TrustBuilder

enhansa

docbyte

athumi
het Vlaams Datanutsbedrijf

randstad

Conclusions & Demonstrator

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24/2/2025

IDLab
INTERNET & DATA LAB

imec-mict-ugent

Publications

8 published, 3 submitted

De Mildt, M. The business models of Solid-based data sharing, short abstract of a talk at BDSA life long learning session, Brussels, June 20th 2024. https://solidlab.be/wp-content/uploads/2024/07/BDSA-LLL-Session-3-The-business-models-of-Solid-Based-data-sharing.pdf

Theys, T. et al. Enhancing users' attitudes towards webids : exploring the effects of persuasive messaging on user adoption : an experiment exploring the effects of persuasive messaging on the user adoption of WebIDs. Mensch Und Computer 2023. https://doi.org/10.1145/3603555.3608559

OSLO Leerprestatiecredential (applicatieprofiel). Dec 2023. https://data.vlaanderen.be/doc/applicatieprofiel/leerprestatiecredential/

Steinbach, J. et al. Inter-pod credential exchange protocol via linked data notifications. 2nd International Workshop on Semantics in Dataspaces. May 2024. https://ceur-ws.org/Vol-3705/short04.pdf

De Mildt, M. The added value of using Solid data pods in a lifelong learning context, BDSA Day, Brussels, May 27th 2024. https://solidlab.be/wp-content/uploads/2024/06/The-added-value-of-using-Solid-personal-data-pods-in-a-life-long-learning-context.pdf

Theys, T. et al. Solid-enabled personal online data stores : uncovering UX implications for online data management. Human Systems Engineering and Design: Future Trends and Applications. Sep 2024. https://doi.org/10.54941/ahfe1005533

Verbrugge, S. et al., Data Spaces Business Models, International Data Spaces Association, 2024. https://doi.org/10.5281/zenodo.14101303

Verbrugge, S. Data spaces business models, Global Data Spaces connect, Vienna, Austria. Nov 13th 2024.

Pseudonymity in Decentralized Data Sharing: Pseudonymous WebIDs and Decentralized Identifiers - Submitted

The Data Clearinghouse: an Access-Based Data Sharing Perspective - Submitted

Initial Comparison of Standardized Verifiable Credential Crypto Suites - Submitted

Ideal scenario - JobMatch

Lea is looking for a job, and uses a new HR application (JobMatch) to help her find it.

She only shares the minimal information needed to go through the selection process.
Once Hanna (the recruiter) selects suitable matches, Lea is invited to share her full profile to ease the hiring process.
During the entire flow, both Lea and Hanna are strongly authenticated,

each interaction is double-checked with the active policies,

only authentic data is shared, and

minimized where possible.

Demonstrator scenario - JobMatch

Lea is looking for a job, and uses a new HR application (JobMatch) to help her find it.

Scenario validated by Randstad Group

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Once Hanna (the recruiter) selects suitable matches, Lea is invited to share her full profile to ease the hiring process.

During the entire flow, both Lea and Hanna are strongly authenticated,

Combining TrustBuilder and Itsme

each interaction is double-checked with the active policies,

Enhansa could check all TrustBuilder-authenticated interactions

only authentic data is shared, and

MAGDA data via Athumi pods, re-signing needed for selective disclosure

minimized where possible.

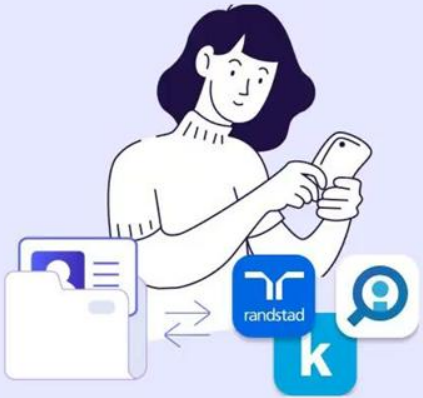
Via DocByte, filtering data yes, transforming data no.

Matcher Platform

sharcs.ilabt.imec.be/jobmatch/

Jobmatch
Een job vinden was nog nooit zo eenvoudig.

1. Haal **moeiteloos** jouw professionele gegevens zoals jouw diploma's op.
2. Wij **matchen jou anoniem** met jobs op basis van jouw gegevens.
3. Start je **nieuwe job**!



Login bij Jobmatch

Login als Kandidaat

Login als Recruiter

Conclusions

We built an **end-to-end demonstrator** showcasing an HR use case for secure data sharing, taking identity, authorization, and data minimization into account.

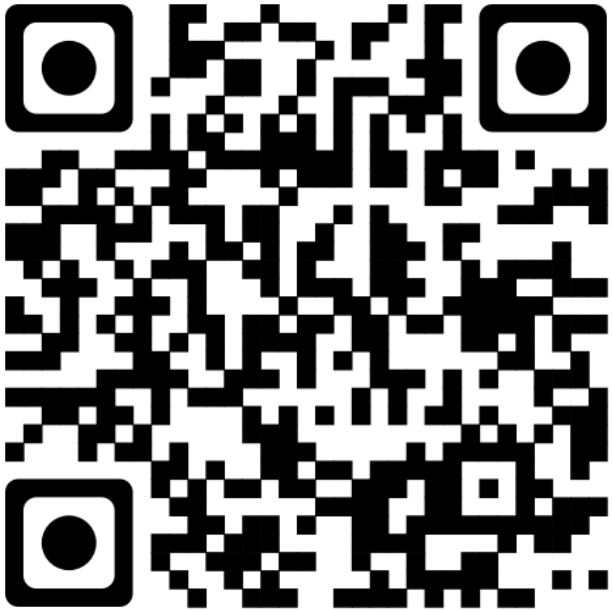
We **better understood user engagement, legal boundaries, and business opportunities**.

The Solid monitor showed that **HR is a very good use case** to create Solid prototypes, hence the will of intention of end-user is deemed very high for the SHARCS use case.

We hit some walls. As expected. **More research is needed** to improve and align the used technologies with other relevant projects such as the EUDI wallet and EBSI.

Like to know more?

Read our white paper at https://solidlab.be/sharcs/!



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SHARCS

https://solidlab.be/sharcs/

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