



High Performance Data Integration

Case Study

The ETI Oracle High Performance Connector (HPC) is plug-n-play technology that resides on the SQL Server platform and is fully integrated with SSIS. It moves limitless volumes of data from Microsoft SSIS to Oracle, requires no configuration or special training, and is easily accessible and configurable.

“ETI Connectors provide an efficient and fast way to load data from non Microsoft-based environments into SQL Server 2005.”
Donald Farmer Group PM, Microsoft Corp.

Countrywide Saves Money and Increases Developer Productivity with ETI and Microsoft

Countrywide, a diversified financial services company, is focused primarily on real estate finance and related activities. Through its family of companies, Countrywide originates, purchases, securitizes, sells, and services residential and commercial loans.

Since the company's founding in 1969, its mission has been to help individuals and families achieve and preserve the dream of homeownership. The company pursues its mission by offering single-family mortgage loans through retail, wholesale and correspondent lending channels. Over nearly 40 years, the company has helped about 20 million Americans to achieve the dream of homeownership. Countrywide currently has approximately 9 million loans in its servicing portfolio.

Four years ago, Countrywide embarked on a multiyear project to rewrite, from the ground up, a next-generation loan origination application to provide better customer service and to handle the volume of loans that Countrywide processes each day. The new application is on schedule to roll out in the summer of 2008.

The Business Challenge

To successfully implement the new application, data from multiple flat files, Oracle, and SQL Server databases must be integrated into the new Loan Origination application, which runs on Oracle. In

keeping with U.S. economic conditions and the market environment, the project team also was asked to find ways to reduce costs around the implementation process.

Robert Kriger, Vice President of Data Architecture, who is in charge of all ETL projects for the Next Generation Loan Origination system (NexOS), saw the obvious answer: use Microsoft's ETL Integration Services, a component of SQL Server 2005, rather than the Countrywide standard ETL product.

"The existing ETL standard product for UNIX environments is a very respectable tool, but comes with a significant price tag," Kriger noted. "SSIS, on the other hand, provides a robust ETL platform for a fraction of the price and it's much easier to find and train development resources and lower the overall cost of maintenance."

The Technical Challenge

As the Countrywide team began building ETL packages they quickly realized that SQL Server Integration Services (SSIS) was limited in its cross-platform support, particularly with Oracle connectivity. This meant Countrywide developers had to design and build additional complexity into each SSIS ETL package. This created a hit to Countrywide's developer productivity and increased maintenance support over the life of the project.

The Solution

To increase the functionality of SSIS, the Microsoft account team reached out to ETI, a Microsoft Gold Certified partner that further enables SSIS in enterprise ETL. ETI worked with Countrywide and the Microsoft SSIS product team to understand the specific SSIS limitations, which were then addressed by using an ETI SSIS/Oracle High Performance Connector.

Highlights of added functionality include:

- Support of auto-mapping table/fields between Oracle and SSIS using parameterized SQL
- Support for auto-incrementing key fields at run time
- Enhanced support for Oracle Sequences

The ETI Oracle High Performance Connector (HPC) is plug-n-play technology that resides on the SQL Server platform and is fully integrated with SSIS. It moves limitless volumes of data from Microsoft SSIS to Oracle, requires no configuration or special training, and is easily accessible and configurable. ETI's HPC for Oracle provides high performance for loading data by using Oracle's load facilities. By exploiting the native support in Oracle, the ETI HPC provides the best possible support and performance as well as ease of use and high reliability. ETI HPCs are designed to work just like an OLEDB or .NET provider, except customers get speed and high performance against massive volumes of data because of the tight integration with Oracle and SSIS data flow adapter technology and because there is no requirement to land the data prior to loading.

The Results

The switch to SSIS, and the reduction in licensing fees and training costs that goes along with that change, has significantly reduced Countrywide's cost of implementation. With the addition of the ETI High Performance Connector for Oracle, Countrywide has gained additional ROI with:

- Reduced time in developing additional dataflow components
- Reduced overall complexity in SSIS packages

- Reduced time in maintaining SSIS packages

For all future ETL development requiring the import or export of data between the NexOS system, the Countrywide NexOS team will continue to use Microsoft SSIS in conjunction with other third-party products, such as ETI High Performance Connectors, and will continue to look at ways to further reduce costs by promoting this strategy to other departments within the company.

Learn More

Contact ETI:

High Performance Data Integration

www.eti.com

information@eti.com

“ETI offers unsurpassed high speed connectivity to legacy systems, 3rd party systems and non-standard file systems. Their products include both ready-made and customized and are capable of running in native format on the sources and target systems as well as plug-and-play.”

Dan Linstedt

“ETI’s HPCs enhance SQL Server 2005 Integration Services’ abilities to efficiently process high volumes of data bi-directionally . . . We are excited to see the results customers are experiencing using SQL Server 2005 and ETI HPCs.”

Tom Casey, General Manager
SQL Server BI, Microsoft Corp.