Data Processing & Conversion Tool

DataMagic

A data conversion tool offering a wealth of functions and breathtaking conversion speed, at a surprisingly low cost

SAISON INFORMATION SYSTEMS CO.,LTD.

Do you struggle with data processing?

Issues

We need various kinds of "data processing" to integrate different systems....

Solution 1

We want to unify data that uses different character codes in different systems

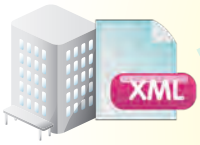
External characters and user code tables can be used without any problem, and code conversion also fully supports Windows-specific characters

Business Partner

Solution 2

We want to batch-convert existing data into a new format

Conversion of different companies' file formats into your own system's format



Business Partner

Oracle, SQL Server
DB2, PostgreSQL, ODBC

DataMagic solves all kinds of issues, from "data processing" to "code conversion"

DataMagic

\ Solved! /

We don't understand the data processing contents created by the predecessor...

Data processing information can be formatted in an Excel spreadsheet as a specification document and utilized in the creation of spec documents!

Solution 5

We want to delete only invalid data and store it in the database

Integration with each company's RDB! Data is unified through cleansing

Solution 3

Overseas Office

We want to extract only specified data from business systems at an overseas office

The display language can be switched from Japanese to English, and specific data in the database can be extracted automatically

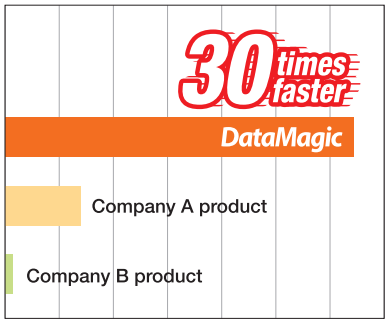
Solution 4

Dramatic increase in conversion efficiency: 3-10 times faster than rival products!

DataMagic's biggest selling point is its processing speed. Equipped with a high-speed data-conversion engine compatible with multi-thread processing, it can convert large volumes of data in an instant, including code conversion and item swapping. Processing speed is up to 10 times faster than rival data conversion tools.

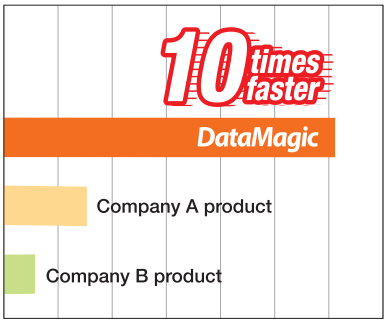
Amount of conversion processing per second

● Text Conversion



(Code conversion processing SJIS ⇨ UTF-8)

● CSV Conversion



(Code conversion SJIS ⇨ UTF-8;
Format conversion processing FMT ⇨ CSV)

DataMagic supports you with a wealth of functions needed for data processing

DataMagic provides powerful support for data processing: it is packed full with a host of the outstanding features that systems engineers want, including the essential data processing functions - data extraction, item summation, layout conversion and code conversion.

[Code Conversion Function]

Full support for conversion to user-defined external characters and EBCDIC, as well as problematic Windows-specific characters (～ ‖ - ¢ £ ¬) when converting to Unicode. CSV and XML format conversion is also possible, as well as conversion of standard formats such as Zengin and CII based on the hierarchy format. In previous versions, characters not defined in JIS Level 1 or Level 2 required registration in a table of external characters. Beginning with the most recent version, "DataMagic Ver. 3," users can choose whether to convert characters not defined in JIS Level 1 or Level 2 when converting code between SHIFT-JIS, IBM kanji, UTF-8, and UTF-16. In the case of UTF-8 and UTF-16, Ideographic Variation Selector (IVS) is also supported.

● Convertible Code Types

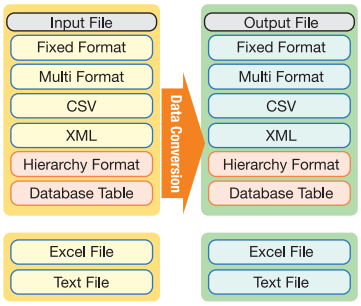
[Character Code]

SJIS, EUC, JEF, KEIS, IBM, NEC kanji, UTF-16, UTF-8, JIS

[Single-Byte Code]

ASCII, ASPEN, Kana characters, Lowercase, NEC kana characters, IBM lowercase, IBM lowercase, extended

● Supported Data Formats

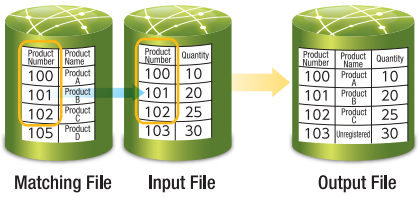


*For text files, only "text ⇔ text" conversion is supported.

Matching Function

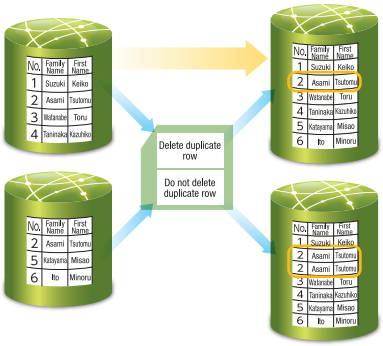
Multiple related files can be combined and converted by specifying the matching condition(s).

