

# A Word on Policy-based Credential Disclosure in SSI

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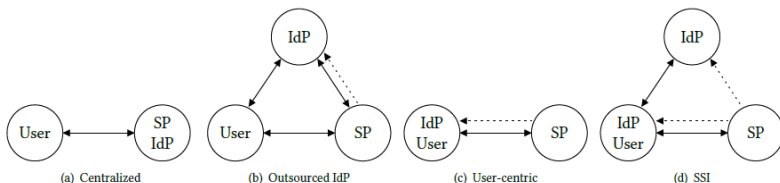
# IAM models

## Self Sovereign Identity

### SSI

**Self Sovereign Identity (SSI)** is a sovereign, enduring and portable identity for any person, organization, or body, that allows its owner to access all relevant **digital services** by using **verifiable credentials** linked to the identity in a privacy-preserving manner.

Unlike previous identity management systems where the service provider was at the center of the model, SSI is user-centric.

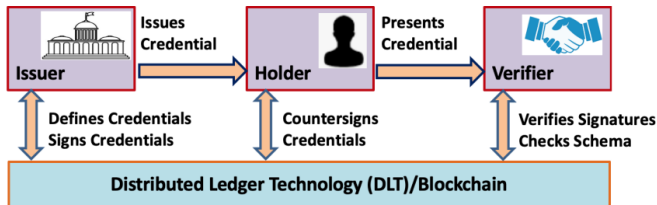


# Self-sovereign identity

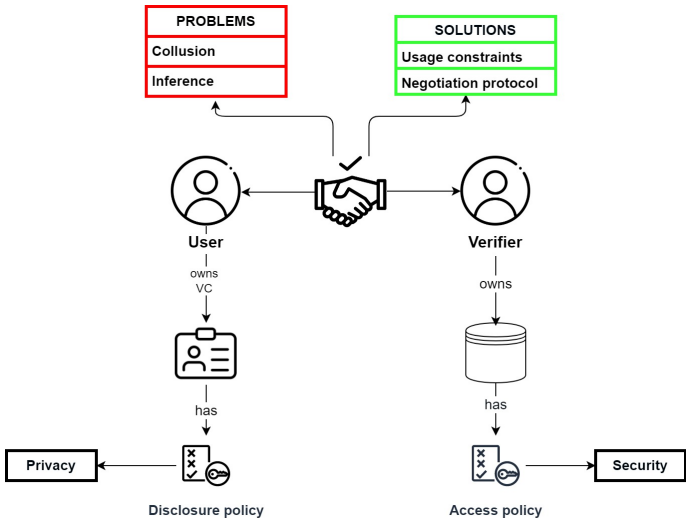
## SSI ecosystem

SSI ecosystem is composed by:

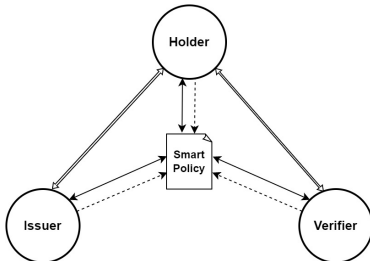
- **Issuer:** creates and issues credentials to a holder;
- **Holder:** receives credentials from an issuer, retains it and when it is required, it shares credentials with a verifier.
- **Verifier:** receives and verifies credentials presented by a holder.



# SSI issues

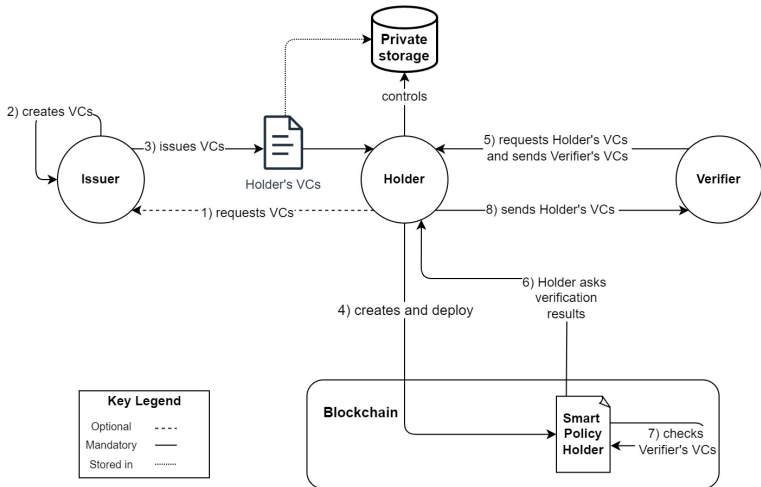


# SSI system with AC model



- **DAC model** where the **holder** creates the access policy;
- **ORCON model** where the **issuer (originator)** creates the access policy.

# SSI DAC model



# Future Works

- Define and detail **DAC/ORCON** schema;
- **Implementation** of these models;
- Possibility of using **ZKP** while exchanging credentials between user/verifier.

# Thank You !

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