

Identity Working Group Charter - Hyperledger Project

Introduction

An Identity is a dynamic collection of sets of attributes attached to an entity. In order to accrete trust and be useful for authorization, these attributes must be verifiably attested by other entities. It is a primary building block for Distributed Ledger Technology (DLT).

The purpose of the Identity Working Group is to discuss, research, and document ways to capture, store, transmit and use Identities on the DLT, specifically for the projects under the Hyperledger umbrella. The Identities can be of nodes that participate in the running of the DLT or entities that transact on the DLT.

Scope

The scope is limited to the various lifecycle events and use of Identity needed to securely participate in the Hyperledger Project DLT implementations. The group will focus on the functional details first, and subsequently work towards a reference implementation.

Work Products

The Identity working group will produce a document that will address an interface for a standalone Identity Component and its performance characteristics in keeping with the scope. This could include:

- Ways in which Identity can be established on the DLT
- Proofs of Identity
- Identity role for participants in the consensus and validation as well as in transactors.
- Life cycle events, bootstrapping, revocation/destruction, key recovery/updates/refresh etc.
- Migration of Identity from existing systems
- Providing transitive identity across blockchains and from/into legacy systems
- Techniques to retain privacy in various settings (private, semi-public or public)

The group will review, advise and learn from the architects and designers of Identity solutions being constructed under the Hyperledger umbrella. Using the defined interface and one or more available Identity solutions, the group will work toward creating a reference implementation of an Identity Component.

In addition the group will consult or advise the implementers of Identity solutions who wish to join the Hyperledger Project.

Collaborators

The relationship between the Identity Working Group and the collaborators listed below is not formal in any way. The collaboration is naturally stronger in the Intra-Hyperledger links viz. the

Architecture, Requirements, other working groups and the projects under the Hyperledger Project umbrella. Collaboration with standards bodies and other external solution providers are with the intent of learning from work already done in this space, influencing the rapidly developing standards, or coaxing them to build solutions that conform to the interface standards set in the Work Products:

- All Hyperledger Project working groups, the Architecture working group is the primary collaborator.
- All projects under the Hyperledger Project umbrella
- Similar groups or implementers across the industry
- Credential WG in W3C
- Verifiable claims use cases from W3C
- ID2020, the UN and its partners
- User Managed Access from the Kantara Initiative
- IETF OAuth and OIF
- OASIS SAML 2.0 for legacy bootstrapping and Interoperability

Process of the Group

The group is currently open to anyone who wishes to participate. There are frequent calls announced on the hyperledger technical and tsc mailing lists or any other medium that the TSC agrees on. There will be a chair or co-chairs depending on the work and availability of volunteers.

Whenever possible, all decisions should be by consensus of the attending parties, when the decision is significant, it will be transmitted more broadly to get a wider consensus. In case of technical disagreements, actual test implementations or parallels with other implementations, along with observations and other data will be used to drive toward consensus.

Transparency

Meeting minutes are kept online. The quality of these minutes depend on the contribution by the community, moderated by the chair. Audio recordings and presentations will be publicly available.

Amendments

Changes to this charter can be made if necessary by submitting a change request to the Hyperledger Project TSC and obtaining a supermajority vote from the TSC members.

Disbanding

After the completed version of the Identity Document is delivered, the group may be disbanded or go dormant until new Identity work items come up.