

Press Release – 22nd January 2007

SOA as an integral part of ELOenterprise

DMS EXPO/Cologne - ELO Digital presented its Enterprise Content Management solution ELOenterprise at the DMS EXPO - now based on the extended Service Oriented Architecture (SOA). Here, the application functionality was designed in the form of loose services for a business process related approach. They can be integrated in any existing process chain via XML, SOAP, Web services, or higher interface specifications such as JST 170. It is especially advantageous that no expert knowledge of the realised interfaces is necessary, which is different from earlier point-to-point connections and from the use of classical programming tools. With the extended SOA functionality of ELOenterprise, it has become considerably easier to model business processes. Consequently, business-critical data related to the business processes can be managed in a central repository and uncontrolled growth is prevented.

The new strategy based on the Service Oriented Architecture (SOA) forces consolidation of numerous standalone applications and provides sustenance to the more and more process-related mindset. One still hopes to be able to integrate information technology into existing business processes in an easier and better way with the help of SOA. Current realisation concepts do indeed contain the technical logic in detail; however it is still very difficult to integrate them in processes in their entirety. Complex interfaces, difficult to maintain and not very flexible standalone solutions were the consequence. In addition, there were high project costs and dissatisfied departments.

Optimum Integration of Repository and Application Server Services

One doesn't get a powerful SOA approach per se. This is much more a part of the architecture model of the respective application. Therefore, existing applications can hardly do justice to a serious SOA strategy. Hence, additional developments such as application layers or interfaces only conceal the problem. The consequence is lack of data throughput, low performance, and complicated solution concepts that more often than not work worse than the current point-to-point application connections. For these reasons, an underlying architecture concept was created in the planning phase that guarantees optimum integration of the repository, the archive and content areas with the application server services. Here, the application server services are at the heart of a powerful SOA strategy. On one hand, they cover the application logic such as, for example, structure information, process association, and processing rules. On the other hand, they also provide business information from the central repository, existing specialised applications, or self-programmed solution components to the process cycle.

The danger with standardised methods of resolution and consequently also with SOA is that these methods of resolution are too sluggish for practice and have too little performance. The **ELOenterprise** services bypass this risk with the help of extremely powerful command structures. In practice, integration of the services via the SOAP protocol has shown more than adequate performance. Especially for interactive user operations that require fast response time behaviour, this has prevailed as the protocol of choice for use in application services. The number of application services has once again been expanded a great deal. XML and Web service technology has proven itself especially for interlocking existing applications.



It connects **ELOenterprise** in an easy and uncomplicated way with existing specialised applications in order to ensure continuity of corporate processes. The major advantage, however, is not found in the rapid and stable implementation, but also in the ability to maintain changing business requirements.

ELO Digital Office

ELO Digital Office develops and distributes high performance software solutions for document management, digital archiving and workflow management. ELO Digital has undergone high growth, so that it now ranks as one of the world's leading ECM/DMS software developers. The company actively cultivates numerous technology partnerships with software and hardware providers including Microsoft, Hewlett-Packard, Sun Microsystems, Kyocera, Kodak and many more. The ELO product range fulfils all DMS/ECM system requirements and provides an ideal platform for efficient knowledge and information management.

ELOoffice is the entry-level product for document management and archiving and is ideal for small offices or standalone workplaces.

ELOprofessional is a modular client-server based solution aimed at meeting the requirements of middle-sized companies. The final product in the range is *ELOenterprise*, which offers a high performance, platform independent, scalable high-end solution, particularly suitable for data centres and portal applications.

All of the products are compatible with one another and allow data transfer or updates to be carried out at any time.

Due to the scalability of ELO Digital products they are utilised by a wide range of companies, of varying sizes and within numerous different sectors. Well known customers such as Lufthansa, BMW, Airbus, EADS, Airbus, Alcatel, Commerzbank, Greek National Bank, Goodyear, Siemens or Daimler Chrysler as well as various national and regional authorities underline the level of quality and innovation found in ELO products.

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