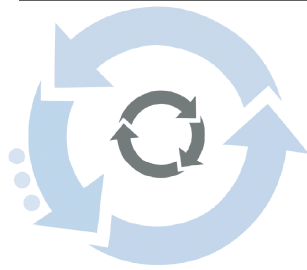


# Extending MultiValue Data Integration With SQL SERVER INTEGRATION SERVICES



**mv.SSIS from BlueFinity**  
EXTENDING MULTIVALUE DATA INTEGRATION

BlueFinity International's mv.SSIS product provides seamless integration between MultiValue databases and Microsoft SQL Server 2005 and 2008 by utilizing Microsoft SQL Server Integration Services (SSIS). SSIS is a graphical based integration tool which allows data flow processes to be built for purposes such as data mining, data migration, reporting and OLAP (OnLine Analytical Processing).

mv.SSIS allows data to be extracted from your MultiValue databases and then transformed and loaded into the SSIS (SQL) environment — opening up the entire SQL Server set of tools and utilities to MultiValue database users!

## What is Microsoft's SSIS?

Microsoft SQL Server is delivered with a sophisticated tool set called SQL Server Integration Services (SSIS) to enable data from multiple sources to be consumed. SSIS is a platform for building enterprise-level data integration and data transformations solutions. You use Integration Services to solve complex business problems by copying or downloading files, sending e-mail messages in response to events, updating data warehouses, cleaning and mining data, and managing SQL Server objects and data. These data 'packages' can work alone or in conjunction with other packages to address complex business needs. Integration Services can extract and transform data from a wide variety of sources such as XML data files, flat files, and relational data sources, and then load the data into one or more destinations.

## SSIS Packages

Integration Services includes a rich set of built-in tasks and transformations; tools for constructing packages to design control flow data processing logic; and the Integration Services service for running and managing these packages. You can use the graphical Integration Services tools to create solutions without writing a single line of code; or you can program the extensive Integration Services object model to create packages programmatically and code custom tasks and other package objects. Once designed, these packages are compiled into '.dtsx' packages which can then be distributed and run on any machine with the SSIS tools installed.

## BlueFinity's SSIS Solution

mv.SSIS provides two new objects within the SSIS toolkit and utilizes BlueFinity's mv.NET product to connect to a MultiValue database: an "mv.NET Connection Manager" and an "mv.NET Data Source".

The Connection Manager provides an SSIS-aware connection to an mv.NET-based data provider which then can be used throughout an SSIS package.

Data sources are used within 'Data Flows' and use a Connection Manager to connect to a data provider and then feed data into the rest of the 'Data Flow'.

To connect to a MultiValue database from within an SSIS package, the user must first add an mv.NET Connection Manager to the package then within a 'Data Flow Task' add an mv.NET Data Source. From within the custom mv.SSIS data source editor the user can define what data they want to read into the process. The rest of the transformations and destinations are then defined as per the user's requirements using any of the standard SSIS 'Data Flow Transformations' and 'Data Flow Destinations'.

SSIS provides comprehensive scheduling features, allowing the developer to define when data transfers are to be initiated from within the Windows environment. Additionally, on MultiValue databases which support file 'triggers', transfers can also be initiated from the MultiValue database environment based on file updates using mv.NET's existing DBRPC capabilities.

The mv.SSIS product follows in the footsteps of its other sibling BlueFinity products by providing the SSIS developer with a tightly integrated, natural extension to the native SSIS environment allowing them to seamlessly incorporate MultiValue data sources into their existing or new SSIS workflow packages.

