

## Mule Data Integrator

Graphical data mapping, automated verification testing, and runtime data transformation

### Overview

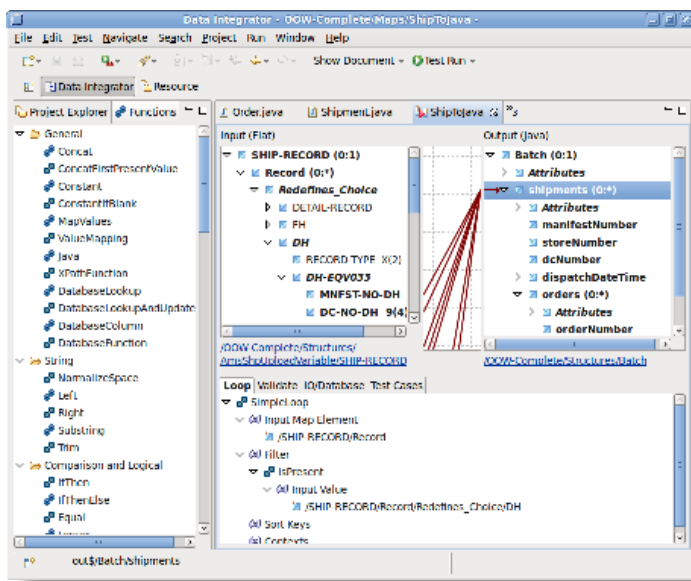
The integration of applications and data sources almost always requires some amount of data integration. Examples might include integrating data sources (e.g., XML/database to Java) when upgrading an application, handling data from legacy COBOL and mainframe systems, or integrating various data formats when on-boarding customers and trading partners.

These data integration problems often require developers to perform complex mapping and transformation tasks. Creating, testing, and maintaining these maps manually in code is extremely time-consuming and costly to manage and support over time.

Mule Data Integrator is an end-to-end solution for complex data integration and transformation, simplifying the development, maintenance, and deployment of data maps. With its intuitive Eclipse-based graphical designer, non-technical personnel can easily create maps, leveraging Mule Data Integrator's extensive support for sample documents and complete capture of specification descriptions. The designer reduces the maintenance burden with automated version upgrades and regression testing. Mule Data Integrator's high-throughput runtime engine is fully integrated with Mule ESB, providing a comprehensive infrastructure for application integration and SOA.

### Powerful and intuitive data transformation

- **Eclipse-based graphical designer** for intuitive visual mapping of complex transformations
- **Rich mapping functionality** with broad support for multiple data formats
- **Developer productivity features** to dramatically shorten the development/test cycle
- **High throughput runtime** — ideal for real-time application and data integration scenarios
- **Seamless integration with Mule ESB** — deploys as a native Mule service for simplified deployment and management



## Mule Data Integrator Features

	Features	Benefits
<b>Graphical designer</b>	<ul style="list-style-type: none"><li>▶ Eclipse plug-in</li><li>▶ Rich visualization and navigation</li><li>▶ Comprehensive search functionality</li></ul>	Simplify complex data integration tasks through graphical tools, enabling even non-programmers to build data maps
<b>Mapping</b>	<ul style="list-style-type: none"><li>▶ Broad support for multiple data formats (e.g., Java/POJO, XML, XSD, WSDL, database, COBOL, flat file)</li><li>▶ Rich mapping function library</li><li>▶ Tree-based mapping expressions</li><li>▶ Advance looping</li><li>▶ Database lookup</li></ul>	Perform advanced data mapping across all common data formats
<b>Validation</b>	<ul style="list-style-type: none"><li>▶ Automated validation against specification constraints</li><li>▶ Custom validation rules</li><li>▶ Context capture and post-processing of results</li><li>▶ Comprehensive and user-friendly reporting</li></ul>	Easily implement validation and clear error reporting to end users
<b>Developer productivity</b>	<ul style="list-style-type: none"><li>▶ Visualization of sample instance documents by element</li><li>▶ Extensive support for management of sample instance documents</li><li>▶ Incremental map execution</li><li>▶ Custom annotations</li></ul>	Leverage existing work and dramatically shorten the development/test cycle
<b>Structure editing</b>	<ul style="list-style-type: none"><li>▶ Real-time visual flat-file structure designer supporting arbitrary formats</li><li>▶ Structure inheritance for simplified version migration and custom implementations</li><li>▶ Automated capture, documentation and validation of semantics</li></ul>	Simplify the editing, validation, and documentation process through powerful rules and automation
<b>High throughput runtime engine</b>	<ul style="list-style-type: none"><li>▶ Deployed as a Mule ESB transformer and service component</li><li>▶ Sophisticated caching</li><li>▶ Fully thread-safe</li></ul>	Deploy and manage into real-time production environments seamlessly through Mule ESB

## About MuleSoft

MuleSoft is the Web Middleware Company. With iBeans, the lightweight and powerful Mule ESB, and the recently announced MuleSoft Tcat Server, MuleSoft brings simple yet powerful infrastructure to today's dynamic Web applications.

For more information:  
[www.mulesoft.com](http://www.mulesoft.com)

or email  
[info@mulesoft.com](mailto:info@mulesoft.com)