

Collaborative Project

ASPIRE

Advanced Sensors and lightweight Programmable middleware for Innovative Rfid Enterprise applications

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WP7 – Dissemination, Exploitation, Training

Public report - Deliverable

ASPIRE Middleware Portal

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Main Contributors:	Luc Laurens (INRIA) Stephane Ribas (INRIA) Nikos Kefalakis (AIT) Didier Donsez (UJF) John Soldatos (AIT)
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Approvals

	Name	Organization	Date	Visa
<i>Coordinator</i>	Neeli Rashmi Prasad	CTIF-AAU	12.01.2010	Approved
<i>Technical Coordinator</i>	John Soldatos	AIT		
<i>Quality Manager</i>	Anne B. Pors	CTIF-AAU	12.01.2010	Approved

Document history

Revision	Date	Modification	Authors
0.1	21 Jan 09	First Version of the Document	John Soldatos, Nikos Kefalakis
0.2	23 Jan 09	Addition of descriptions on Middleware Portal	Nikos Kefalakis
0.3	11 Nov 09	Addition of FAQs in Middleware portal	Loic Schmidt

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1 Introduction

This document provides short documentation accompanying the ASPIRE's middleware development portal.

The AspireRFID project aims at developing and promoting an open-source, lightweight, standards-compliant, scalable, privacy-friendly, and integrated middleware to ease the development, the deployment and the management of RFID-based applications. AspireRFID will also provide a set of high level tools enabling RFID consultants to deploy RFID solutions without a need for tedious low-level programming. AspireRFID will allow the specification of RFID enabled processes. Accordingly, the tools will generate all the RFID artifacts required to deploy these solutions over the AspireRfid middleware.

The Need & Purpose for a middleware portal is:

- To help the project's development.
- To define the required OSS processes.
- To leverage the developers collaboration.
- To provide all the required documentation.
- To provide services to users.
- To give demonstrations.

The AspireRFID's wiki portal is available at: <http://wiki.aspire.objectweb.org/> and the Forge portal at: <http://forge.objectweb.org/projects/aspire> .

2 AspireRFID Wiki

2.1 Purpose

The purpose of AspireRFID Wiki portal is to provide to developers, RFID integrators and simple users all the necessary information concerning the AspireRFID middleware platform and its applications. At Figure 1 below you can see Wiki's first page (<http://wiki.aspire.objectweb.org/>).

Consortium Activities Projects Forge Events

Log-in
Register
[ASPIRE RFID Project](#)

PDF History More Actions

Welcome to the OW2 AspireRFID Wiki

Executive Summary

The AspireRFID project aims at developing and promoting an open-source, lightweight, standards-compliant, scalable, privacy-friendly, and integrated middleware along with several tools to ease the development, the deployment and the management of RFID-based applications and sensor-based applications. It implements several specifications from consortiums such as EPC Global, NFC Forum, JCP and OSGi Alliance.

AspireRFID provides also a set of tools enabling RFID consultants to deploy RFID solutions without a need for tedious low-level programming. AspireRFID allows the specification of RFID enabled processes. Accordingly, the tools generate all the RFID artifacts required to deploy these solutions over the AspireRFid middleware.

The license used by AspireRFID sources is the [LGPL v2.1](#). The license used by AspireRFID documentation is the [Creative Commons Share Alike \(by-sa\)](#).

Keywords: RFID, NFC, Sensor, EPCglobal, NFC Forum, M2M, IoT (Internet of Things), FOSS (Free Open Source Software).

Contact

For general information, please contact John Soldatos (A@ait.edu.gr where A=jsol) and Didier Donsez (B.C@imag.fr where B=Didier and C=Donsez).

For technical information, please contact the developer mailing list (A@ow2.org where A=aspirefid-dev).

Links

- The AspireRFID Forge <http://forge.ow2.org/projects/aspire>
- The FP7 ASPIRE Project <http://www.fp7-aspire.eu>

Stats

ASPIRE RFID

Languages

Java	74%
XML	17%
XML Schema	6%
Other	3%

ASPIRE RFID, updated 26 Nov 2009 more at [ohloh](#)

Attachments: 3 Attachments by donsez ...

