2019-10-23-A Aries Working Group Call (US morning)

Summary:

• Release updates
• Next steps in creating shared Aries libraries
  • Naming of the Data Registry Interface
  • Verifiable Data Registry Interface
  • Repository organization
  • Work plans

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

Date
23 Oct 2019 (7AM Los Angeles, 10AM New York, 3PM London, 17H Moscow)

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Attendees

• Name (Employer) <email>
  • Stephen Curran (Cloud Compass/BC Gov) swcurran@cloudcompass.ca
  • John Callahan (Veridium) <jcallahan@veridiumid.com>
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  • Brent Zundel (Evernym) <brent.zundel@evernym.com>

Welcome / Introductions

Related Calls and Announcements

• Previous Aries Working Group calls
  • Identity Implementors Working Group call
    • Main place to get project updates, release status, and announcements.

Release Status

• Aries-CloudAgent-Python (bc.gov) - Release 0.3.3 has been tagged and is on PyPi
• Aries-Framework-Go (Troy)
  • Weekly planning notes (2019-10-22)
  • DID Exchange invitations can now include ledger DIDs (in addition to the underlying peer DID support).
    • Ledger DIDs BDD tested using Sidetree protocol with both mock ledger (CI) and fabric ledger (CI) implementations.
  • Help wanted to additionally support Indy in the BDD tests.
• Aries-SDK-Ruby (Jack)
  • Project is featured on Ruby-Flow (should appear this week 23 Oct 2019)
  • 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)
• Aries-StaticAgent-Python - Release 0.4.0
• Aries-SDK-Python - Wrapper from JeromK and SBCA?
• Aries-SDK-Java
Aries-SDK-JavaScript
- DIF people interested in implementing a Java Script library that might share some of the functionality of the Aries SDK. We need to keep that in mind.

Work Updates
- Rich Schemas and W3C Verifiable Credentials (Ken)
- SDK 2.0 architecture / Indy-Aries split (Sergey)
- 1406 ticket and PR
- Architecture of Aries Verifiable Credentials Proof Formats (Mike Lodder)
- Static Peer DIDs in aries-dri-peer (Richard and Sergey)
  - Daniel Python impl that needs to be implemented in Rust

RFC Progress
- Rich Schema RFC headed to an APPROVED status, Troy had some comments on how the Link Secrets tie to W3C spec.

Other Business
- Verifiable Data Registry instead of just Data Registry (vdri instead of dri) for naming of the Aries repos – Stephen Curran
- Removing of the DRI Peer and AMS SQLite? Ignore them for now, maybe add a README and say 'Do Not Use This Right Now' and modify the pull/push privileges for the repos:
- Using SQL in memory mode for the in memory wallet?
- Cam’s proposal for an Aries Wallet (Cam)
  - Settled differences, and is no longer relevant. We will start from the indy-wallet, waiting for the pull request
  - https://github.com/hyperledger/aries-wallet
- Next step on Aries Core Libraries
  - Resolver / Data Registry Interface
    - Peer DIDs
  - Wallet / Agent Managed Storage / ?
  - Verifiable Credentials Proof Formats
- Experience with using Indy threading in ACA-Py (John Jordan)?
- Formal protocol verification techniques
  - https://github.com/johncallahan/needham_shroeder_spin (non-Aries example using SPIN/Promela)

Future Topics
- Next call
  - Using hardware enclaves (Daniel)
- Other:
  - Hubs vs Agents
  - Payments in Aries
  - 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

Action items
- Richard: Create repos specified in ARIES-3

Call Recording

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