

Indy Interop-athon 2020 Notes

Primary Track Session

dHIDA and What Changes to Make, Where?

Facilitator(s): Andre Kudra, Dave McKay

Notes-taker(s): Adrian Doerk

Discussion notes, key understandings, outstanding questions, observations, and, if appropriate to this discussion: action items, next steps:

Session Notes

dHIDA: Decentralized Hyperledger Identity Development Alliance

A moral contract as commitment to contribute developer hours to Hyperledger Indy (and Aries and Ursa).

It is a moral contract which doesn't have any legal consequences. However, it is a moral obligation and for some this is a higher value than a legal one. No one wants to disappoint the community! But no legal obligations means no legal review cycles. It is just a written formulation of what the involved parties agree on. So, no need to hesitate, as we love to get many developers on board!

dHIDA Moral Contract - please sign up!

https://docs.google.com/document/d/1Lj74b8623JY2dBKv3F5n__v2M_3laxFKTicVjP9h6no/edit#

Thanks everyone! Counting on your sustainable dHIDA interest! Reach out to André Kudra at Sovrin (a.kudra@sovrin.org) or at esatus AG (a.kudra@esatus.com).

What changes to make, where? (For interop) (Not needed for interop)

Maintenance

- Migrate build system to github actions
- CI/CD improvements

DID Spec - Next month or two

- Did:indy method spec
- Did method string configuration plan

Ledger Node API

- Search and index ledger objects
 - Ensure State proof keys prove uncensored results
 - Add transactions that return needed data for each object type/criteria
- Ability to retrieve past documents (search API criteria?)
- Support what is required for the did:indy spec (see DID spec above)
- KERI interface specification
 - Can we refactor our transaction set to be more generic?
 - Support multiple witness groups?
 - Adapt INDY-style DIDs to look like KERI?

Credentials Protocol work

- BBS+ work - ZKP (see Mike's presentation)
 - Updated Revocation Registry object
 - Ursa crypto primitives
 - Updated Credentials and Proofs support
 - Backwards compatibility plan
 - Multisignature issuer support
 - Agent authorization policy objects
- Trust branded
- Multi-signed credentials - aggregate signature

Indy SDK & VDR Interfaces

- Ability to work with qualified DIDs (qualified everywhere) - references to name spaced networks (Core IndySDK)
- Ability for clients to interact with multiple networks in parallel - ** Verify **
- Link keys (group keys/property values to a DID) - storage
- Ability to reconfigure an existing network without resigning past transactions (fork ability)
normalization rules for ledger node storage are different than client wallet storage
- Ability to discover a network you have never talked about before
 - Envelope of "this is a new network" data/meta-data
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Aries

- DID resolver
- Handle multiple network support

Platform & Packaging

- Ubuntu 20.04 support
- Docker container repository

Monitoring/Deployment tools

Interop testing

- Test rig for interop testing

Action Items

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Parking Lot

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