



Dealer Management System



SAP BizTalk Integration - Case Study

The Summary

As a leading automotive manufacturer, our client with its extensive dealer base saw a huge opportunity to provide seamless integration of dealer management systems with ERP and other internal systems. So, it turned to AG Technologies to develop an integration platform that would provide an EAI backbone for their internal systems and provide an extensible base for future integration requirements. This solution has significantly improved integration capabilities, reduced integration costs and improved access to information for decision makers.

The Client

Our client is one of the largest automobile manufacturers in Asia. It is ranked as the world's fourth largest two- and three- wheeler manufacturer and the brand is well-known in over a dozen countries in Europe, Latin America, the US and Asia.

The Business Requirement

The Dealer Management System (DMS) is a system in place at the client's dealer offices. The system facilitates dealers to manage their day to day business in an effective way. Important information is available on DMS like Enquiries, Daily retails, Supplier Invoices and Opening stock. This information residing at the DMS is important information. The DMS data needed to be transferred to the client's SAP R/3 and BIW systems.

The Solution

The solution details for the system were as follows:

- The DMS system relays information to the Integration server built on the Biztalk EAI backbone via Web Services, FTP, Email, etc
- The integration server receives the data through the various ports (HTTP, FTP, Email, etc) built using Biztalk and is mapped to the required formats using Biztalk Mapper
- The integration server built around the EAI backbone using Biztalk orchestrations and adapters pushes the information to different systems such as SAP R/3, databases, etc
- The integration server provided the following capabilities

Project Summary

Industry: Automobile

Client Profile: Largest automobile manufacturers in Asia.

Business Requirements:

To integrate dealer management systems with ERP and other internal systems

Solution:

The above requirements were met using Microsoft BizTalk Server 2004. Build an EAI backbone for seamless integration of dealer management systems

Solution Benefits

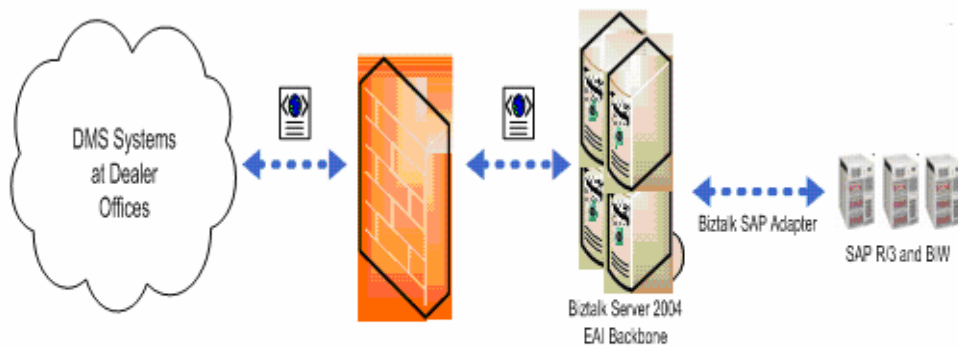
- Improved decision making
- Improved access to information.
- Better response to new business needs.
- Reduction in data redundancies.



AG Technologies

- Use of powerful process orchestration capabilities to define and implement complex pathways
- Ability to expose Biztalk orchestrations as Web services as well as call Web services from within orchestrations
- Use of Health Activity Tracking functionality to identify and track the status of an executing orchestration
- Use of Business Activity Monitoring (BAM) module for online tracking of processes

Solution Architecture:



Technology and Tools:

The solution was built using the following technologies:

- Microsoft Windows Server 2003 Enterprise Edition
- Microsoft BizTalk Server 2004
- ASP.NET with .NET Framework 1.1
- BizTalk Adapter v2.0 for mySAP Business Suite
- Microsoft SQL Server 2000 Enterprise Edition
- Microsoft Visual Studio .NET 2003



The Solution Benefit

- Better response times and improved decision making due to on-time availability of critical business information
- Reduction in data redundancies and sources of multiple data entry thus improving data quality and reliability
- Use of BizTalk Server 2004 to reduce development time and maintenance effort
- Ability to achieve more complex orchestration and interaction between its channels and various back-office systems and to rapidly scale up the number of orchestrated transactions