



Transforming Data Integration from  
"Create" to "Connect"

# DataSpider® Servista

"Servista" has been coined by combining the two words of service and fantasista.  
It means, "the provider of data integration service infrastructure."

**DataSpider Servista serves as an information integration hub that efficiently connects all types of data ranging from the cloud to legacy systems.**

For business enterprises, a diverse range of system integration is indispensable to execute their operations. At the same time, a flexible response will be required for rapid evolution of new technologies such as the cloud, big data and mobile systems. To connect and operate these systems individually would not only cost time and expenditure, but would increase the complexity of system configuration as well. By transforming the "creation" of multifarious inter-system integration into "connection", DataSpider Servista will achieve the development and operation of data integration processes efficiently.



## Features of DataSpider Servista

**Development and operation costs can be substantially reduced through an easy setup that requires no programming**

Program coding is unnecessary for the development and operations of DataSpider. Integration processing can be rapidly created through the use of user-friendly GUI tools. It is equipped with a variety of enriching tools required for data integration such as script development, debugger, logging, specifications, and trigger. Therefore, one does not have to be a skilled programmer to be able to easily and efficiently develop and operate high-quality integration processing.

**Mutual integration of different types of data will be achieved through diverse adapters**

Various types of adapters--databases, files, applications, the cloud, and protocols--can be flexibly combined and integrated. Furthermore, DataSpider has a full lineup of features ranging from the association of input/output data for conversion, calculations, character string processing, code conversions, and merging function. It can achieve everything from simple data interfacing to flexible data and conversion processing on the same level as a programming language.

**Attains high-quality, high-speed performance**

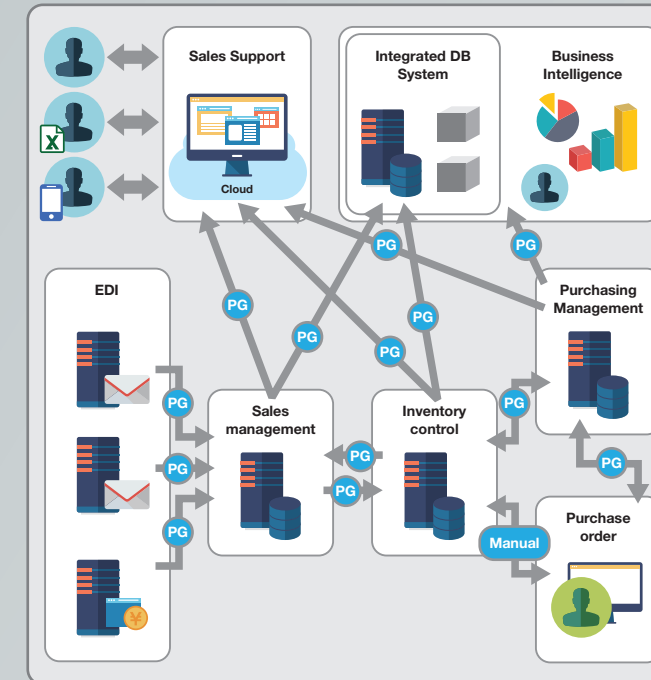
DataSpider can realize high performance on par with program coding since its processing is executed after being converted to a Java program. It can also rapidly integrate big data as a result of its unique mechanism of partitioning data concurrently with parallel execution.

### Use Case 1

## Utilization as a data integration hub

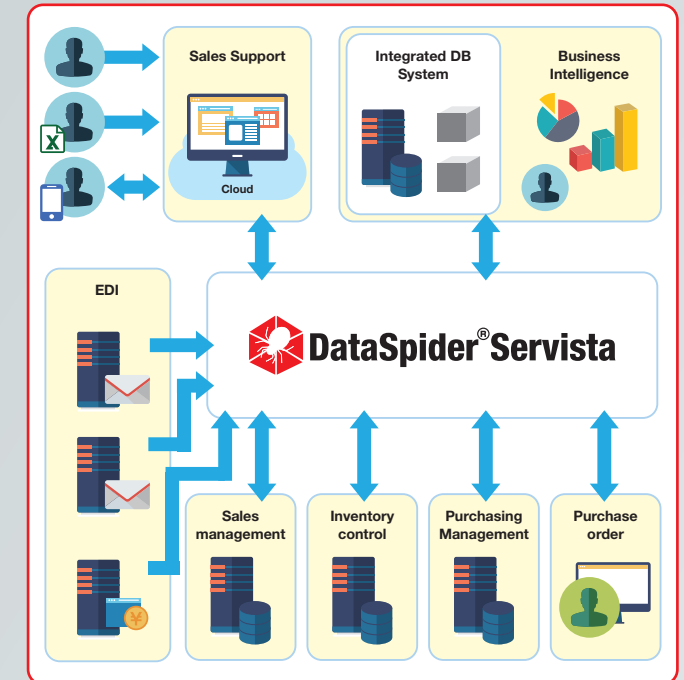
### Prior to installing DataSpider

Numbers of program development and manual data input are required for each types of integrating systems, which impose extra labor hours and costs on companies.



