



AHA Experts' Voices: Ulrich Ahle talks about FIWA...



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- Criteria for open platform in AHA and AAL domains which Fiware complies with:**
- Open Source
 - Open Standards Based
 - Federatable
 - Shared Common Information Models
 - Vendor and Technology Neutral
 - Supports Open Data
 - Provides Open APIs
 - Open Usage (adoptability)
 - Open Adaptation

Business Overview

The presented business information uses text from various parts of the FIWARE [website](#).

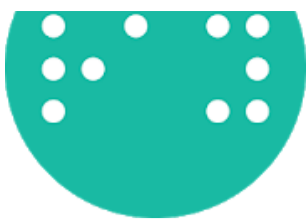
In terms of key partners, there are more than 325 partners involved with the FIWARE Foundation, which range from Platinum members (i.e., the core FIWARE Foundation members), Gold members, Gold strategic end users and associates. Apart from the above partners, there are also some institutional, community and media partners listed as key partners of the FIWARE Foundation. The FIWARE Community further comprises all individuals and organizations contributing towards achieving the FIWARE Mission. The FIWARE Community is not only formed by contributors to the technology (the Open Source Community working on the FIWARE platform), but also those who contribute in building the FIWARE ecosystem and making it sustainable over time. The FIWARE website provides a [full list of members](#).

There are five (5) key activities of the FIWARE Foundation:

- To empower the developers to bring best-of-breed tools to write great code, manage the development process and benefit from quality validation processes, end users to access great software easing the development of new solutions, making the best use of

Solutions





RAY

RAY is an all-inclusive, mobile-centered, integrated...

Use Cases

- Visual impairment
- Orientation
- Cognitive Abilities
- Information and Knowledge
- Communication

Technologies

- Mobile application



CardioWheel

CardioWheel is an Advanced Driver Assistance System that acquires the electrocardiogram (ECG) from the driver's hands to...

Use Cases

- Drowsiness
- Fatigue
- Work Support

Technologies

- Machine Learning



CuraVista

This application software for mobile devices such as smartphones assists in the phase of preparation as well as in the phase of...

the, being able to provide feedback and benefit from large-scale testing facilities, and companies and other organizations (who are FIWARE Foundation members) to organize all sorts of events, information, discussions and other activities and resources.

- To promote the new technologies integrated in FIWARE, fostering their adoption as de-facto standards, the developers producing such new technologies, the offering built with or around FIWARE Technologies, the users of the FIWARE Technologies who build such offerings, the FIWARE ecosystem as a catalyst for economic opportunities.
- To augment increasing interfaces for connectivity, consolidating or promoting standards, increasing use cases for new application domains
- To protect the FIWARE trademark, the compliance with the FIWARE Code of Conduct, FIWARE Technologies by ensuring they remain available as Open Source, the openness, meritocracy and transparency which guides the decision making
- To validate the labelling qualifying the Quality Assurance of the FIWARE Technologies, organizations that own the expertise to validate "Powered by FIWARE" solutions, "FIWARE IoT-ready" devices or people/organizations capable to provide FIWARE development, integration, training and consulting services.

Show more

Technical Overview

FIWARE is a curated framework of open source platform components, also known as Generic Enablers (GEs), which can be assembled together and with other third-party components, so as to create custom hybrid platforms covering the needs of specific projects and to accelerate the development of Smart Solutions. The main and only mandatory component of any FIWARE-based platform or solution is a FIWARE Context Broker GE, bringing a cornerstone function in any smart solution: the need to manage context information, enabling to perform updates and bring access to context. A rich suite of complementary FIWARE GEs are available, dealing with interfacing with the Internet of Things (IoT), robots and third-party systems, context Data/API management, publication, and monetization, and context information processing, analysis, and visualization. Depending on the solution's

Use Cases

Home care

Caregiver notifications

Health Care and Prevention

Telecare and Telehealth Care

Social Skills

Technologies

Mobile application

requirements, the FIWARE GEs which enable the required functionality can be selected and integrated, or new ones can be implemented as long as they are compliant with the corresponding FIWARE GE Open Specifications. Any implementation of a FIWARE GE is, by nature, replaceable.

The *Physical layer* is composed of all the devices and gateways connected to the platform, which can be of different types, collect various kinds of data and communicate via various protocols, depending on the exact needs of the offered solution and the devices availability from their vendors. The deployment of the architecture of the physical layer is typically distributed across a large number of devices and several gateways.

Show more

Contextual Overview

The FIWARE platform FIWARE initially emerged as a [European project](#), but nowadays it is being maintained by the FIWARE Foundation and supported by an open source community.

The FIWARE Technical Steering Committee (part of the FIWARE Foundation) governs the technical direction of the FIWARE platform and activities of the FIWARE Open Source Community. The FIWARE Foundation members are: Atos (Spain), Engineering (Italy), Orange (France), and Telefónica (Spain). The [FIWARE webpage](#) provides bylaws about FIWARE software, the FIWARE Foundation and the ecosystem. There is also a Code of Conduct [webpage](#) with information on compliance, confidentiality, integrity, commitment, among others, of the FIWARE Foundation.

The types of data collected by a FIWARE platform instance can vary greatly depending on the specific solution enabled by the platform. In the AHA domain, the data might include the details of end users, the measurements or other data stemming from IoT devices, etc. The same is the case regarding the Information provided to the user on data collection, storage, processing and transfer, or any requirements regarding informed consent. These all depend on the use case implemented on top of the FIWARE platform. If needed, use cases or applications requiring such features can be supported by FIWARE, but some of these features may need to be built by the solution's developers.

FIWARE also offers a marketplace, which is based on the FundingBox Platform. Analytical information on data collection, storage, processing and transfer of data as well

as the terms and conditions of use can be found in the marketplace legal and privacy [webpage](#).

