IDSA activities on architecture and standards in data spaces
22 June, 15:15 – 16:30

Silvia Castellvi
Senior consultant (IDSA)
The IDS-RAM defines fundamental concepts for:

• Data sovereignty
• Data sharing
• Data Exchange

The IDS-RAM focuses on the generalization of concepts, functionality and overall processes involved in the creation of a secure “network of trusted data”
Reference Architecture Model

**IDS-RAM 4.0**

- Necessary updates and refinements for IDS Certification go live
- Adoption of cloud concepts
- Refinements on core topics, e.g. Usage Control and Data Governance
- General updates and enhancements to get closer to completeness
- Online first approach, including an open contribution model

*Figure 1.2: General structure of Reference Architecture Model*
Reference Architecture Model

**IDS RAM 4.0 repository in GitHub**

You want to design the IDS-RAM in future? You can start right away!
The Magic Triangle

**IDSA as reliable base for data spaces**

- **IDS Reference Architecture**: Blueprint for data spaces with detailed specifications
- **IDSA Rulebook**: How to implement IDS in the real world
- **Certification Scheme**: 3rd party conformity allows for an informed decision about the trustworthiness of partners and components in a data space
- **Portfolio of open source building blocks**: Bring IDS in commercial set-ups

» Guarantee **interoperability** in data spaces and between data spaces

» Holistic **governance** to run data spaces

» Reliable foundation for **commercial offerings** (including clear lifecycle, change management, versioning)

» Ensure **trust** in data spaces
Win 20,000 EUR towards your certification

For limited time only. Apply to the call for participation:
www.ids-certification-award-2022.org
**IDS standardization roadmap**

**IDSA standardization activities**

IDSA standardization group is a committee of standardization experts, hubs, national SDOs... that will support IDSA standardization activities and the family of data spaces standards, in general.

**Objectives:**

1. Contribute to the standardization promotion and pre-standardization activities
2. Align all standardization workstreams, projects and initiatives
3. Influence on standardization committees.
4. Organize standardization workshops
Standardization

Way forward

- DIN SPEC 27070 published in December 2019 by DIN
- English version available
- Start Fast Track program to ISO Standard
- Preferred: ISO/IEC JTC1/SC27 \( \Box \) SO/IEC 27070 (number may change)
- The Content of the DIN SPEC shall not be changed. We need acceptance by the majority of the members of the Working Group. We have to address this at our international members and liaisons
- Next Steps: Additional standardization activities with regards to data spaces
Standardization

TRUSTS IDSA – W3C workshop on semantic interoperability

Workshop: Data Spaces & Semantic Interoperability
Requirements, standards, certification, tools, licenses and more
3rd of June 2022, 9 am – 4:30 pm CEST | Vienna, Austria

in cooperation with
PARTICIPATE IN THE OPEN DEI BUILDING BLOCKS SURVEY
Contribute to the success of OPEN DEI in designing the future of data spaces

Objective
To evaluate building blocks of data spaces and work on the harmonization of data spaces.

How to participate?
Fill out a form to share your thoughts and experiences with us. This information will be shared and commented within experts in three workshops.

Workshops
- Kickoff meeting: 30th June, 14:00 - 15:00 (GMT+2)
- BB assessment
  - 1st meeting: 21st July 14:00 - 15:30 (GMT+2)
  - 2nd meeting: 1st September 14:00 - 15:30 (GMT+2)
- OPEN DEI TF1-IT2 Webinar: 16th September

The final results extracted from the meetings will be published under the IDSA's Github page.
Thank you!

Find more:
www.internationaldataspaces.org
M13 IoT Week exhibition
Silvia.castellvi@internationaldataspaces.org

iotweek.org