

FIWARE and Prometheus-X Join Forces to Build an Open Source, Interoperable Data Space Stack

Berlin, Paris, March 10, 2025 - [FIWARE Foundation](#), the non-profit organization that encourages the adoption of open standards using Open Source technologies for the development of smart solutions on a global basis, and [Prometheus-X](#), an association developing open source dataspace components used in several industries (education, media, legal, tourism) are proud to announce a strategic collaboration to propose a **relevant, complete, open, and interoperable data space stack**. Instead of fostering competing solutions, both organisations have chosen to **augment each other's strengths** and ensure seamless interoperability while growing our respective communities.

A Unified Data Space Stack for Trust, Interoperability, and Innovation

This **data space stack** will integrate and support components already available from both communities:

- **GAIA-X Trust Framework** – for trusted identities
- **Dataspace Protocol** – enabling trustworthy publication of offerings, contract negotiation and control of data exchange, compatible with relevant industry standards, with support of TM Forum bindings
- **OID4VC** - supporting decentralized Identity Management and Authentication in M2M and H2M scenarios, in alignment with EU Digital Identity recommendations
- **ODRL-based Authorization** - supporting enforcement of policies expressed in ODRL
- **Trust Framework for Data Rights** – ensuring transparent data governance
- **End-to-End GDPR Compliance** – including personal data and consent management
- **Service and Data Chains** – enabling seamless orchestration of data services
- **Enhanced Interactions with Data Intermediaries** – improving data exchange mechanisms
- **Data Plane Standardization** – ensuring scalability and full interoperability

Chandra Challagonda, CEO of FIWARE Foundation, commented: *“Data spaces are the backbone of an open and sovereign digital economy, enabling trusted and interoperable data exchange across industries. This collaboration between FIWARE Foundation and Prometheus-X reinforces our commitment to delivering a complete, standards-based data space stack that drives innovation, compliance, and scalability. By integrating our strengths, we expand the FIWARE Community, empowering organizations to thrive in the Data Economy. This partnership unites developers, businesses, and public institutions to shape the future of open, truly interoperable, scalable, and sustainable data spaces through open-source collaboration.”*

Matthias De Bièvre, President of Prometheus-X, added: *“To achieve European digital sovereignty and innovation, we need a sovereign and fully functional data sharing infrastructure. By combining the innovative data space stack we have at Prometheus-X with components from FIWARE we bring to the market and industries the infrastructure Europe needs to power the European vision of AI; so that data can be shared and AI can empower people and organisations.”*

Enabling Seamless Integration and Cross-Compatibility

To ensure a smooth and robust integration of the technologies both organisations are aiming to realise the following strategic steps:

- FIWARE and Prometheus-X will make their dataspace connectors interoperable.
- Prometheus-X and FIWARE will collaborate on ODRL based authorization management, to provide highly configurable policies for providers.
- Prometheus-X will integrate FIWARE components, such as decentralized identity management and TM forum contract negotiations, into its dataspace solutions.
- FIWARE will integrate Prometheus-X components for personal consent management, service chain management, and support of interactions with data intermediaries to enrich its connector offerings.

This data space stack leverages relevant standards and industry body specifications that, among other things, will bring full support to EU Digital Identity requirements and compatibility with the [DOME](#) (Distributed Open Marketplace for Europe) lighthouse project by the EC.

Building a Stronger Developer Community

This collaboration is not just about technology—it’s about people. By aligning FIWARE and Prometheus-X data space stacks, developers from both communities will come together to build the next generation of data spaces. We invite other developers, organizations, and innovators to join this movement and contribute to creating a robust and complete data space stack.

Join a Milestone Event in June

In June, FIWARE and Prometheus-X will host a dedicated event to demonstrate the progress of this collaboration and showcase the first integrated implementations. We invite all interested stakeholders to participate, contribute, and help shape the future of interoperable data spaces.



For more detailed information and opportunities to join this effort, please contact us:

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About FIWARE Foundation

Together with its members and partners, [FIWARE Foundation](#) drives the definition, and the Open Source implementation, of key open standards that enable the development of portable and interoperable smart solutions in a faster, easier, and more affordable way, thus avoiding vendor lock-in scenarios, whilst also nurturing FIWARE as a sustainable and innovation-driven business ecosystem. Serving diverse domains, FIWARE is leading the world in Open Source technology for the digitalization of smart cities and regions.

The foundation achieves this through its offering of reference architectures, standard building blocks, roughly **1,200 Smart Data Models**, standard APIs, its **44 Innovation Hubs (iHubs)**, the FIWARE Marketplace, and the support of a fast-growing global community that shares a common vision and combines their efforts toward making FIWARE the Open Source technology of choice for industries, governments, universities, and associations to reach their full potential and scale up their activities, thereby entering new markets and growing their businesses. Founded in 2016, FIWARE Foundation includes **Atos, Madinah City, Meditech, NEC and Telefonica** among its more than **600 members**. For further information, visit fiware.org and follow the organization on [X](#), [LinkedIn](#), and [YouTube](#).

About Prometheus-X

[Prometheus-X](#) is a nonprofit organization dedicated to the development of a sovereign infrastructure for data exchange in Europe, in line with the European data strategy. It brings together over 500 organizations across the EU for the creation of data spaces. Through the development of sovereign data spaces, Prometheus-X enables organizations and individuals to securely share and access data in an interoperable manner, fully compliant with European regulations, particularly in relation to data protection and digital sovereignty.

Prometheus-X approach is based on the creation of digital commons, which are open-source technological building blocks allowing any entity to create and operate a data space without being dependent on a single provider. These commons ensure an open and ethical infrastructure for data sharing across various sectors such as education, media, healthcare, law, and tourism. By consolidating a European ecosystem of sovereign, ethical and secure data exchange, Prometheus-X aims to play a crucial role in ensuring Europe's technological independence. Visit our website www.prometheus-x.org or follow us on [LinkedIn](#).