

Self-Sovereign Identity: Privacy, Security, Interoperability

Self-Sovereign Identity empowers users to hold their private keys on mobile devices, promoting data ownership and providing new opportunities for citizens to use their data. Blockchain provides an easy and efficient foundation. Employing decentralised identity, the scalable credentialing solution provides extensibility to other use cases in future phases across public and private sector. The solution is based on industry standards such as W3C Decentralised Identifier and Verifiable Credentials to maximize interoperability and adoption.

Claim

Claim is an open and verifiable standard that can represent any identity information. (For example: date of birth Jan 1, 1983)

Proof Generation

Owner of the claim can prove to another party that a claim is true, without revealing any information beyond the validity of the claim itself

Private Verification

Verifier can request any proof of the information contained in the identity claim and obtain guaranteed correctness without access to the private claim. (For example: is the claim owner older than 18 year? Y/N)

*...My name is Maria Alcantara
and I am born 14th July 1986*

... I am born 14th July 1986

... I am above 18