

2019-11-25 Indy Contributors Call

Summary

- Work updates
- Pull request review process for Indy Node

Timezone: US afternoon / APAC morning

We intend to record this call.

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Introductions

Attendees

- Name (Employer) <email>
- [Richard Esplin](#) (Evernym) <richard.esplin@evernym.com>
- [Stephen Curran](#)

Related Calls and Announcements

- Aries Workshop/Connectathon December 3-5 in Provo, Utah
 - <https://www.meetup.com/Utah-Sovrin-Meetup/events/265714942/>
- [ssimeetup.org](#) webinars
 - Peer DIDs Nov 21 at 1 PM MST,
 - December 17: Deep dive into the Plenum Ledger
- Hyperledger edX course - [Introduction to Hyperledger Sovereign Identity Blockchain Solutions: Indy, Aries & Ursa](#)
- Previous Indy Contributors call
- Identity Implementors Working Group call
 - Main place to get project updates, release status, and announcements.

Release Status and Work Updates

- Indy Node
 - November: 1.12.1
 - Bug fixes
 - Ubuntu 18.04 (Kiva)
 - Need to check additional dependencies:

INDY-2196 - Explore python dependencies in ubuntu 18.04 canonical debian repositories NEW
 - Replacing Indy Crypto with Ursa (Kiva)
 - Additional rich schemas objects: schema object (Sovrin Foundation)
 - Just posted Indy HIPE
 - <https://github.com/hyperledger/indy-hipe/pull/149>
 - Aries RFC
 - <https://github.com/hyperledger/aries-rfcs/pull/281>
 - PR of schema object in progress for November
 - Making progress on other RFCs for objects and one that shows how all the objects fit together.
 - December / January: 1.23.0
 - Remove replicas (Aardvark BFT) ?
 - Rich Schema progress: encoding object
 - Future
 - Anoncreds 2.0 (Sovrin Foundation)
- Indy SDK
 - November 1.13.0
 - Issue reported by BC.gov:
 - <https://github.com/hyperledger/indy-sdk/pull/1893>

- Need to include a manual release of iOS artifacts
- LibVCX support for some Aries protocols
- Deprecating some docs (IS-1425: Getting Started Guides) and wrappers (IS-1423: Python and DotNet)
- Bug fixes
- Future
 - Deprecate additional wrappers (IS-1424) and LibVCX (IS-1416)
 - GitLab migration alongside Jenkins (Foundation)?
 - Warnings from rust cargo clippy (Mike and Axel), epic: IS-1401
- Indy Catalyst
 - Production deployment testing: volume loads.
 - Trying to identify performance bottlenecks. Currently think it's calls to the database.
 - Performance problems is preventing going to production.
 - Not yet migrated to Hyperledger. Needs more documentation.
- Documentation improvements: Michael B and Stephen C
 - Need to review and prune out-of-date documentation (Alice / Faber treatment of pairwise DIDs is a key pain point)
 - Cloud Compass is building the Linux Foundation EdX courses for Indy and Aries
 - Overview launch date: November 21st
 - More content will follow
- New design for revocation / Anoncreds 2.0 (Mike)
 - Would be useful to have a comparison in performance between Anoncreds 1.0 and Anoncreds 2.0
 - Need a plan for changes to Indy Node
 - HIPE for overall changes, then a design PR for the changes specific to the different repos. <https://github.com/hyperledger/indy-node/tree/master/design>
 - BC.gov will implement the existing revocation capability in ACA-Py for use in constrained cases
 - Looking to build against Anoncreds 2.0 as soon as it is available.
 - Unable to contribute to the Anoncreds 2.0 revocation capability at this time - no resources for that work.

Main Business

- Define the pull request review process for Indy Plenum/Node
 - Review notes from [2019-11-18 Indy Contributors Call](#)
 - BC.gov team likes the process, and thinks it might be useful to use on the SDK as well.
- Consensus protocols in Indy
 - Besu uses BFT:
 - iBFT 2.0 (Istanbul BFT 2)
 - Clique
 - <https://besu.hyperledger.org/en/stable/Concepts/Consensus-Protocols/Comparing-PoA/>
 - Tested at 8 nodes.
 - Concerns with Aardvark versus RBFT
- Update on LibVCX support for Aries

Future Calls

- Indy performance analysis (BC.gov)
- Migration of Indy-SDK to Aries-Core
- Requirements question: IS-1099, should we allow duplicate credentials from the same issuer?
- Non-secrets in the Indy Wallet
 - Cam is working on pluggable crypto. The wallet shouldn't decide what encryption you should be using.
 - Use cases where we would want to move keys between wallets
 - Moving the link secret / credential data from one device to another (synchronized storage).
 - Debug use cases
 - Richard's hit other uses cases that were better solved with DID Doc, pre-signing, signing API.
 - Work-around with the web-crypto API

Action items

- HIPE #138, Issue #144 (Ken and Brent)
 - Create a PR for changing status to ACCEPTED
 - Check for an Aries RFC
- PR to RFC #0019 to compare pack/upack to msgpack (Sergey)
- Richard and Sergey will close old pull requests with a descriptive comment.
- Mike wants to review the 61 cases of "unsafe" libindy calls and figure out if they are justified.

Call Recording

Call was not recorded