An interoperable and cross-border solution for students through SSI

How EBSILUX is using Self-Sovereign Identity to create interoperable and cross-border verifiable diplomas for the University of Luxemburg together with walt.id.

About the Project

In 2020, the Ministry for Digitalisation of Luxembourg, Infrachain a.s.b.l., the Luxembourg Institute of Science and Technology (LIST) and the Interdisciplinary Centre for Security, Reliability and Trust (SnT) have partnered to develop the EBSILUX project.

The EBSILUX project is integrating Luxembourg into the European Blockchain Services Infrastructure (EBSI) and implementing a European EBSI diploma use case at national level, leading to the completion and functioning of the internal market in support of the competitiveness of the European economy.

The Challenge

Luxembourg has made student mobility, multilingualism and international cooperation one of its priorities. An interoperable, cross-border solution is therefore essential for Luxembourg. Digital diplomas alleviate widespread concerns about users' lack of facility and "digital literacy", because they are typically issued to a young and educated portion of Luxembourg's residents.

Currently, the process is paper-based and is subjected to the risk of fraud which could potentially harm the universities' reputations.

As part of EBSI's "Early Adopter Program", the project team decided to use "Self-Sovereign Identity" or "SSI" as a user centric solution. The goal is to give students the control over their diplomas and the freedom to share their accreditation with whoever and whenever they wish.

The Solution

The project team screened the market for solutions that would allow them to adopt SSI fast and without much complexity. Specifically, they looked for a solution that is

- open source under a permissive license (e.g. Apache 2),
- compliant with EBSI and the new EU identity standards (ESSIF),
- cutting edge technology that is evolving

- easy to use and implement

Walt.id checked all the boxes and with that, the project team decided to use walt.id's open source solutions and work closely with its team of experts.

The Results

The diploma use case encourages the use of digital academic certificate records in Luxembourg to provide transparency and trust between schools, universities, students and employers. The project consortium has successfully created a high-level architecture for the project. Currently, it is working on the first MVP (minimal viable product) which is to be finished in June 2022.

The goal is to start the implementation phase after the MVP and to integrate a mobile wallet for all types of diplomas.

"The walt.id team is very helpful, reactive and experienced.

Following a strong market study made at the beginning of our project, we believe we have made the right choice to work with walt.id"

Thierry Grandjean

Senior Engineer LIST

"From the perspective of the EBSILUX project, working with walt.id scales up the integration of the project with EBSI compliant wallet requirements as walt.id is almost reaching the complete compliance cycle."

Adnan Imeri

Technical Lead, Infrachain

Ready to get started?

Contact us

... or get in touch with EBSILUX experts and project team

Walt.id develops Self-Sovereign Identity (SSI) solutions for businesses and governments across industries.

Developers and organisations rely on our open source products as an easy and fast way to use Self-Sovereign Identity - including Europe's new digital identity ecosystem based on the EU Blockchain and the EU SSI Framework (ESSIF).

To ensure client's success, our industry-leading experts provide holistic services including from conception over the implementation of pilots and production system to enterprise support and managed cloud services.

For more information visit **www.walt.id** or get in touch via **mail**.