



Sovrin Foundation

Self-Sovereign Identity Network

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Security Maven



"On the Internet, nobody knows you're a dog."

Online, it's difficult to prove things about yourself.

The problem is that currently – identity **systems are silos** and thus focused on a narrow set of attributes for their own use.



**“The identity I stole was a fake!
Boy, you just can’t trust people these days!”**

Individuals are reliant on **identity providers** – such as governments and social networks – to **provide credentials** for personal use.

This creates a **fragmented system** of managing identity traits through **usernames & passwords** or data hoarding.

Economy Today

Governments exist to provide
services: licenses, permits,
registration. All done on paper.
This underpins the economy

Economy Today

Businesses exist because
governments register them and
allow them to operate

Economy Today

Commerce occurs. Only digital
form is buying stuff. Your data is
exploited for advertising

VALUE PROPOSITION

Need to extend trust of
business/government into the
digital realm.

VALUE PROPOSITION

Need to reduce the data hoarding problem. Only store what is necessary. Reduce costs and liabilities from protecting toxic assets.

VALUE PROPOSITION

The **Sovrin Network** is a
global public utility
enabling a new standard
for individual digital identity

SSI Benefits



PRIVACY

Zero Knowledge Proofs

- A person is able to prove a claim about themselves without having to reveal all the details of that claim.
- Example: using a driver's license to prove your age, Sovrin allows you to show proof of age—not every other bit of personal data on the license.



SCAL E

Interoperability

- Sovrin provides everyone the same language when communicating credentials of all types.
- When everyone is speaking the same language, the entire management of identity has been simplified.



SECURITY

Pseudonymous pairwise identifiers

- This solves the correlated data-identity problem—meaning, your data is separate from direct identifiers so that linkage to an identity is not possible.
- Even if you get the public key, you don't get the private key.

The Sovrin Foundation provides the **unbiased, nonpartisan** support to maintain the Sovrin Network as a **global public utility** for decentralized **digital identity**



Nonprofit
Foundation



Diverse Ecosystem
of Stewards



Current Use
Cases

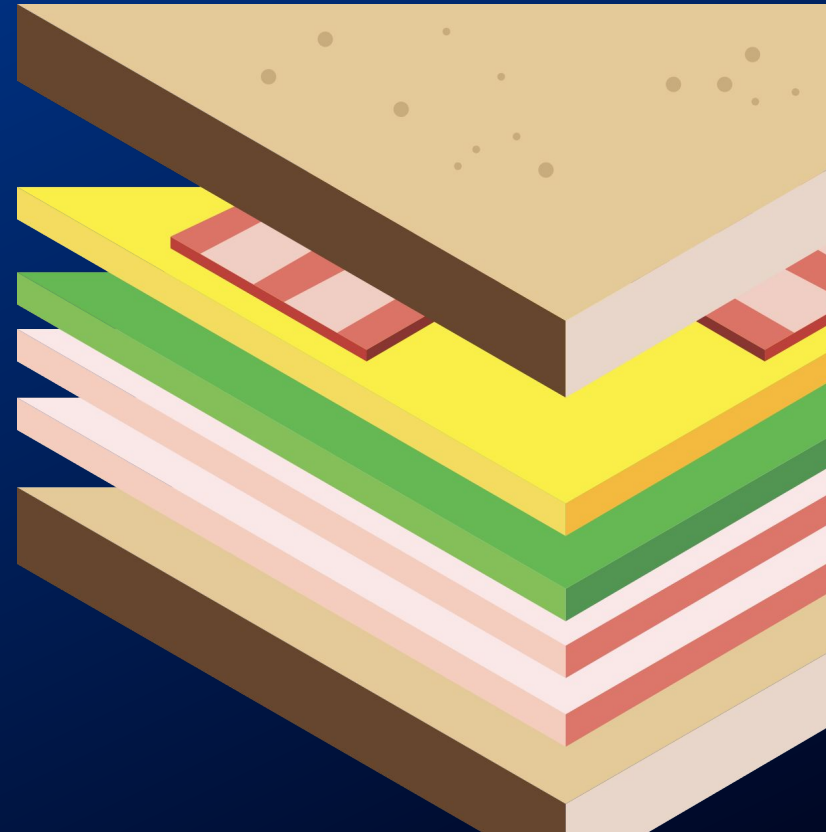


Open
Sourced

Business Policies

Legal Policies

Technical Policies



Foundation Stats



SEP 29, 2016

The Sovrin Foundation
Established

TECHNOLOGY

Sovrin Network,
Initial Hyperledger Indy code

201

7

Network Launched

501 c

4

In order for an identity to truly be decentralized, it must remain forever under the identity owner's control and never be subject to whims, weaknesses or future prospects of any centralized entity.

