Spagic for SayService SRL

SAYSERVICE HAS ADOPTED SPAGIC TO DEVELOP AN INTEGRATION INFRASTRUCTURE FOR A SMART PLATFORM

Key Words:
- ☐ Spagic
- ☐ SOA
- ☐ OSGi
- ☐ Open Source

SAYSERVICE
SERVICES AT YOUR SERVICE

Organization
SayService SRL

Market
Software engineering

Status
Private Company

Mission
Develop advanced software solutions for service integration

Objective
Development of "MyFestival" application for the Festival of Economics 2010 in Trento, Italy.

Country
Italy

OW2 Project
Spagic
Open Source SOA Universal Middleware

SayService SRL has used Spagic to develop a software platform for the realization of enterprise and web services applications.

SayService SRL

SayService SRL (www.sayservice.it/) is a spin-off of the *Bruno Kessler Foundation* (Fondazione Bruno Kessler, FBK - www.fbk.eu/). The goal of SayService is to bring to the market the research results achieved by FBK in the area of Service Oriented Computing, by developing and marketing software platforms based on innovative technologies for service integration and adoption on Web and mobile platforms, such as cellphones and PDAs.

The Need for a user-friendly and flexible integration

SayService has developed a software platform for the realization of enterprise and web services applications.

The SMART platform supports a user-friendly and flexible integration of already existing services, which are accessible on-line through a variety of available technologies and standards (web services, web pages, remote procedures, REST services, e-mails, SMS, proximity services).

In collaboration with Engineering Group, SayService has adopted Spagic for the realization of a standard infrastructure, which is highly integrable thanks to synchronous, asynchronous and events monitoring based connection protocols.

The application has been realized by means of Spagic platform, which:
- ☐ offers high-level technology innovation (OSGi)
- ☐ is scalable and can be distributed on different nodes
- ☐ offers heterogeneous connectors and "out-of-the-box" services.

THE SOLUTION

The Architecture of the SMART platform

The infrastructure core is composed of three “engines” supporting dynamic requests for service orchestration, integration services and monitoring processes.

In particular, the infrastructure is based on:

- ☐ Spagic SOA/BPM platform
- ☐ JMS, HTTP, Quartz connectors
- ☐ Workflow API
- ☐ Database MySql 5.

The SMART platform has been used for the first time at the Festival of Economics 2010 in Trento, Italy. In details, **MyFestival** application has been realized for this event, in order to allow the participants to organize their own participation in the event, thanks to an electronic agenda that is accessible by web connection and mobile phones.

To this end, some ad-hoc services have been realized, such as:

- ☐ The opportunity to enquiry train timetables on Trenitalia’s website, which is the company that manages Italy’s national train network
- ☐ Information parsing from websites including information on catering services, sights, events of cultural interest as well as wrapping of Google geo-location services and of some mobile services (SMS push/pull, MMS push/pull).

The following components and technologies have been used:

- ☐ HTTP connectors
- ☐ JAVA 1.6 custom components
- ☐ Google Protobuf, XStream libraries and Cobra toolkit.

Professional Support

- ☐ Spagic is supported by Engineering Group (www.eng.it), an IT global player and Italy’s largest operator in the IT services market. See support services at www.spagic.org.

Spagic
Open Source SOA Universal Middleware

OW2

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About OW2

Founded in January 2007 as a result of the merger of ObjectWeb and OrientWare communities, OW2 is an independent industry consortium dedicated to developing open source code middleware and to fostering a vibrant community and business ecosystem. Building on the legacy of ObjectWeb and OrientWare, OW2 federates more than one hundred organizations and 6000 developers in Europe, Asia and the Americas. OW2 hosts over one hundred technology Projects, including Lomboz, Sync4j, eXo Platorm, XWiki, SpagoBI and JOnAS. Several of the OW2 projects are combined into market-driven Initiatives, such as the ESB/SOA Initiative and the Business Intelligence Initiative, which facilitate their implementation by systems integrators, OEMs and end-users. A typical global open-source organization, OW2 aims to bring together grassroots communities across all continents through Local Chapters. More information about OW2 is available at http://www.ow2.org.

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