

Press Release: Monday, 21<sup>th</sup> June 2022

## Next step of security on the edge and in Data Spaces

**“Making Data Spaces even better with new security features” is the mission claim of the truzzt Alliance, which present the state-of-the-art Data Space for mobility on the 10th edition IoT Week in Dublin 21th June.”**

The truzzt Alliance recently won the Mobility Data Space (MDS - <https://mobility-dataspace.eu>) tender in Germany and is now providing the industry-grade data space infrastructure for the next chapter of mobility in Germany. This serves as a role model for both the implementation of further mobility dataspace across Europe and data spaces in other domains like health, finance and so on. The goal is to combine data from national access points NAP (mainly public transport) and private mobility providers, as well as context-relevant static and real-time data, in a single marketplace.

The truzzt Alliance, a collaboration between IONOS, Atos and orbiter Data Spaces, sets a new benchmark for secure data operations based on INTEL SGX technologies (<https://github.com/intel/linux-sgx>). Based on a hands-on demonstration, the alliance will showcase the implementation of IDSA Connector, truzztbox and SGX Enclave in a real-world scenario during IoT Week in Dublin

The Mobility Data Space also uses the on-chip Intel SGX: enclave to process and send data in cloud-federated Data Spaces. It ensures the highest standards for confidential processing of any data, especially sensitive data, and enables and enhances an integrated data exchange ecosystem that connects data providers and data consumers via hardware-based controls from the Web to the edge to the device.

The inaugural session in Dublin will be moderated by Olaf-Gerd Gemein, Business Architect at orbiter Data Space. "Today is an important milestone in delivering an industry-ready implementation of concepts that build on a decade of technical developments and stakeholder governance - namely the broker and connector concepts included in Data Spaces' IDSA architecture and the federation concept of Gaia-X" - all built on standardized protocols such as ETSI NGS-1, also known as Connecting European Facilities (CEF) building block and Minimum Interoperability Mechanism 1 (MIM) and widely accepted data models such as NeTEx, Datex II, GTFS and SIRI (Transmodel).

**IONOS**, a global provider of cloud infrastructure, cloud services, and hosting services as the largest cloud and hosting provider in Europe, is committed to the next step in confidential computing. Rainer Sträter, senior vice president, cloud development and digital ecosystems at IONOS, said: *“Secure, IDSA standards-based, Intel SGX-enriched data space infrastructure integrates seamlessly with our GDPR-compliant and European-made cloud platform. Jointly, we enable the rapid growth of data-driven business models.”*

**Atos** will leverage the integration of this technology framework as a system integrator in a wide range of implementations not limited to the mobility sector. Klaus Ottradovetz, vice president of global service delivery at Atos, said: *“In line with our engagements in the International Data Spaces Organization and Gaia-X we want to bring in our expertise in cybersecurity solutions that integrate multiple systems and work across IT/OT and the mobile connectivity to create trusted and secure applications and platforms.”*

A practical use case will be presented live during the session: The Sharing Key and Edge Device for cars developed by Witte Digital was recently integrated into the Mobility Data Space by orbiter. Hannes Bauer, also managing director of **truzzt**, which hosts the truzzt Alliance, said: *„The flinkey box is super easy to use, thanks to the intuitive management platform including truzztbox with IDSA standard and*

*intel SGX hardware security, you can start managing your vehicles quickly and securely. All authorized users can then securely open and lock the assigned vehicles with their smartphone. Intel® Software Guard Extensions enables companies to leverage the benefits of Confidential Computing and allows data owners to remain in control of their sensitive data. The truzzt Alliances platform for demonstrates how Intel® SGX can help to deliver the security foundation needed to build and deploy a new era of dynamic, privacy preserving Mobility Data Spaces. Intel® SGX offers hardware-based memory encryption that isolates specific application code and data in memory which allows the platform to allocate private regions of memory, called enclaves, which are designed to be protected from processes running at higher privilege levels.”*

The implementation of the **Mobility Data Space** as a fully-fledged and secured environment for the mobility ecosystem is now becoming a reality. Michael Schäfer, managing director of the Mobility Data Space (<http://www.mobility-dataspace.eu>) said: *“The Mobility Data Space is a secure data marketplace where partners can exchange data in a self-determined manner to enable or further develop new mobility concepts. The data is not stored at the MDS but exchanged directly between the participants. In this way, each participant can determine for themselves who may receive the data and under what conditions. Key for success is trust between trading partners and security when shipping and processing data. The technical concept of the MDS is being developed in coordination with European and national initiatives to ensure compatibility with the Gaia-X projects and other European data spaces.”*

Visit us at:

June, 21th, 1:45 PM – 3:00 PM

IoT Week 10th edition, 75 min Panel, Presentation & QA

Croke Park Conference Center

Hogan Mezzanine 2

Dublin, Ireland, EU

Theme: From Data Spaces to Trustworthy AI – Designing Data Spaces in Real Life

Tags: Mobility, Data Spaces, trust, SGX, Security