

2019-09-16 Indy Contributors Call

Summary

- Reviewed decisions and information from previous calls.
- Answered questions
- Quick topics: non-secrets in the Indy wallet, future meetings, Ursa and AMCL, CI / CD, handling pull requests.

Timezone: US afternoon and APAC morning

We intend to record this call.

Remember the [Hyperledger Code of Conduct](#)

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Attendees

- Name (organization) <email>
- [Richard Esplin](#) (Evernym) <richard.esplin@evernym.com>
- Alan Krassowski (Kiva) <alank@kiva.org>
- Cam Parra (Kiva) <camilop@kiva.org>
- [Kyle Den Hartog](#)

Announcements

- Community project: Aries RFCs - [process to move HIPES](#); RFCs that have been moved [concepts](#) / [features](#) / [pull requests](#).
- Aries Workshop/Connectathon December 3-5 in Provo, Utah (details to follow)
- [Internet Identity Workshop](#) — want to coordinate demos
- Hyperledger [Maintainers Summit](#): Minneapolis October 8-10
- Bootcamp Russia: [Event Location](#)

Summary of Prior Call

Release Status

- Indy Node
 - August: 1.9.2
 - Bug fix release
 - Important bug fix for ledger corruption INDY-2211
 - Recovery complicated by <https://sovrin.atlassian.net/browse/SN-7>
 - September: 1.10.0
 - PBFT view change
 - Indy Node and Indy Plenum support for Ubuntu 18.04
- Indy SDK
 - August: 1.11.1
 - Finish Authors vs Endorsers
 - Finish proof of possession of payment address
 - Platform Updates: Ubuntu 18.04
 - September: 1.12.0
 - Fully qualified DIDs
 - Dependent on DIDDoc support? (Daniel's document and David Huseby's work)
 - Platform Updates: MacOS, CentOS
 - Future
 - GitLab migration alongside Jenkins (Foundation)?
 - Aries / Indy split
 - Anoncreds 2.0 (Sovrin Foundation, BC.gov?)
- Ursa
 - Working on release of 0.2.0 (September / October)
 - ZKP / ZKLang improvements
 - Debian packages


- Refactor internal plumbing for anoncreds 2.0, shouldn't impact external interfaces
 - Refactor multi-signature BLS in addition to aggregated signature
- Aries
 - Lots of progress on language libraries, frameworks, and agents.
- Indy Catalyst
 - Production deployment testing: volume loads.
 - Won't go live in production at BC.gov until October.
 - Not yet migrated to Hyperledger. Needs more documentation.

Work Updates

- 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 - Need to review and prune out-of-date documentation (Alice / Faber treatment of pairwise DIDs is a key pain point)
 - Michael is working on Indy Agent walkthrough using C#
 - Finishing work on ReadTheDocs (2 more weeks?)
 - Cloud Compass is building the Linux Foundation EdX courses for Indy and Aries
- SDK 2.0 architecture / Indy-Aries split (Sergey)
 - Kiva is working on a Futures implementation of threading (instead of call-backs) (<https://github.com/kiva/aries-sdk.git>)
- CI / CD: GitLab migration (Mike and Steve G)
 - Demos in the Identity Implementers WG calls
 - Hyperledger is also evaluating Azure Pipelines
- Advanced Schemas and W3C creds (Ken)
 - Can successfully write and retrieve the Context object from the node code. Will track through all layers up to Aries.
 - <https://github.com/ken-ebert/indy-node/commits/master>
 - 5 additional objects need to be added.
 - Working on the HIPE for the new Schema object.
- Warnings from rust cargo clippy (Mike and Axel)
 - IS-1270 through IS-1274
- 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
 - First draft is latex document in Ursa repo. Will be published as PDF and HTML.
 - <https://github.com/hyperledger/ursa-docs/tree/master/specs/anoncreds2>
 - 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>
- Getting Ursa artifacts published that can be used by Indy Node and Indy SDK (Mike and Cam)

Other Business

- Catch up on previous calls:
 - Should track exceptions to Indy Node review policy in the Git commit message.
 - New Auth rules: If a non-owner can edit the attribs of a DID or rotate a DID key, then is the DID owner actually an owner?
- Answered questions about the Transaction Author Agreement.
- Ursa and AMCL: Discussed in the Ursa call (August 21), but no decision yet.
- Architecture questions for Indy SDK, and progress on Indy / Aries split
- Handling pull requests.
 - How to handle old pull requests that failed DCO Checks? Close?
 - Closing the PR doesn't get rid of the work. The author can reopen at any time.
 - How to handle pull requests for IOS / Swift wrappers? Close and encourage the move to Aries?
 - How to handle pull requests for LibVCX? Deprecate?
 - Close PR <https://github.com/hyperledger/indy-sdk/pull/1048> as something that will be replaced by the advanced schema work?
 - HIPE pull requests: <https://github.com/hyperledger/indy-hipe/pulls>
 - Kyle will continue reviewing PRs, but does not want to be a bottleneck slowing down the process.
- Future calls:
 - Cancel the call September 30 for IIW
 - Cancel the call October 14
- Should we do another security audit?
 - Results from the last security audit: [Security Code Audits](#)
- Non-secrets in the Indy Wallet
 - Cam is working on pluggable crypto. They 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

 Unknown macro: 'lref-gdrive-file'

Future Calls

- Define pull request review process for Indy Node.
 - Should define the process, including how we handle exceptions (emergency fixes shouldn't be blocked, but would require notification)
 - What is important in a good review?
- Fully Qualified DID support in Indy SDK
- fuzzing libindy <https://github.com/AxelNennker/indy-sdk/tree/fuzzing/>

```
`cargo +nightly fuzz run fuzz_target_1 -- -only_ascii=1`
```

Worried about unsafe code in libindy

...

```
ignisvulpis@namenlos:~/development/hyperledger/indy-sdk/libindy$ find src -name '*.rs' -exec fgrep unsafe {} \; | wc -l  
61
```

...

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)

Call Recording



zoom_0.mp4