



SAP BOM Integration



BizTalk Server 2004 - Case Study

The Summary

Client's central requirement was to have an effective BOM Management system. The requirements were met using BizTalk Server 2004 which automated the entire BOM process, and which integrated with other applications like WSS.

The Client

Our client is leading global manufacturer and supplier of broadband products, systems and services.

The Business Requirement

Provide a Bill of Material (BOM) data management system comprising:

- Download of material and pricing list data from SAP into pre-defined Excel templates
- Offline modification of data; and
- Subsequent upload of data into an Oracle database after verification with SAP

Project Summary

Industry: Manufacturing

Client Profile: Leading global manufacturer and supplier of broadband products, systems and services

Business Requirements:

Provide a Bill of Material (BOM) data management system.

Solutions:

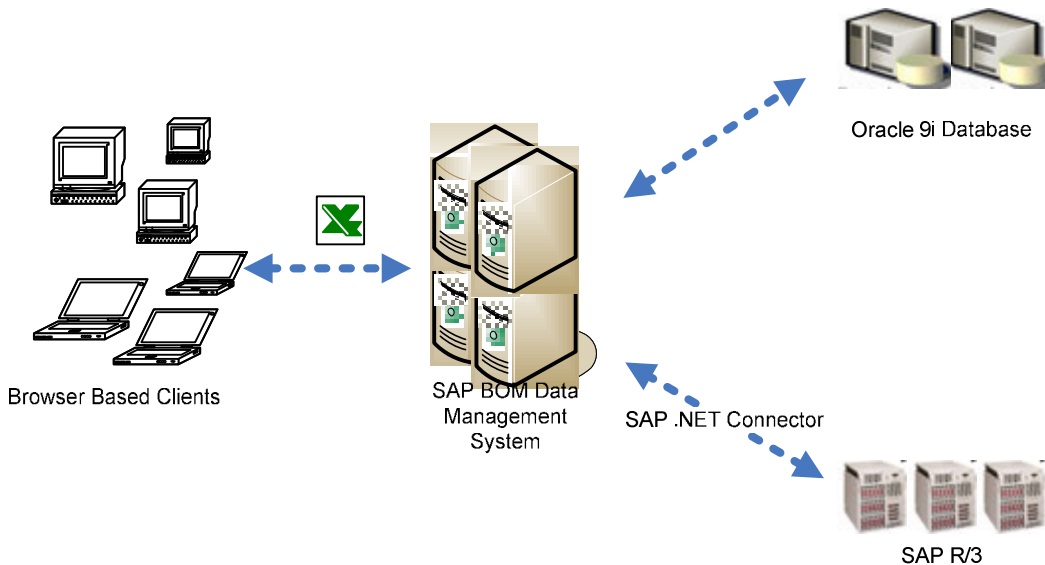
Developed a BOM data management system using Biztalk server 2004

Solution Benefits

- Improved data Quality
- Reduction in data redundancies
- Reduced cost of SAP licenses



Architecture



The Solution

The solution details for the system were as follows:

- Sales people access a Windows SharePoint Services (WSS) site using their web browser and access the BOM data management system
- Using the system, they download material and pricing list data from SAP into pre-defined Excel BOM templates. The system provides support for defining new Excel BOM templates
- The sales people visit the customer sites (could possibly be offline) and make changes to the BOM Excel spreadsheets by entering the quantities, revised prices, additional items, discounts, etc.
- On reconnecting to the web, the sales people access the system and upload the modified spreadsheets
- The system saves the Excel spreadsheet on the WSS site, verifies the data in the BOM spreadsheet against SAP to ensure that the material numbers exist and the correct discounts are applied and subsequently saves the data in the BOM to the Oracle database
- The BOM data management system provided the following capabilities:



AG Technologies

- o Detailed error reporting
- o Detailed backfiles
- o Rich collaborative features of WSS

Technology and Tools:

- Microsoft Windows Server 2003 Enterprise Edition
- Microsoft BizTalk Server 2004
- BizTalk Adapter v2.0 for mySAP Business Suite
- SAP 4.6D
- Oracle 9i
- Microsoft Office XP and above
- Microsoft SQL Server 2000 Enterprise Edition
- Web Services
- Microsoft Visual Studio .NET 2003
- ASP.NET with .NET Framework 1.1

The Solution Benefit

- Seamless Integration with multiple systems ensured improvement in data quality by providing a single focal point for data manipulation, validation and control
- Reduction in data redundancies and sources of multiple data entry thus improving data quality and reliability
- Reduced cost of SAP licenses