

# 2019-12-09 Indy Contributors Call

## Summary

- Work updates
- Update from the Aries Connect-a-thon
- Plans for migration of LibIndy to Aries

Timezone: Americas afternoon / APAC morning

We intend to record this call.

Remember the [Hyperledger Code of Conduct](#)

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## Introductions

### Attendees

- Name (Employer) <email>
- [Richard Esplin](#) (Evernym) <[richard.esplin@evernym.com](mailto:richard.esplin@evernym.com)>
- [Stephen Curran](#) (Cloud Compass/BC Gov) <[swcurran@cloudcompass.ca](mailto:swcurran@cloudcompass.ca)>

## Related Calls and Announcements

- Note the updated calendar invitation on the Hyperledger Calendar
- Call schedule
  - December 16 (US+EMEA): normal
  - December 23: cancelled
  - December 30: cancelled
  - January 6 (US+APAC): cancel
  - January 13 (US+EMEA): normal
- [ssimeetup.org](#) webinars
  - 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
  - December / January: 1.23.0
    - 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.
      - Next: encoding object
  - Future
    - Ubuntu 18.04 (Kiva)



Unable to render Jira issues macro, execution

error.

- Need to check additional dependencies:

- Replacing Indy Crypto with Ursa (Kiva)
  - Remove replicas (Aardvark BFT) ?
  - 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
    - Bug fixes
  - Future
    - Deprecating some docs (IS-1425: Getting Started Guides) and wrappers (IS-1423: Python and DotNet)
    - 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.
    - Happy with performance now.
  - 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

- Migrating LibIndy to Aries



Unknown macro: 'lref-gdrive-file'

- Indy Resolver becomes Indy-Aries-VDRI
    - Can wait to follow the DID-resolution spec, because the spec doesn't have enough detail today.
  - Indy Anoncreds becomes Aries-Shared-Creds-Anoncreds or Indy-Aries-Anoncreds
    - We prefer keeping it as a separate repo in Indy until another ledger shows interest.
  - Indy Wallet becomes Aries-Shared-KMS
    - Includes plugin interface
    - Aries-Shared-KMS-PostgreSQL
    - Aries-Shared-KMS-SQLite
- Other themes from the Aries Connect-a-thon
- Evernym can assist with:
  - Consensus
  - Revocation
  - Rich Schemas
  - DID Doc

## Future Calls

- January 13: Indy performance analysis ([BC.gov](https://bcgov.ca))
- 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
- Migration of Indy-SDK to Aries-Core

## 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/unpack 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



zoom\_0.mp4