-ams-postgres
- Future:
  - Verifiable Data Registry Interface library
  - Static Peer DIDs in aries-vdri as the default implementation
  - aries-vdri-peer is archived
- Aries-CloudAgent-Python (bc.gov) - Release 0.3.5 Coming Soon - mainly cache handling updates.
  - Continuing to learn about performance/storage impacts of using Aries protocols and non-secrets (metadata) interface.
  - Lessons learned:
    - Database calls are fast, but there are a lot of calls being made - take great care in using tags (credentials and protocol state)
    - Protocol state is large - leave it to controller to decide what to keep
    - Really hard to understand inside the KMS - what's happening and getting metrics out.
    - Caching is hard - self-inflicted wound
    - Current issue - not understanding all the calls to "SELECT item" from secrets storage.
- Aries-Framework-Go (Troy)
  - Weekly planning notes (2019-10-29)
    - Closing the 0.1.0 milestone this week.
      - Framework structure.
      - Draft DID Exchange Protocol (including Go and REST "controller" APIs).
      - HTTP Binding for DID resolver along with first phase of peer DID support.
      - Envelope pack/unpack (including support for draft JWE envelopes).
    - Shifting focus to the 0.1.1 milestone.
      - Introduce and issue credential protocols (and finalize DID Exchange).
      - WebSocket transports.
      - Refactor pluggable interface categories (kms, crypto, ...).
    - Stretch goals (in planning page).
- Aries-SDK-Ruby (Jack)
  - Project is featured on Ruby-Flow (http://www.rubyflow.com/p/ofdgq-ruby-sdk-for-hyperledger-aries)
  - Updated to 0.0.6 at RubyGems https://rubygems.org/gems/aries-sdk-ruby
  - Rails sample project using aries-sdk-ruby at https://github.com/johncallahan/aries-rails
- Aries-Framework-DotNet (Tomislav) Transaction Authors/Endorser support for Indy.
- Aries-SDK-Python - PR from JeromeK
- Aries-SDK-Java - Usually Wed Evenings
  - Javier => asking help to move forward. Any agenda on what is being developed on other SDKs?
- Aries-SDK-JavaScript - Contributors are now meeting on every Fridays -
  - Need to create a new repo - "aries-framework-javascript" and add following contributors to get started.
    - Jakub Koci, Matt Raffel, Ajay Jadhav, Keith Smith
  - Meeting details are here - Framework JS Meetings
  - See current plan here - FAQs
- Indy
  - Migrating from Indy SDK
    - Closing PRs related to Indy wrappers with pointers to Aries language libraries
    - Adding LibVCX support for some Aries protocols
    - Trouble when testing with ACA-Py as an issuer.
      - https://github.com/hyperledger/aries-cloudagent-python/pull/239
      - https://github.com/hyperledger/aries-cloudagent-python/pull/240
      - https://github.com/hyperledger/aries-cloudagent-python/pull/241
    - Conversations about RFCs versus working implementations.
- Ursa

Agenda

- Review open tickets; which can be resolved? (15 min - Stephen C)
- Signed attachments, ~sig, etc (15 min - Kyle, Troy) discussion for this is happening on Pull request #267 https://github.com/hyperledger/aries-rfcs/pull/267
- Delegatable creds and consent receipts (30 min - George A, Jan L)
- Cutting over to didcomm.org (15 min - Daniel H)
- Not covered: Socialize test suite RFC (5 min - Daniel H)
- Open Discussion / Next Week Topics

Next Week

Future Topics

- Link handling to open Mobile Agents
- DIF Interop Project - Project is proceeding, connect the communities at IIW
- DKMS status
- Independent agent upgrades
• Signature Envelope (Kyle)
  • Updating to JWE compliant data model
• Credential Fraud: Example how in ACA-Py to verify same link secret across multiple credentials in presentation
• 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
• Update message type and protocol identifier to https. (and protocol documentation hosting.)
• Formal protocol verification techniques
  • https://github.com/johncallahan/needham_shroeder_spin (non-Aries example using SPIN/Promela)

Action items

Call Recording

• Aries Working Group B 20191030 Recording
• Aries Working Group B 20191030 Chat