

LSSI Demo Executive Summary

Introduction

This paper summarizes the LSSI Demo including:

- Demo storyline
- Demo components
- Demo costs

Readers should view “LSSI Executive Summary” - <https://hvl.net/pdf/LSSIExecSummaryMar92021GH.pdf>.

Demo Storyline:

Jane Doe has a partner, Sally Smith, and a child Mary, via a sperm donor, Jim Black. When Mary’s born, her fingerprints were obtained, along with her legal identity information including her identity relationships to Jane, Sally and Jim. This was written not only to the CRVS, but also to Mary’s legal self-sovereign identity (LSSI) Toda file, both physically (via an identity card) as well as digitally. Jane and Sally, in their own LSSI Toda files, are authorized to control Mary’s legal identity and their data. Mary’s LSSI Toda file is cross-linked to both Jane and Sally’s LSSI Toda files.

Jane takes Mary for her first vaccination. She presents both her and Mary’s LSSI Toda file, either physically or digitally, with Jane’s consent as the parent, to prove their legal identity, plus their relationships. The health care worker might or might not be required by local laws to obtain their biometrics to compare to the ones on their LSSI Toda file. After confirming their identities, the health care worker vaccinates Mary, writes the vaccination information into Mary’s health system record which, in turn, writes the vaccination information to Mary’s Toda file. As well, the consent given by Jane, on behalf Mary to release her legal identity information plus agree to the vaccination, is written to Mary’s Toda LSSI file. This same process can be used for registering Mary in school, etc.

Mary wants to use an AI/AR/VR environment. Jane Doe only agrees, on the condition, Mary’s anonymous identity is used, and no storage of her behavioral/biometric data is allowed. She presents her LSSI Toda file to the system, proves her legal identity relationship to Mary, presenting Mary’s legal anonymous identity, authorizing the system to only use her anonymous identity. The consent Jane gives to the system is written to Mary’s LSSI Toda file. The point is consent is recorded for each identity and/or their biometric/behavioral data, in each person’s LSSI Toda file, from cradle to grave.

Jane takes Mary to spend 3 weeks with her parents. She authorizes them, via her Toda LSSI file, to administer portions of Mary’s legal identity, behavioral and biometric data, for the three weeks. The authorization is also recorded in her parent’s LSSI Toda files plus Mary’s Toda LSSI files.

Jane's walking down a street wearing AI/AR glasses. She has pre-set her PIAM (personal identity access management) system to only broadcast out her LSSI Toda file of anonymous, plus from her other Toda files, her clothing sizes, styles, colour preferences and price points to women's clothing retailers. As she comes up near a store, the store takes in the information, and sends to her AI/AR glasses an ad showing Jane in the clothes. She might or might not walk into the store.

Jane wants to respond to a advertisement. She might only release from her LSSI Toda file she's a human. Or, she might want to offer varying degrees of information ranging from country, city, address, legal name, etc. The advertiser pays more for more detailed information.

Jane and Sally tragically die in a car crash. Mary's legal guardian changes to Jane's parents. The guardianship legal change is written by the jurisdiction's authoritative sources to not only the grandparents and Mary's Toda LSSI files, as well as changing the status of Jane and Sally's LSSI Toda files. The executor of their estates, can act legally on the deceased's behalf, via changes to the executor's Toda LSSI files plus Jane and Sally's Toda LSSI files.

Mary wants to enter a bar. She'll present her LSSI Toda file, only authorizing showing she's above age of consent anonymously, as well as providing her consent to show a face image from the LSSI Toda file. The system at the bar door then instantly compares Jane's face to the one provided, checks she's of age of consent, and lets her in. The consent is written to Mary's LSSI Toda file.

Demo Components

- Small CRVS database
- Fingerprint and Iris readers
- Toda LSSI files
- Legal identity card containing LSSI Toda file
- LSSI Digital app on phone containing LSSI Toda file
- Kantara User Managed Access Protocol
- AI/AR glasses
- Coding for the above to enable the storyline to occur

Demo Costs

A budget has been prepared estimating total costs to be:

- \$350,000
- Optional video with a cost of \$100,000

Demo Timeline:

2 months