

Software for clever foxes

Schwäbisch Hall relies on the COMPORSYS Connector for IBM WebSphere MQ

Schwäbisch Hall is Germany's largest financiers for private sector construction. In the future, VR Services will be employed for data exchange within the cooperative bank society of the Volksbanken and Raiffeisenbank to which Schwäbisch Hall belongs.

A main component of VR Services is the COMPORSYS Connector for IBM WebSphere MQ for internal as well as external communication with the associates.

Schwäbisch Hall
Auf diese Steine können Sie bauen

The Customer

The building loan association Schwäbisch Hall is the largest of its kind in Germany and is an integral part of the cooperative bank society of the Volksbanken and Raiffeisenbanken. Avec 6.3 million customers trust and build with Schwäbisch Hall and every fourth building loan contract is signed with the market leader. Schwäbisch Hall not only offers tailor-made concepts which lead to home ownership but provides know-how to a financially secure future. Since 1948 Schwäbisch Hall has been involved in the financing of over 5.9 million housing units (building, buying, modernizing or refurbishing).

The successful cooperation within the bank society's financial services is based on the VR Services specifications. They provide the technical and organizational solutions for the interface applications. To implement VR Services, actual marketing and technological standards are employed and combined with a Best-of-Breed.

In the future, data exchange within the financial cooperative will use the VR Services.

The technical foundation is based on Web Service Technology such as WSDL, UDDI and the SOAP Protocol. The cooperative's own WebSphere MQ servers provide the data transport within its network.

The VR Kreditwerk AG develops and operates the VR Services for the building loan association and as its service provider supplies the IT service.

The Task

"The challenge we faced was the integration of separate operation units into an administrable whole", Gunther Lochstampfer the VR Kreditwerk AG consultant for middleware services said.

A J2EE Application Server was already in use and should provide the basis for the VR Service Platform for Schwäbisch Hall now. However an intelligent solution for the connection to the WebSphere MQ Server was still missing.

First to enable communication with the external partners and second to access the internal backend systems operating on Hosts and UNIX.

The Solution

VR Kreditwerk AG already had experience using a J2EE Connector

needed, provides extensive trace information. Further advantages, over and above the J2CA adapter, are the COMPORSYS integration classes that enable the Message Driven Beans of the application server to be operated with the MQ messages.

Within the Message Driven Beans the SOAP protocol of the VR Services is analyzed and forwarded to Session Beans for specialized processing. To access the backend systems several COMPORSYS Connectors for WebSphere MQ are installed within the application server. The EJBs receive a connection from the resource adapter to the MQ Server and send the inquiry; the MQ connector automatically correlates the answer with the inquiry information. Accessibility or protection thereof, Connection Pooling with automatic reconnect and tracing are provided by the infrastructure.

"Thorough feasibility studies have been carried out and we are satisfied with the results. We will pursue further VR Services for the building loan association on this basis", Gunther Lochstampfer concluded.

Further Information

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Architecture (J2CA) conformable adapter for accessing IBM IMS. "So it was logical to continue using this standard and install an adapter for WebSphere MQ", Gunther Lochstampfer declared.

We chose the COMPORSYS Connector for IBM WebSphere MQ as it is easily installed, support XA transactions and, if