Interreg
Cofinancé par l'Union Européenne
Medegefinancierd door de Europese Unie
France - Wallonie - Vlaanderen

CrossS3
SecuWeb

Practical uses of SecuWeb Technologies

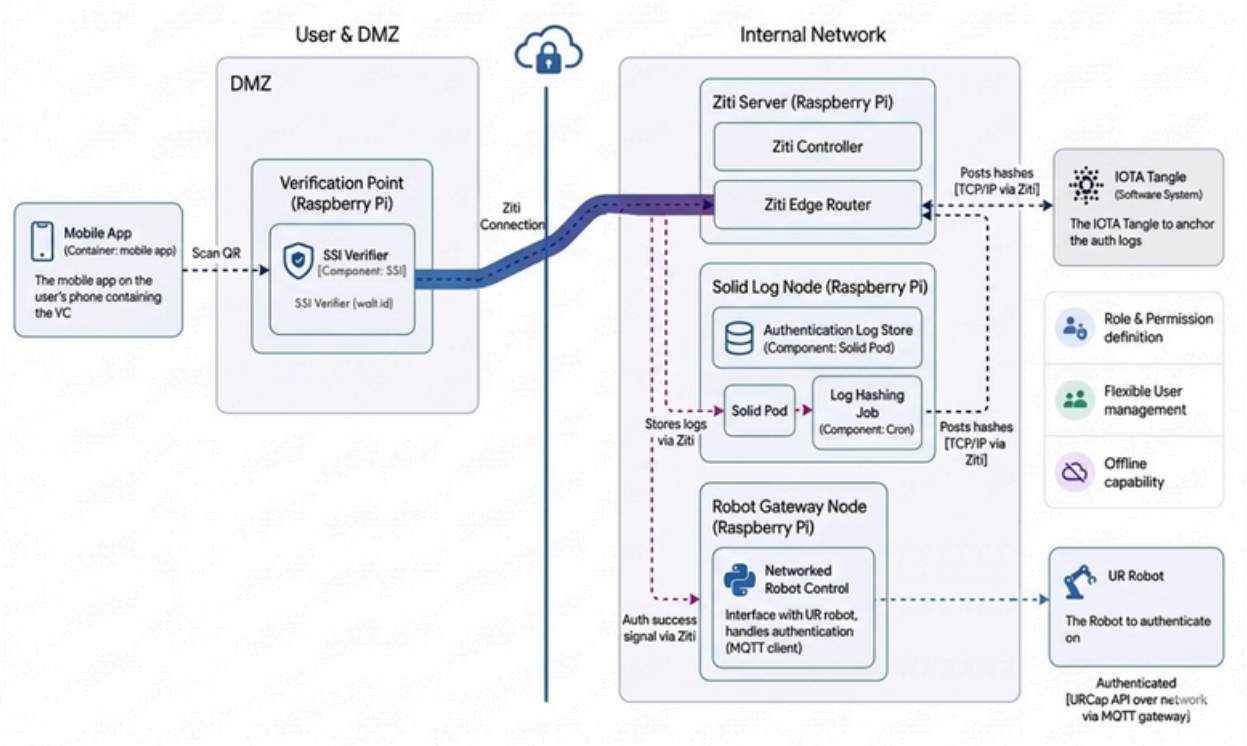
Secured access to computers, database, machine, or facilities

Demonstrator for Secure, trustworthy, trace-trackable access control and identity management

The demonstrator developed (TRL3-4) provides a robust and easy method for setting up access authorisation of a trusted external company and authenticating verifiable credentials from this partner's users. It enables both secure authentications based on public-key cryptography and user roles definition embedded within the verifiable credential.

The demonstrator consists of 2 parts: one is a "wallet" mobile application, which stores the user credentials and contains a QR code scanner. The other part is the verifier application that provides the verification QR code. When the QR code is scanned by the wallet app, it searches for the matching credential and provides it to the verifier which authenticates the credential digital signature and opens access to the IT System.

Distributed Multi-RPi Zero Trust Robot Authentication with OpenZiti



Blockchain is a decentralized database that records data and its history transparently, eliminating the need for central authorities and increasing trust. Blockchain also enables Self-Sovereign Identity (SSI), which allows individuals to own and control their digital credentials.

Contacts:

SIRRIS: Annanda.rath@Sirris.be
HOWEST: wim.van.renterghem@howest.be