2021-01-20-B Aries Working Group Call (US afternoon)

Summary

- AIP

Date: 20 Jan 2021 (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>
- James Ebert (Indicio) <james.ebert@indicio.tech>
- Christos Patsonakis (CERTH) <cpatsonakis@iti.gr>
- Drummond Reed (Evernym) <drummond.reed@evernym.com>

Welcome / Introductions

Announcements

Thoughtful Biometrics - March 9,10,12 thoughtfulbiometrics.org

Related Meetings Review

- Ursa -
- SSI in IoT WG
- Indy Contributors - Every 2nd Tuesday 8am US/Pacific - CI/CD of Indy Node and Plenum, Ubuntu 18.04 release, indy-sdk release candidate is ready
- Indy DID Method Tuesdays 7am Pacific - Last: Transforming generating DIDDocs from NYM and
- 2021-01-14 Identity Implementers WG Call (9am MT / 4pm UTC), presentation: Patrik Stas will be provide an introduction to the Indyscan project and how it helps monitor the health of Indy-based ledgers.
- 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
  - OOB protocol testing added (phase 1)
  - Regular friday meetings, contact Keith Smith for details
- Aries Agent Test Harness - https://github.com/hyperledger/aries-agent-test-harness - Aries Interop Testing
  - CI Pipeline running – now comparing tests one day to the next – "Fail" means results are different from what's in GitHub
  - In progress:
    - Adding aries-framework-go backchannel
    - Adding DID Exchange tests
- Aries Shared:
  - Working ACA-Py branch! Recording of information about the repos and performance:
  - indy-vdr (Andrew Whitehead) https://github.com/hyperledger/indy-vdr - communication with Indy-Node ledgers
  - indy-shared-rs - https://github.com/hyperledger/indy-shared-rs - includes indy-credx (Anoncreds support) and related packages
  - aries-askar - https://github.com/hyperledger/aries-askar - secure storage (wallet) initiative
- Aries-CloudAgent-Python (bc.gov)
  - Release 0.6.0 is pending.
  - Contributions included:
    - OOB/DID Exchange support merged – testing/tweaking
    - Adjustments for supporting aries-askar – mostly internal

- Multi-Tenant Support - SICPA and collaborators (Animo, Anon Solutions)
- Mediator Support – Indicio - ACA-Py as mediator, ACA-Py as mediator client (through connections protocol) merged; Admin API, fixes in progress; need to add support for DID Exchange/OOB
  - In Progress:
    - Persistent Queues – Kiva – WIP PR submitted using redis
    - More on OOB
    - Credential Exchange V2 (RFC 0453/0454)
  - Starting soon:
    - Getting to W3C Verifiable Credential support with ZKP and Selective Disclosure with Revocation.
      - DHS SVIP JSON-LD Verifiable Credential exchange in Aries Protocols
- Aries-Framework-Go (Troy) #aries-go
  - Release v0.1.5 (https://github.com/hyperledger/aries-framework-go/releases/tag/v0.1.5)
    - Remote encrypted storage capability that leverage DIF Confidential Stores
    - Support for WebKMS
    - BBS+ Verifiable Credentials with selective disclosure
    - Support for `did:web` resolution
- Aries-SDK-Ruby (Jack)
  - Horcrux gem for ActiveStorage (0.0.4)
    - moved to https://github.com/decentralized-identity/activestorage-horcrux
    - refactored to change blob key directly (instead of via Tempfile)
- Aries-Framework-DotNet (Tomislav)
- Aries-Toolbox
  - Connections Update Complete
  - ACA-Py Toolbox Plugin updated to support ACA-Py 5.3
  - Dependency Updates
  - Converted to a web application by Robert Mitwicki - repo https://github.com/thclab/aries
- Aries-SDK-Java
- Aries-Framework-JavaScript - Framework JS Meetings
  - Connection, Issue Credential protocol implemented, Working on present proof
  - Added support for react native
    - Working on open source mobile agent (https://github.com/animo/aries-mobile-agent-react-native)
- 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
  - Ideas:
    - Automatic offer acceptance/managing credentials
    - Machine readable governance
- Ursa
  - Go wrapper proceeding nicely
  - Grand refactor in the next few months. Should not affect the external APIs. Will help future additions.

Agenda

- Consensus Veramo http://veramo.io/
- AIP Next
  - https://github.com/hyperledger/aries-rfcs/pull/579
  - Peer DID Method 2 - https://github.com/decentralized-identity/peer-did-method-spec/pull/26
    - Option to include overriding any key usage
  - JWE envelope RFC 334
  - Needed areas of work
- PR/Issues
  - 577 - change from did:key to self encoded keys

Next Week

Future Topics

- 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

File	Modified
Multimedia File audio_only.m4a	Jan 28, 2021 by Sam Curren
Multimedia File zoom_0.mp4	Jan 28, 2021 by Sam Curren