universAAL

UNIVERsal open platform and reference Specification
for Ambient Assisted Living

Mission

**universAAL is aimed to make it technically feasible and economically viable
to conceive, design and deploy innovative new AAL services**

Overview

As the European population ages, more support is needed with fewer hands to cater for their needs. There is a huge market potential for Ambient Assisted Living (AAL) solutions, but adoption is limited because they require significant resources for implementation.

To address this, universAAL will produce an open platform that provides a standardized approach making it technically feasible and economically viable to develop AAL solutions.

Project

The platform will be produced by a mixture of new development and consolidation of state-of-the art results from existing initiatives.

Work on establishing and running a sustainable community will receive attention right from the start, with promotion of existing results gradually evolving into promotion of the universAAL platform, as it develops into one consolidated, validated and standardized open AAL platform.

Objectives

- Develop a full **suite of software components** composing an environment for developing and running AAL applications, and gradually release them with a free / open source license during the project's lifetime.

- Design and establish the universAAL **developer depot**, an open collection of software components, development tools and documentation to ease the development and integration of AAL services

- Develop and promote the **uStore**, an online one-stop-shop where service providers can publish their services (hardware, software or human resources) and users can find them.

- Design the platform to be open, and allow interoperability with existing systems/other domains

- Carry out support activities promoting widespread acceptance and adoption of the platform.

- Demonstrate the practical usefulness of the approach using a set of proof-of concept scenarios.

Developers Depot
Free resources and code samples to develop innovative AAL services

uStore
A global marketplace for vendors and a one-stop-shop for buyers of AAL services

AAL Showroom
Discover what our platform can do for you and your business
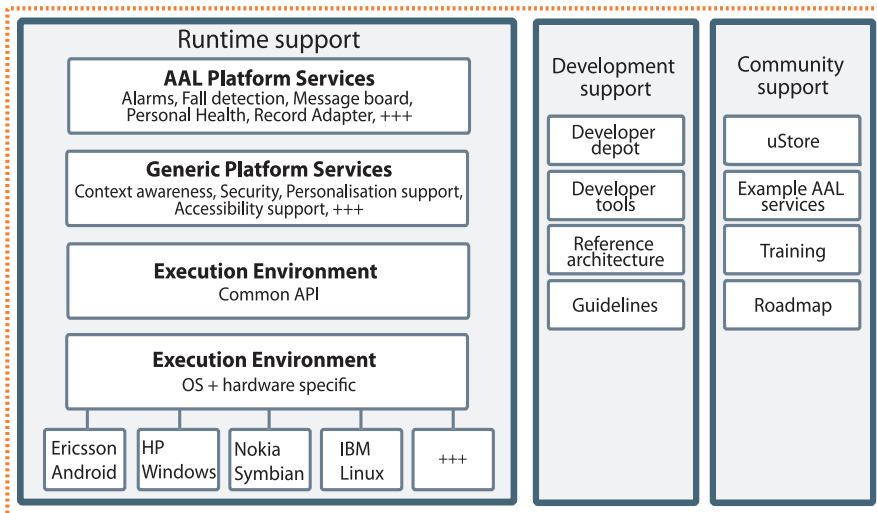
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universAAL Platform

The universAAL platform consists of three main parts: the **runtime support**, the **development support** and the **community support**. Runtime support is a software environment that provides core AAL services for the execution of AAL applications. Development support includes documentation, tools and an online developer depot of various development resources. Community support includes training and an online uStore providing a one-stop-shop for AAL services and applications.
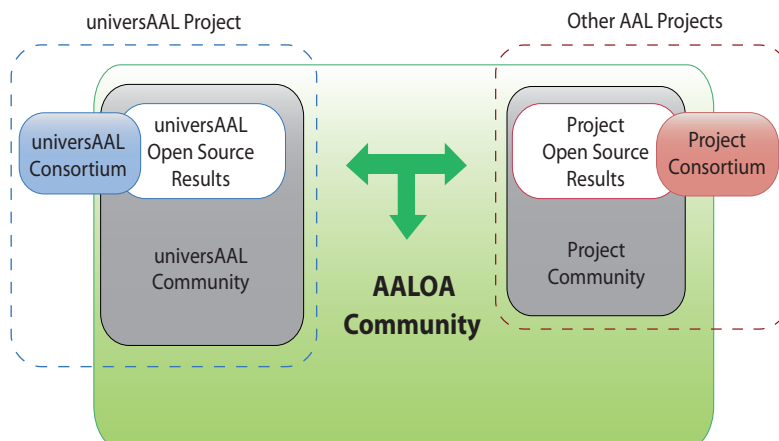

Ensuring Wide, Continuing Impact

universAAL is a project with 17 partners, and a duration of 48 months. But we aim to have an impact that extends well beyond the project partnership, and continues after the project itself has been completed.

As part of our strategy for achieving this, we seek (in co-operation with other projects) to create AALOA - an AAL Open Association. The idea is to create a non-profit AAL organisation open to individuals, institutions and industry. It will provide a meeting point able to catalyse interest and efforts around AAL, promote standardization and identify key areas of research.

AALOA will build on the legacies of a number of EU projects devoted to production of AAL software infrastructures (including PERSONA, MonAMI, OASIS, SOPRANO, and MPOWER), and on universAAL itself.

universAAL will play a key role in the establishment and initial operation of AALOA, but AALOA will continue beyond the lifetime of the projet itself, and involve actors other than universAAL consortium members. It will benefit the project and AAL stakeholders, by raising awareness of AAL and by attracting developers, technology companies and service providers.