60

+
Number of
Stewards

20

Number of
Employees



Provo, UT

Pilot

S



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GOVERNANCE

The **Sovrin Foundation** provides
the governance helping the
self-sovereign decentralized
identity movement take place



DECENTRALIZED IDENTIFIERS

DIDs provide pairwise identifiers for every relationship to prevent correlation.

DID Descriptor Objects link DIDs to public keys and end points



VERIFIABLE CREDENTIALS

Allow third parties to provide identity owners with credentials they can use just like they do offline.



P2P AGENTS

Support creating relationships and sharing verifiable credentials in a decentralized way.



DISTRIBUTED LEDGER

Credential Definitions
Public DIDs
Revocation
Schema

HUMAN TRUST**LAYER FOUR**
Rules**LAYER THREE**
Credential Exchange
TRUST ANCHOR
CREDENTIAL REGISTRY
GOVERNANCE AUTHORITY
AUDITOR
AUDITOR ACCREDITOR**CRYPTOGRAPHIC TRUST****LAYER TWO**
Agent-to-Agent Protocol**LAYER ONE**
Sovrin Public Ledger
AGENT + WALLET

Connection

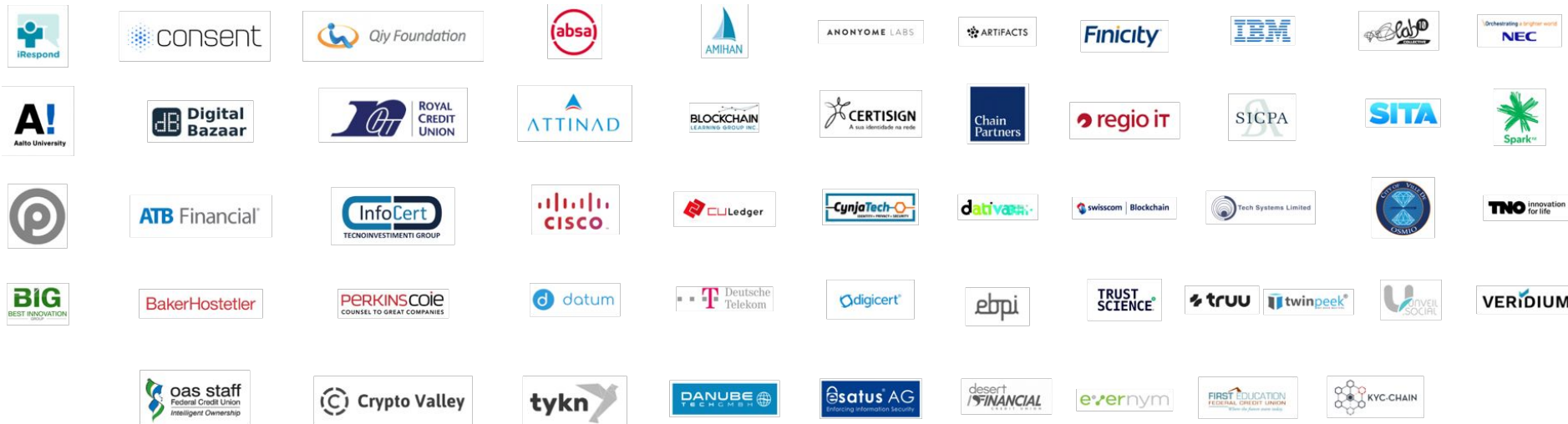

AGENT + WALLET**DIDs****PUBLIC BLOCKCHAIN**

Stewards



74 Approved as of 04.12.19

Go to: <https://sovrin.org/stewards/> for a complete list



A diverse ecosystem of trusted organizations responsible for operation of the validator nodes that maintain the Sovrin Network distributed ledger

The Sovrin Alliance

Ensuring the future of self-sovereign identity
requires a strong community.

The Sovrin Alliance brings together our vibrant community of
developers, enterprises, business and government leaders,
NGOs, Sovrin Foundation staff, and volunteers.



Community



Education



Awareness

- Launching an Alliance Developer Exchange dedicated to building SSI solutions
- Uniting SSI developers, enterprises, entrepreneurs, and advocates to collaborate worldwide
- Resources to support technical architecture, POC's, pilots, RFP's and use case business development

- Offering education and training for developers to implement SSI open source technology
- Establish an interactive learning hub for the SSI community
- Targeted SSI education and training for executives & business development professionals

- Leading the effort to promote interoperability among all platforms and blockchains
- Spearheading a global marketing campaigns elevating the overall awareness of SSI
- Promoting digital identity rights and privacy practices



**SOVRIN
ALLIANCE**

The most widely recognized,
vendor-agnostic international
non profit for advancement of
self-sovereign identity,
supporting the largest
community of SSI developers
and projects in the world.



Questions?



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Thank you