



Open Source for Software Quality

Key Words :

- Software Quality
- Business Intelligence
- CMM
- Software Process Improvement
- Software measurement

Project Name

- Spago4Q

Category

- Business Intelligence
- Software Engineering

License

- LGPL

Professional Support

- Engineering Group

Some References

- University of Milan
- Engineering CMM portal

Open Source for Software Quality of products, processes and services

Spago4Q Platform

Spago4Q is a platform for the assessment of the maturity and effectiveness of software development processes as well as for the quality inspection of the released software. This goal is achieved by evaluating data and measures, collected from the project management and development tools through non-invasive techniques.

Spago4Q architecture, obtained as a verticalization of SpagoBI (the Free Business Intelligence Platform), is designed in order to be easily adapted to complex organizational contexts. It integrates an advanced meta-model which makes Spago4Q fully independent of the adopted software development processes, the infrastructure tools as well as of the measurement and assessment frameworks.

Spago4Q Benefits

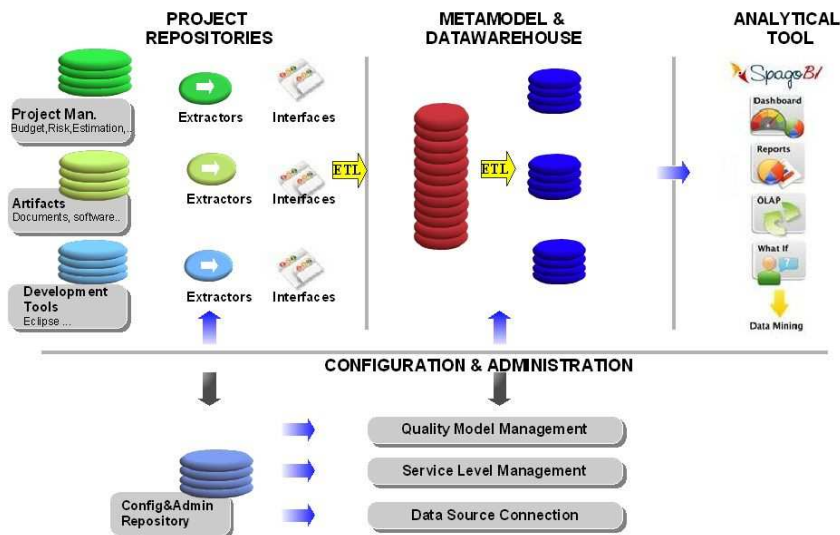
- It supports companies and organizations in the certification processes and in monitoring formalized development processes
- It automates data collection from a set of tools
- It supports measurement processes, which is not bound to the adopted software development processes and tools
- It supports companies and organizations both in the certification processes and in monitoring a formalized development process.

Spago4Q Platform

Spago4Q has a modular architecture and meta-model design that guarantees extensibility towards other infrastructure tools and sets of activity measure areas.

The analytical system of Spago4Q is built as a verticalization of SpagoBI, in order to cover and satisfy the whole range of BI requirements.

PROJECT DETAILS



Key Features

- Process meta-model* : it describes an actual software development process.
- Measurement meta-model* : it is designed following the Goal-Question-Metric (GQM) paradigm. It defines the measurable concepts, measurable attributes, KPIs and metrics.
- Assessment meta-model* : it fully supports CMMI (Capability Maturity Model Integration) and ISO as assessment frameworks.
- Meta-model* : it includes a "library of measurements" to make the measurement process activity easier.
- Configuration and administration module*

Highlights

- Non-invasive techniques for collecting measures
- Advanced meta-model which makes Spago4Q fully independent of the adopted software development process, infrastructure tools, measurement and assessment framework
- Measurement knowledge base
- Data analysis by means of SpagoBI platform

Professional Support



www.eng.it
www.spago4q.org

- Services & Support: Proof of Concept, On-site consultancy, In-house option, Ad hoc packages, Project Developments
- Project Subscription
- Training

OW2

OW2 Consortium
21 rue de Madrid
75 008 Paris, France

www.ow2.org
contact@ow2.org

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, Funambol, 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)

