

The HULFT logo is displayed in a bold, orange, sans-serif font. It is positioned in the upper left corner of the page, set against a background of a blurred laptop keyboard and abstract digital light trails in shades of blue and purple.

A comprehensive data logistics platform.

## HULFT Integrate

*Find, secure, and transform information at scale.*

Imagine replacing what used to take up to thousands of lines of code with 13 drag-and-drop icons. And imagine creating a powerful, comprehensive, high-speed data integration architecture that is securely compatible with all your major data destinations through a simple, intuitive visual interface.

HULFT Integrate\* allows you to do more with less. It provides a drag-and-drop user interface to create cooperation flows, data conversion, and processing so that complex data connections are easier than ever to execute. Normally, even the simplest processing flows could take thousands of lines of Java code. With HULFT Integrate, click, touch, and connect with hundreds of pre-coded and proven functions, lowering development lead time and operational costs.

### Why HULFT Integrate?

#### Reduce your data prepping time

Our intuitive approach eliminates development time. Rapid integration processing, script development, debugging, logging, and triggering are all executed through a single, user-friendly drag-and-drop user interface. Automatically self-documenting system lowers support loads.

#### Diverse adapters that scale to your needs

Our rich set of 50+ adapters for accessing information contained in diverse data sources and legacy applications work together and remain flexible to meet a wide variety of your integration needs which ultimately accelerates your project timeline. HULFT Integrate enables simple data interfacing, flexible data conversion processing – all independent of programming languages and without the need to modify existing systems.

#### Part of a comprehensive data logistics platform

Data teams are working around the clock to discover, sort, collect, secure, and transfer information, often coding scripts to integrate complex systems.

### Benefits to Your Business

**Provides high-speed, worry-free** creation of data management applications that integrate and process data in flows created by a simple drag-and-drop user interface.

**Simplifies your data workflow,** and enables anyone to design sophisticated and automated data extraction and integration scripts quickly and easily.

**Scales to the complexities** of your data decisions, from small, quick analysis to high-volume production flows.

**Meet compliance and auditing requirements** – HULFT solutions provide visibility into every aspect of your data management process so you can track SOX, HIPAA, and more.

# HULFT Integrate

HULFT Integrate fits into HULFT's comprehensive data logistics platform, which includes HULFT Transfer and HULFT Director. HULFT Transfer is a next-generation managed file transfer solution, while HULFT Director is the "glue" that brings together both data transfer and integration for highly flexible, web-based central management that includes user authentication, access control, workload processing, system status updates, and more.

With over 10,000 companies spanning finance, health and manufacturing sectors across 43 countries using the software, HULFT occupies the second largest global market share. We are one of the most trusted and widely adopted data logistics solutions on the market today.

## Key Features

### Data mapping\*

A powerful and flexible graphical data mapping component for mapping between an input structure and an output structure. It handles both tabular and hierarchical formats and...

***allows mapping between similar formats:***

Tabular > Tabular

Hierarchical > Hierarchical

***as well as dissimilar formats:***

Tabular > Hierarchical

Hierarchical > Tabular

Hulft Integrate's data mapping tool provides looping capabilities and access to a rich set of functions for manipulation, calculation, conversion, and data formatting. Sample input data can be configured so that immediate output results of the mapping can be seen without requiring execution of the entire data integration project.

### Merge Mapping

A second graphical mapping tool that combines two or more input data sets into a single output data set. Create appending data sets, merging data sets and joining data sets using a simple drag and drop graphical interface.

### Graphical Debugger

This feature enables project level execution debugging. A developer can view real-time execution in a flow, and set breakpoints within a flow to monitor the environment. Debug information provides the current values of all scripts, components, and variables, allowing the developer to interrogate execution state.

### Adapters & SDK

At the heart of HULFT Integrate is the ability to reach out to a wide variety of data stores and data providers whether local, on premises, or in the cloud. Such data stores range from text files to Excel spreadsheets, databases, message queues, email servers, FTP servers, web services, cloud stores, applications and big data repositories. The SDK allows for development of custom adapters.

### Automated Parallel Processing

For minimal memory consumption, HULFT Integrate's execution engine automatically takes advantage of parallel processing within specific components. This allows for processing of large data sets while preserving low memory usage for the system. HULFT Integrate allocates a specific number of threads to a flow and data streams through each flow component for each thread.

### Built-in Versioning

When configured with a repository database, HULFT Integrate provides automatic built-in versioning of projects, which makes it simple for developers to revert to prior versions of projects if necessary, and greatly simplifies overall code management. It also allows users to export projects at specific versions for deployment and backup purposes.

### Documentation Generator

With a single click, an entire set of project documentation is generated in HTML format. The documentation specifies each script (flow) within a project, all components and their configurations, as well as details on all data mapping and merge mapping operations.

\*Additional features. The data mapping tool also provides a rich set of functions to for computation, arithmetic, date parsing, date formatting, provision of constants, null or empty check, concatenation, and more.

