Global IoT Standards Organizations, the OCF and FIWARE Foundation, Partner for Mutual Smart Data Models Adoption

Both member organizations will benefit from the sharing of smart city, smart home and smart building data models and ISO/IEC standards

JOINT PRESS RELEASE

4 May, 2022 – The Open Connectivity Foundation (OCF) and FIWARE Foundation have formed a mutually beneficial partnership which provides members from both organizations with increased access to data models and standards that support the development of secure, interoperable Internet of Things (IoT) deployments.

The OCF is bringing a comprehensive set of smart home and smart building models to the table, across areas including air quality testing, carbon dioxide detection and blood pressure monitoring. FIWARE Foundation has provided access to its building blocks, reference architectures, smart city and industrial models.

Bruno Johnson, Chair of OCF Marketing and Communications Work Group, commented: "The collaboration is significant as it is opening up access to a wide array of data models which can speed up the development of secure infrastructure. FIWARE's members can also swiftly adopt our Secure IP Device Framework to help create secure deployments with rapid development and simple integrations with IoT networks, and dynamically align these with baselines for IoT security and privacy regulations."

As an ISO/IEC adopted standard, the OCF's framework is internationally agreed upon by experts and is gaining adoption as a national standard in countries worldwide. With the OCF adopting FIWARE's data models, in time, these too will be brought into the ISO/IEC standard.

Ulrich Ahle, CEO of FIWARE Foundation, confirmed: "We are thrilled about our collaboration with the OCF. Its extensive expertise and experience in contributing to the definition of technical standards across industries, following an implementation-driven open-source approach, will be invaluable as we work together to create and advance the adoption of smart data models for IoT devices and related-systems. It's a perfect strategic fit. OCF's commitment to collaboration and co-creation so that systems can be deployed in an open and standardized way dovetails with our goal to enable devices to communicate with one another, regardless of operating system, service provider, transport technology, or ecosystem."

Over 65 data models defined by the OCF have already been made available in FIWARE's Smart Data Models Program, with more than 200 soon to be adopted – contributing to the over 800 smart data models already provided through the FIWARE-driven program.

Bruno concluded: "By supporting the development of IoT technology in a secure and interoperable way, together we can further encourage its evolution and positive global impact."

For more information about OCF or to become a member, please visit the website. For more information on FIWARE, FIWARE membership, and FIWARE Smart Data Models, find the website here.

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 affordable way, avoiding vendor lock-in scenarios, whilst also nurturing FIWARE as a sustainable and innovation-driven business ecosystem.

The foundation achieves this through 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, the foundation has Atos, Engineering, NEC, Red Hat, Telefónica and Trigyn Technologies among its 500+ members. For further information, refer to FIWARE's Press Kit and follow the organization on Twitter, LinkedIn, and YouTube.

About the Open Connectivity Foundation (OCF)

The Open Connectivity Foundation (OCF) is a global, member-driven technical standards development organization. Its 500+ members are working to enable trust, interoperability, and secure communication between IP-connected IoT devices and services. It does this by fostering collaboration between stakeholders across the IoT ecosystem to deliver the freely-available ISO/IEC specifications, including the Secure IP Device Framework, its open-source reference implementation, and an industry-recognized certification program. This enables innovative new secure use cases and user experiences, reduces development costs, integration complexity and time to market, and simplifies regulatory compliance to IoT security and privacy baselines.

OCF members work across the enterprise layers of infrastructure, applications, and data. They collaborate to co-create and deploy systems in an open and standardized way, enabling devices to communicate over IP, regardless of form factor, operating system, service provider, transport technology, or ecosystem.

The vertical-agnostic technology has already seen significant adoption in the smart home sector and is now enabling the transition to secure, intelligent, Building Automation Systems (BAS) based on IP connectivity networks.

OCF website | IoTivity® open-source implementation | Twitter | LinkedIn | YouTube | WeChat