

2023-03-29 Aries Working Group Call

Summary:

- PR and Issue Review

Date

29 Mar 2023 (7AM Los Angeles, 10AM New York, 3PM London, 4PM CET, 18H Moscow)

Recording: [20230329 Aries Working Group Call Recording.mp4](#)

Nessus Demo: [20230324 DIDCommV2 Nessus Demo.mp4](#)

[Warren Gallagher](#) wanted to see messages with their respective direction

Here an attempt for this: youtube.com/watch?v=6CBAf29-HQY

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Attendees

- [Stephen Curran](#) (BC Gov / Cloud Compass Computing Inc.) <swcurran@cloudcompass.ca>
- [Alexandra Walker](#) (Indicio, PBC) <alex.walker@indicio.tech>
- [Warren Gallagher](#) (AffinitiQuest) <warren@affinitquest.io>
- [Lance Byrd](#) (RootsID) <lance.byrd@rootsid.com>
- [Bruce Conrad](#) (Pico Labs) <bruce_conrad@byu.edu>
- [Thomas Diesler](#) (RedHat) <tdiesler@redhat.com>
- [Rodolfo Miranda](#) (RootsID) <rodolfo.miranda@rootsid.com>
- [Steve McCown](#) (Anonymo Labs) <smccown@anonymo.com>
- [Alex Andrei](#) (RootsID) <alex.andrei@rootsid.com>

Welcome / Introductions

Announcements

- IIW - April 18-20, 2023, Mountain View, California.
 - Community Plans:
 - [DIDComm v2 Connect-a-thon](#) - HackMD lists the participants and live connections.
 - Hyperledger AnonCreds Update and V2.0 Progress

Release Status and Work Updates

- Aries Agent Test Harness -- <https://aries-interop.info>

- Aries Shared Components - Indy SDK replacements
 - Indy Verifiable Date Registry - Ledger Interface <https://github.com/hyperledger/indy-vdr>
 - Release 0.4.0 soon/this week(?) (0.4.0.dev.12 most recent)
 - Release 0.5.0 will have breaking changes, including did:indy branch merged into main.
 - Aries Askar secure storage - <https://github.com/bcgov/aries-askar>
 - Release 0.2.8 soon/this week(?) (0.2.8.dev.6 most recent)
 - AnonCreds Rust - <https://github.com/hyperledger/anoncreds-rs>
 - Release 0.1.0 soon/this week(?) (0.1.0.dev.11 most recent)
 - Shared Rust Library/CredX (AnonCreds) <https://github.com/hyperledger/indy-shared-rs> - being replaced by AnonCreds Rust
 - Release 0.3.2 tagged
- Frameworks:
 - Aries-CloudAgent-Python <https://github.com/hyperledger/aries-cloudagent-python>, Meetings: [ACA-Pug Meetings](#)
 - 0.8.0 released
 - 0.8.1 pending – upgrade command needs immediate work – arrgghh... Relevant to multi-use invitations – including mediators.
 - New documentation site: <https://aca-py.org>
 - Aries-Framework-JavaScript <https://github.com/hyperledger/aries-framework-javascript>, Meetings: [Framework JS Meetings](#)
 - Version 0.3.3 released - <https://github.com/hyperledger/aries-framework-javascript/releases>
 - Version 0.4.0 in progress - <https://github.com/hyperledger/aries-framework-javascript/releases/tag/v0.4.0-alpha.87>
 - Aries VCX (<https://github.com/hyperledger/aries-vcx>, Meetings: [Aries-VCX Meetings](#))
 - Release 0.53.0 <https://github.com/hyperledger/aries-vcx/releases/tag/0.53.0>
 - Picos as Aries agents (<https://github.com/Picolab/aries-cloudagent-pico>)
 - Phil Windley has students working on a DIDComm v2 version of ACA-Pico
 - Less active repos:
 - Aries-Framework-Go (Troy) #aries-go (<https://github.com/hyperledger/aries-framework-go>, Meetings: [aries-framework-go](#))
 - Aries-Framework-DotNet (<https://github.com/hyperledger/aries-framework-dotnet>)
- Mobile:
 - Aries Mobile Agent React Native, aka Aries Bifold <https://github.com/hyperledger/aries-mobile-agent-react-native>, Meetings: [Aries Bifold User Group Meetings](#)
 - Bifold Summit Happening now – [Bifold Summit 2023](#)
 - BCGov has released an Aries Bifold version, rebranded w/ BC blue/theme/etc (BC wallet)
 - Aries-MobileAgent-Xamarin aka Aries MAX (<https://github.com/hyperledger/aries-mobileagent-xamarin>)
- [aries-mediator-service](#) – a DIDComm Mediator in a Box
- [aries-endorser-server](#) – an Indy Endorser in a Box (in development)
- [Aries-Toolbox](#)
- [Ursa](https://www.hyperledger.org/use/hyperledger-ursa) (<https://www.hyperledger.org/use/hyperledger-ursa>, <https://github.com/hyperledger/ursa>)

