



Integrated Business Process Management

Qualysoft Group is a manufacturer-independent IT consulting and service company, with excellent references in the international IT market. Since its establishment in 1999, Qualysoft has been providing innovative solutions to help its customers with improving their competitiveness and cost efficient business.

In addition to its offices in Germany, Austria, Hungary and Serbia, the company group intends to open further representative offices in East Europe. With its international presence Qualysoft can always supply new solution packages to its customers, by exploiting the newest developments and tendencies of the European IT market. The number of our employees keeps increasing: at present we employ over 250 professionals, who guarantee the success of the projects of Qualysoft by their experiences of many years, knowledge and commitment.

Every member of our company group has made quality its guiding principle. The aim of Qualysoft is to offer customized, comprehensive solutions that offer maximum flexibility to its customers.

BPM and EAI competence

Over the recent years more and more companies have applied process-oriented approaches. The successful implementation of process-oriented procedures requires not only the development of a process-centered organization structure, but also the appropriate IT tools and methods. These solutions are available in the market under the names of Business Process Management and process-oriented Enterprise Application Integration.

The component areas of BPM are business process simulation, automation, monitoring and optimization. Supporting software has been available for these areas for a few years, but it is a novelty that each area is served by a comprehensive software package.

With its project experiences and skills, Qualysoft provides support to the integrated solutions offered by leading service providers, for example, webMethods, Tibco, inubit and SAP XI. We afford special attention to Business Rules Engines, Business Activity Monitoring and the standardization activities in the field of service-oriented architectures (SOA).

Business Activity Monitoring

The integrated approach enables the development of new areas. Business Activity Monitoring (BAM) unites process monitoring and the objectives of business intelligence. BAM obtains data from automated business processes, then the data are summarized into key performance indicators (KPI), which are displayed to the process owner using reporting tools.

For that webMethods has come up with an extremely innovative solution: it has combined KPI monitoring with artificial intelligence, thus it is able to provide forecasts about the expected development of KPIs.

In practice this means that by using this method the problems of the process in question can be detected at an early stage, as indicated by the alert mechanisms, thus timely intervention is possible. That way, the user can obtain an early warning, as opposed to handle the problems afterwards.

Business rules

It is one of the fundamental IT requirements of the various fields within the company that the new specifications should be suitable for adoption as fast and as flexible as possible. By graphic process display, the EAI and BPM solutions now enable simplified and accelerated communication. But there is a growing need that the functional areas should be able to control and manage the business rules themselves within the IT systems, for example, the credit insurance conditions or campaign management. The Business Rules Engines provide simple user interfaces to make the configuration of the rules system possible, while Rete algorithms ensure very efficient processing. In line with the unification trends prevailing in the field of process simulation and automation, in the near future the BPM solutions will also contain specialized rule components.

Standardization and Process-oriented Architectures (SOA)

Over the recent years several successful EAI tools have been brought to the market.

The oft-quoted statement that „EAI is dead, SOA is here” can be refuted by the short description above in itself. The situation is more much characterized by the fact that at long last, a process of standardization has taken place in the field of EAI and BPM, and according to the first reports all software publishers support the standards.

However, caution is advised, since the current standards cannot yet cover the full range of copyrighted contents. This limitation becomes apparent in the case of BPEL (Business Process Execution Language) process standard. It could not be defined yet how human intervention (Workflow) can be interconnected with automated processes. The running of add-ons is another area where standardization has failed so far, for example, in addition to calling web services, how will the calls of such simple add-ons as Java components be integrated.

Services

Qualysoft provides services in each area of BPM projects, such as:

- analysis and optimization of business processes
- process planning and the development of process-oriented IT architectures
- selection and evaluation of appropriate BPM and EAI tools
- implementation of comprehensive BPM and EAI solutions
- automation of simulated processes
- process monitoring and control

References



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