

## On going work

Several modules are currently under development on our platform :

### New functionalities

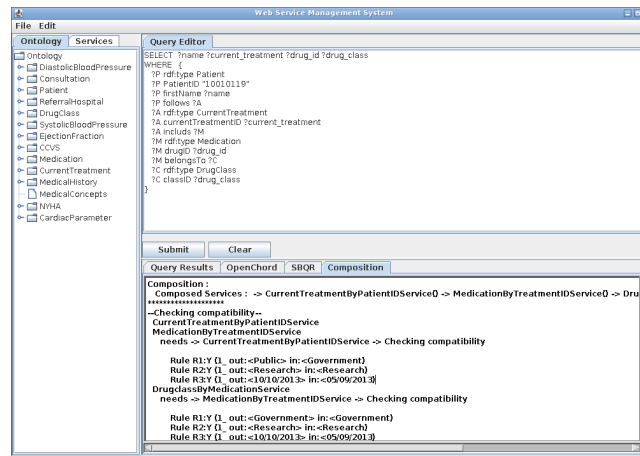
- A Python execution engine for service composition
- A plugin for custom query-processing
- An administration backend
- A UDDI service directory

### New services

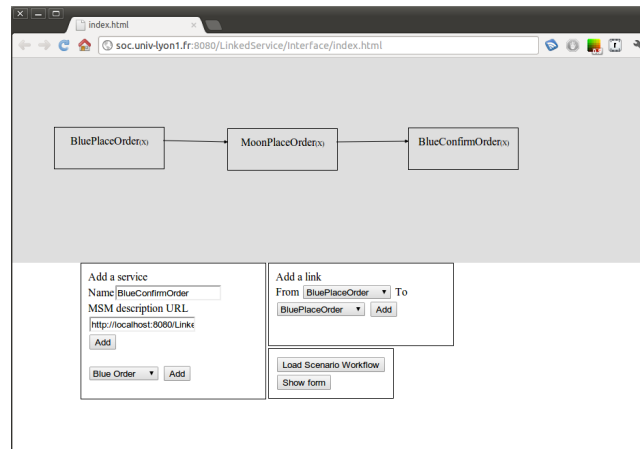
- Data mediation services
- A description annotation service
- A schema matching service

### Documentation/quality

- General platform description
- End user documentation
- Regular backups



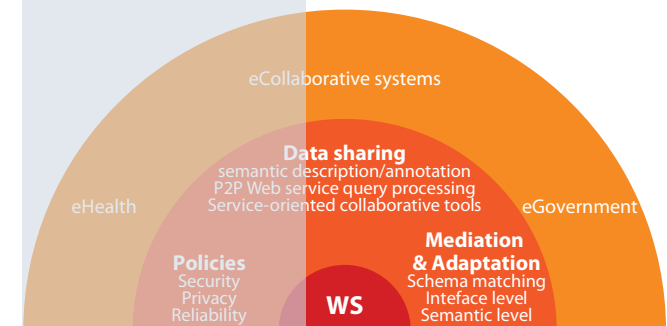
A Query Rewriter for DaaS composition-Interface



Graphical Interface to the Python Execution Engine



Open  
Architecture for supporting  
Services,  
discovery and  
Composition



## Contact

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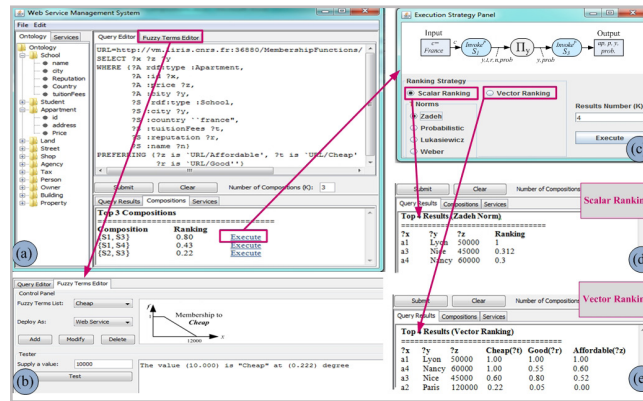
## General description

The OASIC (Open Architecture for supporting Services, dIScovery and Composition) platform is dedicated to the following majors objectives of the SOC team :

- provide a structure that can host the developments of the team under various forms: software components, Web services, servlets, downloadable standalone applications.
- It is important to make the software developments of our team available to the community.
- enable the demonstration of use cases to illustrate the different scenarios related to the research work of the team.

This structure has been deployed on top of free software and relies on a free operating system and application server.

The platform documentation is available at :  
<http://soc.univ-lyon1.fr/doku/>



## A system for Preferences-aware Data Mashup :

The developed prototype resolves the preferences queries by composing DaaS. It also ranks the composition's outputted results based on supplied preferences and reports the top-k ones. This prototype assumes a fuzzy-based modeling of preferences.

## Technical description

- Debian operating system
- Glassfish application server
- Python interpreter
- MySQL database

## Components

The following software components are currently hosted on the platform

- Several demo Web services (WSDL files available)  
<http://soc.univ-lyon1.fr:8080/>
- JSP to access Twitter JSON service :  
<http://soc.univ-lyon1.fr:8080/JSONService/>
- PAIRSE Query rewriter prototype :  
<http://soc.univ-lyon1.fr:8080/queryRewriter/index.html>
- LoCCO - Linked Open Context Converter :  
<http://soc.univ-lyon1.fr:8080/LinkedService/>
- Distributed Mediation as a Service (MaaS) prototype  
<http://soc.univ-lyon1.fr:8080/LinkedService/Interface/index.html>

## Supported formats

- Java Server Pages
- Java Servlets
- SOAP/WSDL services
- RESTful and linked services

## Contact

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Site web de la plateforme  
<http://soc.univ-lyon1.fr/>