

## MIDDLE-OFFICE INFRASTRUCTURE: RITA INTER-MINISTRY EXCHANGE PLATFORM WITH PETALS ESB

### Key Words:

- ESB
- Open Source
- Exchange platform

*DGME chooses PEtALS to built a new platform that will ease interoperability between public actors and promote the use of web services.*

### **DGME - Direction Générale pour la modernisation de l'Etat (Directorate General for the Modernisation of the French State)**

The French DGME fosters the development of IT systems to modernize French public services in order to better fit public requirements. The DGME promotes and coordinates inter ministry modernization initiatives, and then evaluate them.

In particular, the DGME fosters digitalisation of public service processes and inter ministry interoperability. The DGME also operates inter-connexion and exchange infrastructures in the field of directories, domain name management, IT application distant access and digital resources registries.

### **The need for an agile inter-ministry exchange platform**

The DGME Middle-Office project RITA provides shared components and services to all the public sector actors. It provides not only inter ministry directories and registries but also an exchange system infrastructure to operate exchanges between the public and the ministries. The aim of this infrastructure is to ease technical interoperability between the various actors, and in particular to promote the use of Web Services between public actors. The DGME needed a standard exchange platform and decided to choose an open source ESB that provide a complete set of connectors. This solution was expected to allow automatic exchanges and distribution of datas between the ministries.

“The DGME selected Petals ESB because it enables a short and easy iteration to put first use cases in production. Additionally, Petals has the potential to expose the future services and resources that DGME plans to disclose to the public. Finally, Petals provides these features in a standard and open way.” Benoit Tourmel, Senior Manager – Logica Management Consulting, System Integrator in charge of the project implementation.



#### Organization

DGME (Direction Générale pour la modernisation de l'Etat.)

#### Status

French Public Administration

#### Mission

Lead the inter-ministry project for modernization

#### Objective

Open new online e-gov services and portals

#### Dimension

The project involves :  
 . 130 Agents for project management  
 . 2000 employees who are partners or actors.

#### Country

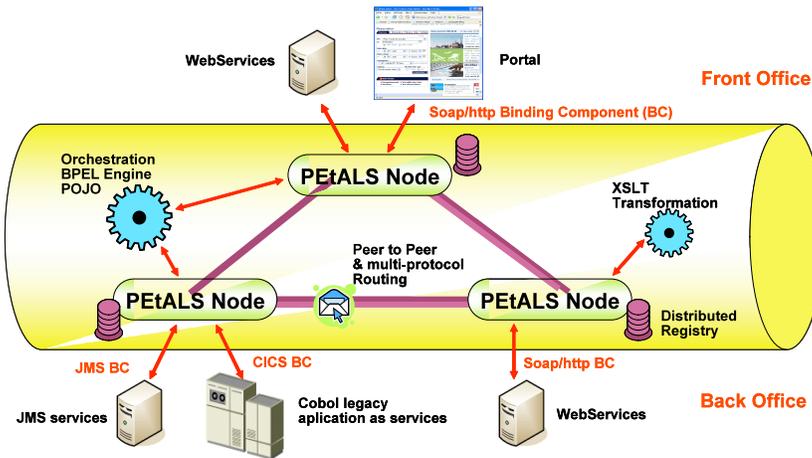
France

#### OW2 Project



## The DGME new infrastructure based on Petals ESB

Petals provides the backbone for this exchange system. Connected to a UDDI registry operated by DGME, Petals authenticates users and partners and routes the data to the right destination, by using the most adequate protocol (FTP, SMTP, ...). Petals brings agility to this infrastructure and enables easy changes of protocols and formats. In the medium term, Petals eases the adoption of Web Services based on the PRESTO protocol standardized by the DGME.



A fully open and standard distributed ESB:

- PEtALS can embed standards connectors and dedicated integration engines;
- EBM Websourcing provides a complete Eclipse based development tool;
- The PEtALS architecture provides native high availabilities.

### Key Benefits

- This project demonstrated that Petals fits the functional and technical requirements of DGME. The project was put in production in a very short time frame. After this first success, new data flows are starting to be deployed and the first web services are being made available through the Web Site "MonServicePublic.fr".
- PEtALS differentiated from other ESB especially thanks to its original distributed architecture and also because it fully complies with JBI specification and its underlying standards.

### Professional Support

**EBM Websourcing**  
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### EBM WebSourcing

EBM WebSourcing is an open-source software company in enterprise application integration and information exchange in highly distributed network.



### 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 Platform, 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](http://www.ow2.org)