Discussion Topics

- Pending Items awaiting further action
 - did:peer:3
 - Issue Credential Short Circuit PR
 - Issue Credential 2.1 learning
- PR Review
 - [777](#) - format identifiers
 - [778](#) - fix mime type
 - [776](#) - cred to credential in identifiers
- Issues
 - [779](#) - cred attribute for images
- Nessus DIDComm demo - Thomas Diesler (Red Hat) - [recording of the presentation, demo and discussion](#)
 - DIDComm v2.0 Playground Server: <http://nessus-tech.io:9100/>
 - Nessus Repository: <https://github.com/tdiesler/nessus-didcomm/>
 - Sample CLI Script:
 - <https://github.com/tdiesler/nessus-didcomm/blob/main/cli/etc/script/travel-with-minor.txt>
 - Example of a named object in the CLI – in this case "Airport.DID", but also used for VCs
 - <https://github.com/tdiesler/nessus-didcomm/blob/main/cli/etc/script/travel-with-minor.txt#L20>

Not Discussed, but left in the notes just because...

- DID Peer 2/3 – processing approach – is this the plan:
 - Identifiers:
 - Long Identifier – as defined today, entire encoded DIDDoc in identifier
 - Short identifier is the first 22(?) characters of 64 character string sha256 of long identifier (or something else?)
 - On receipt of a did:peer:2<identifier>, process as follows:
 - Detect length of identifier — short or long (assumption: long peer:did:2 will never be less than 23(?) bytes)
 - If short - resolve DID locally to get DIDDoc - on success, exit
 - If short and resolution failed — error, exit
 - If long
 - Convert long DID to short DID - resolve DID locally to get DIDDoc - on success, exit
 - If long and short DID resolution failed
 - Resolve long DID locally to get DIDDoc — on success, exit
 - if both short and long DID resolution fails
 - If on a "create DID" step (e.g. receiving DID Exchange "request" or "response" or DIDComm 2 new protocol step)
 - Extract DIDDoc from long DID, store short DID and DIDDoc, get DIDDoc — on success, exit
 - Otherwise — error

Other Business

Future Topics

- Thomas - [Nessus DIDComm 0.23.2 First Release](#)
 - Wallet abstraction for AcaPy + Nessus native
 - Camel Http Endpoint for Nessus agent
 - Support for RFC0434 Out-of-Band Invitation V1 & V2
 - Support for RFC0023 Did Exchange V1
 - Support for RFC0048 Trust Ping V1 & V2
 - Support for RFC0095 Basic Message V1 & V2
 - CLI to work with supported protocols and model
- State-of-union of Aries projects
- decorator for redirection after proofs. - existing?

Action items

Call Recording

File	Modified
Multimedia File 20230329 Aries Working Group Call Recording.mp4	Mar 29, 2023 by Stephen Curran
Multimedia File 20230324 DIDCommv2 Nessus Demo.mp4	Mar 29, 2023 by Stephen Curran

[Download All](#)