# HULFT Integrate

## Studio Web Console

HULFT Integrate provides a web-based version of Studio – the integrated development environment of HULFT that utilizes intuitive GUI tools and can centrally operate the creation of integration scripts, operation setup, and server control. With Studio web console, users and developers are not required to install the Studio “thick client” on their local machines and can instead leverage a web browser.

## Pre-built Security and User Roles

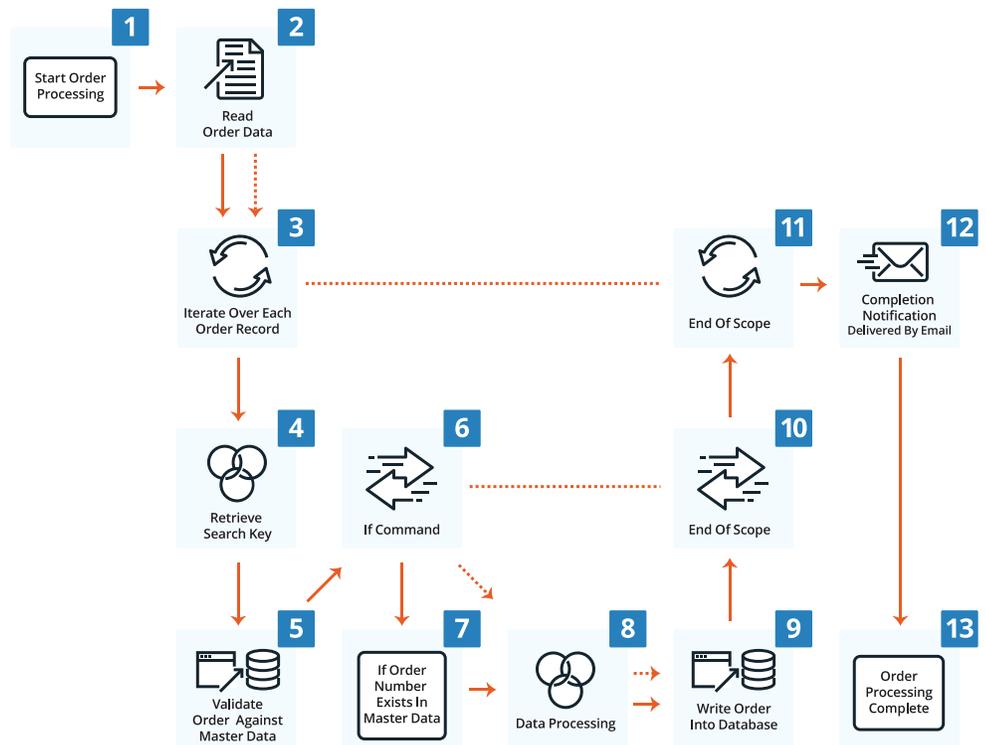
HULFT Integrate provides its own built-in user and group security framework. For enhanced access management, projects can be configured per user or group by what they can read, write, and register.

### Standard Process

- Tedious coding work
- Slow development process
- High probability of human error

### An Example of a HULFT Integrate Process

- Eliminate IT grunt work
- Cut development time
- Manage your end-to-end data integration with a simple, drag-and-drop process



This image depicts a flow where order data is being read from a file, and ultimately written to a database. It is extracting, validating, writing, and processing order records into a separate database. With HULFT, your data integration projects can be easily customizable according to your requirements

# HULFT Integrate

Fast data ingestion requires a robust set of adapters. HULFT Integrate connects you to all your diverse data sources, no matter where they reside.



## Database

Access, DB2, DB2 for I, JDBC, MySQL, Oracle, ODBC, PostgreSQL, SQLServer, MongoDB, NeoCore

## Network

FTP, JMS, Mail, REST, Web, WebServices

## Files

CSV, Excel, File Operation, Filesystem, Fixed Length, Apache Hadoop, HTML, Variable Length, XML

## Cloud

Amazon Web Services, Cloudn, Google Apps, Kintone, Microsoft Azure, NiftyCloud, Salesforce

## Application

Dr.Sum EA, List Creator, Microsoft Dynamics AX, SAP, SAPBC, SAP Table Query, Sedue, SVF, Tableau

## Groupware

IBM Domino IBM Notes

## SDK

Java based SDK

## Middleware

HULFT Transfer Hadoop HDFS

## About HULFT, Inc.

Today's enterprise works hard for data. IT spends time and money manually connecting far-flung silos of data which are often insecure. A division of Saison Information Systems (TYO: 9640), HULFT has helped more than 10,000 global customers automate, orchestrate, and accelerate the secure flow of information at scale. HULFT provides a single global platform that helps IT quickly find, secure, organize, transform, and move the right information – automating the entire business process of data flow, and unlocking value in a sea of information. With 25 years of customer experience, HULFT is the engine that makes data work.



Visit us at  
<https://hulftinc.com>



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[info@hulftinc.com](mailto:info@hulftinc.com)

\*HULFT Integrate is sold in the U.S. and is available in other countries under the brand DataSpider Servista