

Make ID-cards easy, secure, and privacy preserving

This solution has been developed in cooperation with the Dutch Ministry of Justice and Security to make managing and verification of an identity easier and more secure for everybody.

The digital ID-card offers important advantages:

Much more efficient - digital card publishing and management is secure and much less time consuming.

Less susceptible to fraud - unlike a physical card, this digital card cannot be tampered with and easily be suspended or revoked in the event of loss or theft.

Better privacy protection - the physical card usually contains personal information, such as the full name, date of birth and sometimes even a personal identity number. Information that can be misused by malicious people. With the digital card, this data is only shared selectively.

Much more flexibility - purpose, period, place, space, function, of the digital pass can be adjusted online.

You can quickly and frictionless switch from physical cards to highly secure digital cards.

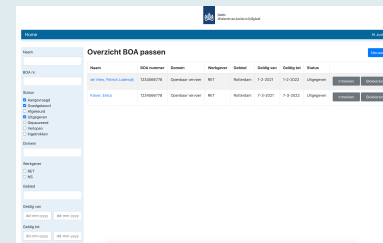
Creation and issuing of a secure digital identity

Privacy-preserving cardholder identification

Easy and secure verification by everyone by simply scanning a QR-code using just a smartphone

Seamless digital provisioning, adjustment, suspension or revocation of the tasks and rights associated with each digital identification card

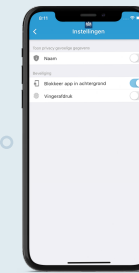
This is how it works:



1. Issue and manage your digital cards



2. Cardholder opts for showing their personal data.



3. Or without showing any personal data



4. Cardholder shows a QR-code to a third party



5. Validating the cardholder as a reliable and authorized person



6. In short: a recognizable, safe and verifiable digital identity

With this digital ID-card solution it is easy to switch from a document-oriented environment - with physical cards, forms and documents - to a fully digital environment, thanks to modern techniques, such as:

- **Digital Identities** based on Self-Sovereign Identities (SSI) to ensure the authenticity of transactions, such as issuance and use, and accountability in case of misuse
- **Biometrics** for the personal authentication of the cardholder when using the digital ID-card app. The biometric information stays on the user's smartphone and is not shared anywhere
- **Verifiable Credentials** for independent authentication and thus confidence in the data and permissions. Only the cardholder can share the data with third parties
- **Selective disclosure** enables only the cardholder to share the data with third parties and to select what data to share, and what not to share
- **Zero Knowledge Proofs** for the secure and selective sharing of data while protecting the privacy of the cardholder and yet with proof of authenticity of the data
- **Blockchain** for ensuring the immutability of data and transparency of mutations

Flexibility:

Flexibility in Usability

- Set and adjust validity for specific goals, time periods, places, rooms, functions, etc.
- Possibility for (temporary) adjustments or withdrawals and recovery thereof

Flexibility in Authentication

- Real-time authentication possible with your own or external systems
- Links with your Identity & Access Management (IAM) systems
- Many connection options for back-office systems, such as Application and Authorization processes

Flexibility in Verification

- Selective sharing of specific data, documents, evidence, etc. by the cardholder
- Verification is possible with any standard smartphone via a QR-code
- Options for offline verification
- Connection options for verification with your own or external systems are also possible

Our platform:

Scalable

- A Microservices based SOA-architecture
- With mobile Apps for iOS and Android

Available as a SaaS-solution

- Running on Microsoft Azure environment
- Using Microsoft ION self-sovereign, decentralized identity system
- Can be seamlessly integrated with your own infrastructure, storage systems and Identity & Access Management systems



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