

# 2020-02-03 Indy Contributors Call

## Summary

- Work updates
- Discussion of current projects
- Cancelling the AMER afternoon call going forward

Timezone: America afternoon / APAC morning

We intend to record this call.

Remember the [Hyperledger Code of Conduct](#)

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## Introductions

### Attendees

- Name (Organization) <email>
- [Richard Esplin](#)(Evernym) <[richard.esplin@evernym.com](mailto:richard.esplin@evernym.com)>

## Related Calls and Announcements

- Aries Working Group: Performance Testing LibIndy and ACA-Py
  - Presentation: [2020-01-22-B Aries Working Group Call](#) (starting ~65 minutes in)
  - Follow-up Q&A: [2020-01-27-A Aries Working Group Call](#)
- Identity Implementors Working Group call
  - Main place to get project updates, release status, and announcements.

## Release Status and Work Updates

- Indy Node
  - January:
    - Bugfix-release for edge cases in consensus protocol
    - 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 December
      - Making progress on other RFCs for objects and one that shows how all the objects fit together.
      - Next: encoding object, then mapping object
  - Future
    - Replacing Indy Crypto with Ursa (Kiva)
      - Debian packages for Ursa-0.3.0 are uploaded to [repo.sovrin.org](https://repo.sovrin.org)
    - Ubuntu 18.04 (Kiva)
- Indy SDK
  - January:
    - Bugfixes 1.14.2
  - Future
    - Anoncreds 2.0 (Sovrin Foundation)

- Need to check additional dependencies:



Unable to render Jira issues macro, execution error.

- 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
  - <https://github.com/bcgov/indy-catalyst>
  - Migrating to Hyperledger Aries: plan is to moving to aries-verified-credential-registry
    - Needs more documentation
- New design for revocation / Anoncreds 2.0 (Mike)
  - Need a plan for changes to Indy Node
    - Design: <https://github.com/hyperledger/ursa-docs/tree/master/specs/anoncreds2>
    - 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, starting with extracting anoncreds from libindy into indy-aries-anoncreds
  - Comparison of Anoncreds 1.0 and 2.0: [https://docs.google.com/presentation/d/18aqk5q1sqRI\\_UhOEuXWAS46-Oltsu\\_HNk\\_JtKfDVBGc/edit#slide=id.g790163706e\\_0\\_0](https://docs.google.com/presentation/d/18aqk5q1sqRI_UhOEuXWAS46-Oltsu_HNk_JtKfDVBGc/edit#slide=id.g790163706e_0_0)
- Aries Shared Libraries
  - indy-aries-vdr (Andrew Whitehead) <https://github.com/andrewwhitehead/indy-ledger-client>
    - Rust API is almost completed
    - No FFI
    - HTTP proxy
  - Next is indy-aries-anoncreds with anoncreds 1 (ready to add anoncreds 2)

## Main Business

- Move afternoon call to once in four weeks?
  - Should just cancel, and focus on the AMER / EUR calls.
- Keith: INDY-2305: Add IP address range for outbound TCP connections from validator nodes
  - Changes the way nodes are represented in the Pool Ledger
  - Next step: provide guidance to Keith on where the change should be made.
  - Should probably also change the Sovrin Steward Technical Guidelines to reduce the uptime requirements (uptime should be based on the pool, not individual validator nodes)
- Andrew:
  - Next steps on VDR
    - VDR Design Doc
    - FFI
    - Unit tests
    - Functional tests
    - Integrate into existing LibIndy
    - Migrate repo to Hyperledger
      - First commit should point to previous history in indy-sdk
- Aries-KMS
  - Would like a volunteer to move the wallet crate so we have a starting point
- indy-aries-anoncreds
  - Mike has started. Repo for aries cred exchange framework. <https://github.com/sovrin-foundation/aries-credx-framework-rs>
  - Microsoft might be taking a different approach to ZKP revocation <https://eprint.iacr.org/2019/550.pdf>
- Aries-Shared-Util
  - Need a place for Rich Schemas functions
  - Lift-and-shift would be Indy specific, but refactoring for Aries could take a long time
  - Overlap with Mike's aries-core-rs? <https://github.com/sovrin-foundation/aries-core-rs>
- Rich Schemas
- Mike: IS-1222 blocked by Ursa CI / CD
- Agenda for next call: work session.

## Future Calls

- Requirements questions:
  - IS-1099: anoncreds.prover\_get\_credentials\_for\_proof\_req should return per-credential timestamp
    - Should we allow duplicate credentials from the same issuer?

## 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



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