Matching Condition Product Number = Product Number
*If there is no match with the settings, "Unregistered" is output as the Product Name



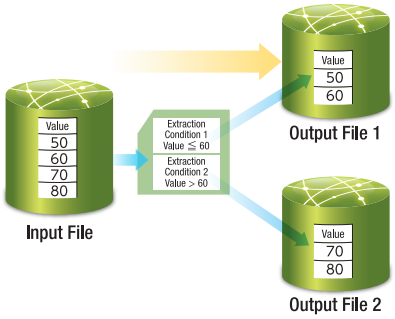
Merge Function

Two or more data can be consolidated into one data. For "Handling of duplicate row," whether or not to delete can be selected in the settings.



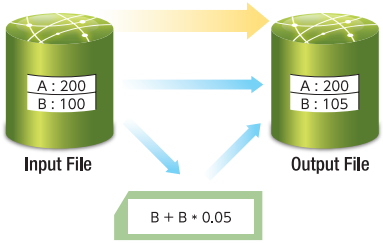
Output Location Sorting Function

Output files can be sorted according to the extraction condition.



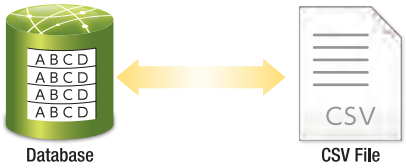
Numeric Value Item Computation Function

The computed result can be output as the output item value.



Database Integration Function*1

Integration with DB2, Oracle, SQL Server, PostgreSQL, and ODBC is supported.

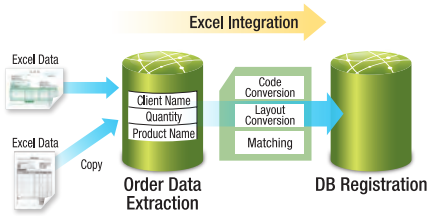


*1 To use the database integration function, the database connection option needs to be installed.

Excel Integration Function*2

Excel files in different formats are gathered and processed, and data integration is automated!

(Output from database to Excel is also possible)



*2 To use the Excel integration function, the Excel option needs to be installed.

Other Functions

- Fullwidth/halfwidth conversion
- Date item operation
- User exit conversion
- Customized errors
- Output format specification
- Mathematical function
- Data insertion
- Step execution
- Input sorting
- Mapping
- Specification document output
- Switch display language to English or Japanese
- Attribute conversion
- Dynamic specification
- Tutorial

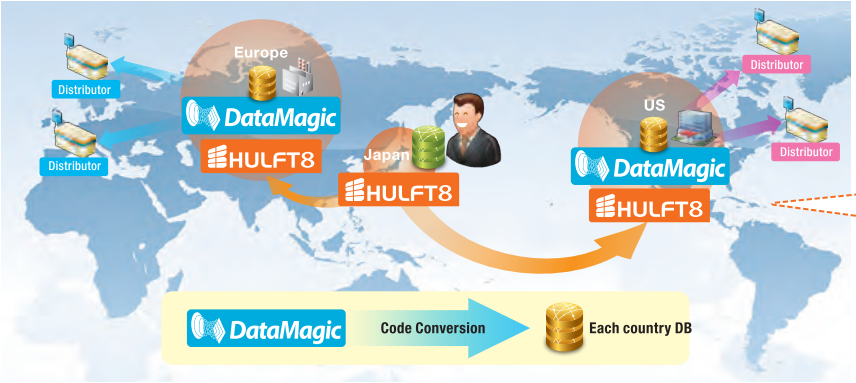
Use *DataMagic* for data conversion needs at overseas sites

Instant conversion of different country character and product codes with DataMagic

DataMagic is equipped with a language selection function, making it possible to switch between Japanese and English on the settings screen. By using **DataMagic**, local staff can handle the conversion of database character and product codes in English.

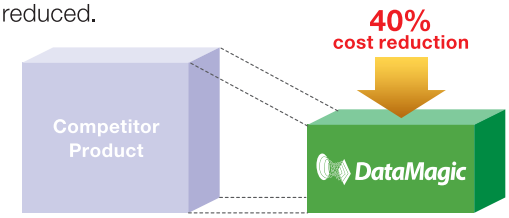
Before — The product master data managed in Japan needs to be converted according to the different country product codes and applied in real time.

After — The product master is sent via HULFT every week from Japan to the overseas affiliate. The overseas affiliate writes each country's product codes—which have been converted using DataMagic—to the database.



Significant cost reduction

With the Windows version, installation is among the lowest cost in the sector. As no new program development is needed for data processing, the installation timescale and cost can be significantly reduced.



*60% of competitor products (Saison survey)

We can provide you with Japanese quality of performance.

The HULFT series of products, centered on the data integration tool HULFT, has achieved sales performance of **8,400 companies/181,100 units worldwide**.

Inquiries concerning **DataMagic** are handled by your regional distributor. Please feel free to inquire at your convenience.

Differences in functions by product grade

DataMagic Ver.3		DataMagic Desktop	DataMagic Server
Form of Use		Stand-alone type	Client-Server type
		Conversion can be set and executed from a single terminal at the installation site.	In this model, the server and the clients are separate. The server executes conversion, and the clients create definitions and confirm logs of conversion execution. As a standard feature, up to five units can be connected to the server simultaneously.
Function	Extraction, sorting, matching, merging, distributing, replacing, numeric conversion, padding, attribute conversion, date conversion	○	○
	Code conversion, external character conversion, specification document output	—	○
Connection Point	CSV, fixed-length, multi-format, hierarchy format, XML	○	○
Supported Options	Connection Point	Excel	Excel, Oracle, SQL Server, DB2, PostgreSQL, ODBC
	Others		Manager Unlimited Option * This is an option to release restrictions on the number of simultaneous connections.
Price (excluding tax)		￥60,000 ~	￥300,000 ~

For the latest information on the operating environment, please visit the website at http://www.hulft.com/.

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