WoT4LoA: Making Authentication Stronger and Cheaper with Web of Trust

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Motivation

• Increasing need for strong authentication
  • Access to scientific data and equipment
  • Compliance to regulation

• But, strong authentication is expensive
  • Not only tokens
  • Registration and ID-proofing too!

• And is not user friendly…
Authentication Triangle

USER

DIGITAL ID

CREREDENTIAL

1234567890
Authentication Triangle

No or poor registration and ID-proofing
Web of Trust

DIGITAL ID  USER  CREDENTIAL

Web of Trust
Attestation Service

- Collects attestations from the Web of Trust
- Validates the attestations
- Determines the authentication strength
- Communicates the outcome to the SP
How does it work?

1. Registration
2. WoT
3. Vouching Code
4. Helper Vouching
5. New LoA
6. Login + Access

Asker → Service Provider

Helper → Service Provider

Asker → Attest. Service
Helper → Attest. Service

Attest. Service → Service Provider
Want to know more?

- Contact Bob.Hulsebosch@Innovalor.nl
Authentication Triangle

GEBRUIKER

MIDDEL

DIGITALE ID

MIDDEL