



## Case Study



# Data Migration Challenge

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# BUSINESS CHALLENGE

Whenever our client Sigma Micro deploys its integrated ERP solution with end-users (internet and catalog retailers), a data conversion process is required from the existing legacy systems (data sources include flat files, COBOL files, Microsoft Access database, oracle, other proprietary databases, etc.) into our client Sigma's database on SQL Server 2000/2005. This effort is tedious, time consuming and error prone. The data feeds are scattered across multiple data sources and are in a highly de-normalized form with redundant information unsuitable for migration. Custom migration scripts were developed for each conversion and these scripts would not be reusable with other conversion feeds.

# SOLUTION

The appropriate solution was to get the required information from disparate and diverse sources and format them in a consistent way to be used later by a set of DTS/SSIS packages on SQL 2000/2005. These migration packages would then validate the data by applying defined business rules, and then load the validated data into the client's production database.

# WHAT WE DID

Suyati's data conversion team worked closely with the client's data architects and implementation specialists and designed a set of standardized and intuitive data formats and scripts by gathering inputs from end-users and feedback from lessons learnt exercises from several previous migrations. The implementation team would assist the end-users to help get the data into these intuitive formats.

Once the end-user data are made available in the specified formats, a set of specific and reusable scripts designed to work with a set of standardized formats in excel, access and text file feeds would be used to migrate the data to our client's proprietary system. These scripts were designed on SQL 2000/SQL 2005 versions, and highly flexible and adaptable to future enhancements.

# RESULT

This solution significantly reduced the transition time for our client's customers from legacy systems to our client's flagship product Sigma Commerce. The reuse of scripts eliminated countless hours spent on designing and coding scripts, validating, migrating data and testing for each conversion. Furthermore, the conversions were more accurate and consistent and the client could take more customers live on the ERP solution much quicker than ever before.



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