The “FIWARE” name is a registered [trademark](#) of the FIWARE FOUNDATION, E.V. All FIWARE components (GEs) are Open Source and provided royalty-free. In specific, it seems that most (if not all) GEs are made available under the GNU Affero General Public License v3.0.

[Learn more about FIWARE](#)

Objectives

Empower

To build a powerful, sustainable and profitable ecosystem by available means such as organisation of all sort of events, information, discussions and other activities.

Developers

To bring best-of-breed tools to write great code, manage the development process and benefit from quality validation processes

Users

To access great software easing the development of new solutions, making the best use of the, being able to provide feedback and benefit from large-scale testing facilities

Companies and other organisations

The FF’s members to organize all sorts of events, information, discussions and other activities and resources.

Promote

- The new technologies integrated in FIWARE, fostering their adoption as de-facto standards
- The developers producing such new technologies
- The offering built with or around FIWARE Technologies
- The users of the FIWARE Technologies who build such offering
- The FIWARE ecosystem as a catalyser for economic opportunities

Augment

- Increasing interfaces for connectivity
- Consolidating or Promoting Standards
- Increasing use cases for new application domains

Protect

- The FIWARE trademark
- The compliance with the FIWARE Code of Conduct
- FIWARE Technologies by ensuring they remain available as Open Source
- The openness, meritocracy and transparency which guides the decision making

Validate

- The labelling qualifying the Quality Assurance of the FIWARE Technologies
- Organizations that own the expertise to validate “Powered by FIWARE” solutions, “FIWARE IoT-ready” devices or people/organizations capable to provide FIWARE development, integration, training and consulting services

FIWARE - Open Source Platform f...



FIWARE Teaser: What is FIWARE?



Marketplace

The FIWARE Marketplace serves the purpose of globally disseminating existing commercial offerings around FIWARE. It is a global one-stop shop that gives visibility to a wide range of Powered by FIWARE solutions/platforms, FIWARE-ready technologies as well as FIWARE related training/coaching or consultancy, integration and support services.

Powered by FIWARE

[Solutions](#)

Smart Solutions rely on FIWARE standards to manage context information at large scale. They use FIWARE technologies to gather Context Information (coming from different and highly distributed sources such as end users, sensor networks and all kind of information systems including social networks) and process it in order to perform smart actions.

[Platforms](#)

FIWARE Platform Service Providers offer FIWARE as a Service on private and public clouds in which they are operating. Also, Platform Service Providers can deploy FIWARE platform instances on premises for their customers. Anyone can create a FIWARE instance on their own and in their premises. But it is also possible to choose a company that offers FIWARE platform services.

FIWARE-ready technologies

[IoT devices](#)

FIWARE-ready IoT devices come with easy-to-install drivers and instructions that help to transform the measures they gather into context information, accessible to end applications using the FIWARE NGSI standard.

[Software enablers](#)

FIWARE-ready software enablers are base platform technologies, easily integrable with FIWARE, which extend the basic capabilities of the platform with advanced added-value features (e.g., location within buildings, representation of context information in maps, biometrics for access control...). Their combination with FIWARE allows to build more sophisticated applications.

[Connecting Europe Facility Building Blocks](#)

A Building Block is an open and reusable digital solution. It can take the shape of a framework, a standard, a software, or a software as a service (SaaS), or any combination thereof. Building Blocks are endorsed by the European Commission and ensure that your digital service will be fully compatible with other on the market. CEF Digital offers support and guidance on your journey to an interoperable, EU-compliant final product.

FIWARE Services

[Training and coaching](#)

Online training material is available on the FIWARE Academy but many partners are offering tailored training and coaching services to those organizations who are looking for dedicated sessions.

[Consultancy and integration services](#)

Finding the right experts offering consultancy, integration or technical support services is crucial in many projects. The FIWARE marketplace is helping to serve this need.

[Learn more about the FIWARE marketplace](#)



Lab

FIWARE Lab is the non-commercial sandbox environment of the FIWARE Community. It offers, for free, the capability to innovate and experiment with the FIWARE Technologies. Entrepreneurs and individuals can test FIWARE technologies as well as their applications within the FIWARE Lab, with the possibility to exploit Open Data published by cities and other organizations.

FIWARE Lab is deployed over a geographically distributed network of federated FIWARE Lab nodes. Each FIWARE Lab node maps to one, or a network of, data-centers on top of which an OpenStack instance has been deployed, federated and configured as a FIWARE Lab node (Cloud region) operated by a specific organization.

FIWARE Lab nodes do not only provide cloud resources. They are part of local FIWARE Ecosystems and FIWARE iHubs supporting and promoting access to the FIWARE technology.

FIWARE welcomes the addition of new nodes to the FIWARE Lab to provide resources to FIWARE developers across the globe.

Learn How to Work with FIWARE Lab

This video tutorial will explain how to deploy your virtual machine in the FIWARE Lab and how to access it.



[Learn more about FIWARE](#)

Membership

Benefits

As a member, you benefit from the extensive experience and network of our ecosystem made up of small, medium and large global enterprises, startups, end-users, universities, ICT infrastructure providers, and associations.

Members

Corporates, academic institutions, startups, and innovative individuals. By joining FIWARE Foundation, you will be part of a collective movement shaping new market architecture that is driving innovation at unmatched speed and scalability.

Packages

Ready to join? Hop on and leave a mark on the digital future. Be part of the 370+ members building, steering and sustaining open source technologies and common standards, based on FIWARE tech. Discover our packages.

Journey

Enjoy your journey across the (open source) waters. Join now as member of the FIWARE Foundation and help shape the future of FIWARE! Become a part of our global open source movement and start your membership journey today.

[Learn more about FIWARE](#)