Menu

- Project
- News
- Documentation
- FAQs
- Demos
- References
- Services (Training/Consulting)
- Roadmap
- Readers, Sensors, Actuators (IO)
- Downloads
- Forge
- Licenses
- Mailing Lists
- Community
- Summer of code
- Contributors
- Developers
- Links
- Logo
- Internships
- Photo Album
- Glossary
- Sitemap

Visitor locations
ClustrMaps® Click to see

PAGE RANK

Search

Recent News

OW2 Annual Conference

Oct 12: [Demonstration in the scope of the ASPIRE RFID Information Day in Greece](#)

[Archives](#)
[RSS](#)

Recently Visited

Open Source

[OW2 Consortium](#)
AspireRFID Middleware

81.9K Lines
ohloh
10 USERS
I USE IT

XWIKI POWERED

Figure 1 AspireRFID's Wiki home page

2.2 Wiki Structure

The wiki portal provides a main menu where the visitors can be redirected to its various sections. These sections are:

- i. **Project**, which provides general information about the AspireRFID project
- ii. **News**, where one can find news concerning the project
- iii. **Documentation**, where documentation targeting two groups, developers and users, can be found. There one can find all the required information on installing, running, developing and testing the AspireRFID middleware.
- iv. **FAQs**, where answers to frequent questions about AspireRFID are provided. This section is dynamic and will be updated regarding users and developers comments.
- v. **Demos**, with information on all the available demonstrations and information about how to download and run them.
- vi. **References**, where published papers (relevant to AspireRfid and edited in the context of ASPIRE project) can be found.
- vii. **Services**, where training materials, available university courses and information about professional services are provided.
- viii. **Roadmap**, where information can be found about the next development steps that should be followed for the middleware.
- ix. **Readers, sensors and actuators**, where information about the supported RFID readers, sensors and actuators can be found.
- x. **Downloads**, where links to the latest middleware releases are available.
- xi. **Forge**,
- xii. **Licenses**, where the used middleware and document licences can be found.
- xiii. **Community/ Mailing lists**, where one can subscribe to the available project's mailing list.
- xiv. **Contributors**, where the names and information of the main contributors appear.
- xv. **Developers**, where information for tools used can be found.
- xvi. **Links**, where useful pertinent links can be found.

3 AspireRFID Forge

3.1 Purpose

The purpose of AspireRFID Forge portal is to provide means and tools to developers to help them at the AspireRFID middleware and tools development. At Figure 2 below you can see OW2 AspireRFID's Forge first page (<http://forge.objectweb.org/projects/aspire>).

OW2 Consortium Leading Open Source Middleware

Go to OW2...

Advanced - Powered by Google

G Forge Software/Group Search Go to Project

Log Out My Account

Home My Page Project Tree Project Openings AspireRFID

Summary Forums Tracker Lists Tasks Docs Surveys News Files SVN

The AspireRFID project aims at developing and promoting an open-source, lightweight, standards-compliant, scalable, privacy-friendly, and integrated middleware to ease the development, the deployment and the management of RFID-based applications.

- Development Status: [3 - Alpha](#)
- Environment: [Console \(Text Based\)](#), [Web Environment](#)
- Intended Audience: [Developers](#), [End Users/Desktop](#)
- License: [GNU Lesser General Public License \(LGPL\)](#)
- Operating System: [Windows](#), [Linux](#)
- Programming Language: [Java](#), [PHP](#)
- Topic: [Communications](#), [Financial](#), [Other/Nonlisted Topic](#)

Registered: 2008-06-03 17:13

Latest File Releases

Package	Version	Date	Notes / Monitor	Download
AspireRFID AITdev	Reader Proxy bundles	December 8, 2008	-	Download
AspireRFID RFIDSuite	aspirefid-1clickdemo	December 1, 2008	-	Download

[\[View All Project Files\]](#)

Public Areas

- [Project Home Page](#)
- [Tracker](#)
 - [Bugs \(0 open / 12 total \)](#)
Bug Tracking System
 - [Support Requests \(30 open / 30 total \)](#)
Tech Support Tracking System
 - [Patches \(0 open / 0 total \)](#)
Patch Tracking System
 - [Feature Requests \(1 open / 2 total \)](#)
Feature Request Tracking System

Latest News

No News Items Found
[\[News archive\]](#)
[\[Submit News\]](#)

Developer Info

Project Admins:
[Didier Donsez](#)
[John Soldatos](#)

Developers:
14 [\[View Members\]](#)

Figure 2 AspireRFID's Forge home page

3.2 Forge Structure

AspireRFID Forge is consisted of:

- i. **Summary**, where summarized information about the project status can be found.
- ii. **Forums**, where the AspireRFID's forum is available with open discussions, help and developers discussions are held.
- iii. **Tracker**, where bugs, support requests, patches and feature requests are tracked.
- iv. **Lists**, where all the projects mailing list and other ObjectWeb mailing lists are available for subscription and management.
- v. **Docs**, where the project's documentation can be added or downloaded.
- vi. **Surveys**, where the project's surveys can be held.
- vii. **News**, where project news can be found and edited.
- viii. **Files**, where a list of project's files are available for downloading.
- ix. **SVN**, where information on how to use/access the AspireRFID's SVN repository are available.

Acronyms

ASPIRE	Advanced Sensors and lightweight Programmable middleware for Innovative Rfid Enterprise applications
OSS	Open Source Software

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