### After installing DataSpider

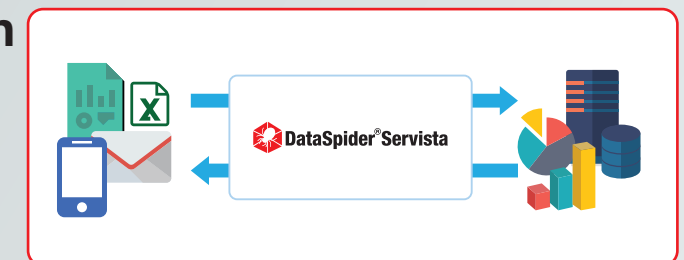
By using DataSpider as a data integration hub, integration has become easy, leading to the reduction in development man-hours and operation costs, allowing for a flexible response to any change.



### Use Case 2

## Automated Operation

Manual operations such as inputting data from Excel that was attached to an e-mail can be automated. Another instance of automation is tabulating the day's sales data and sending it to a mobile device at a fixed time.



### Use Case 3

## Data loading, Data migration

DataSpider can be utilized as an ETL tool for building data marts and data warehouses for BI systems, data syncing during parallel operations, and data migration during system renewals.



### Use Case 4

## Cloud Integration

DataSpider can achieve the hybrid integration of the cloud and on-premise systems. It provides a range of adapter groups--AWS, Google, Windows Azure, kintone, Salesforce, REST, SOAP--that can quickly connect to cloud services.



Package Lineup

DataSpider offers two types of base packages. One is the "Advanced" package that contains a rich lineup of adapters, and the other is "Basic" package that includes general adapters. Depending on the usage, you can select from the combination of a base package and optional adapters.

DataSpider®Servista Advanced Server Package

Basic configuration of package:	Standard trigger functions (7)	Standard adaptor (18)		Optional adaptor			
1 server license 5 development-use client licenses	DB FTP HTTP Web service Applications Schedules Files	Access CSV DB2 Excel File Operation Filesystem Fixed length FTP HTML	JDBC Mail ODBC Oracle REST* SQLServer Variable length WebServices XML	Amazon Web Services Apache Hadoop* BIGLOBE* Cloudn* DB2 for i Dr.Sum EA Google Apps	IBM Domino IBM Notes JMS kintone List Creator* Microsoft Azure	Microsoft Dynamics AX* MySQL NiftyCloud* PostgreSQL Salesforce	SAPBC SAP Table Query Sedue* SVF* Web

\* Please inquire

DataSpider®Servista Basic Server Package

Basic configuration of package:	Standard trigger functions (7)	Standard adaptor (8)		Optional adaptor				
1 server license 5 development-use client licenses	DB FTP HTTP Web service Applications Schedules Files	CSV Excel HTML JDBC Mail ODBC XML Files operation	Select one of the following: · Access · DB2 · MySQL · Oracle · PostgreSQL · SQLServer	Access Amazon Web Services Apache Hadoop* BIGLOBE* Cloudn* DB2 DB2 for i	Dr.Sum EA Filesystem Fixed length FTP Google Apps IBM Domino IBM Notes	JMS kintone List Creator* Microsoft Azure Microsoft Dynamics AX* MySQL NiftyCloud*	Oracle PostgreSQL REST* Salesforce SAPBC SAP Table Query Sedue*	SQLServer SVF* Variable length Web WebServices

\* Please inquire

Operating environment

- Windows Server 2003 / 2008 , 2003 R2 / 2008 R2
- Please inquire for Red Hat Enterprise Linux
- Please inquire for Cent OS
- Please inquire for AIX
- Please inquire for HP-UX
- Please inquire for Solaris

Each vendor will independently make specification changes with regard to operating systems and the operating environment. For inquiries regarding the support status of the latest version, please see below.

Various services

- We provide various technological services.
- Regular training
  - Onsite training
  - Initial introduction support service
  - Professional service

For details, go to the Web <http://dataspider.appresso.com/>

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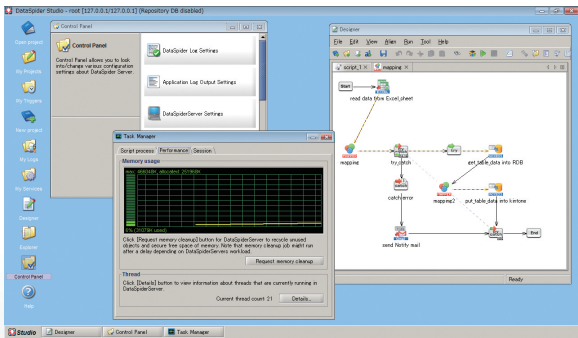
Transforming Data Integration from "Create" to "Connect"

Data integration software that easily and conveniently connects every data from the cloud to legacy systems.



# Studio

Studio is the integrated development environment of DataSpider Servista. By using intuitive GUI tools, Studio can be used to centrally operate the creation of integration scripts, operation setup, and server control.



## about APPRESSO

Operating under the concept of transforming "creation" to "connection," APPRESSO is a software development vendor of the Saison Group that conducts the development, distribution, and support of the data integration software "DataSpider" series. DataSpider Servista, with its rich lineup of adapters and its intuitive and user-friendly integration function, contributes to the increase in productivity and cost reduction in the realm of data integration system development for over 2,000 corporate users.

Configuration Connection

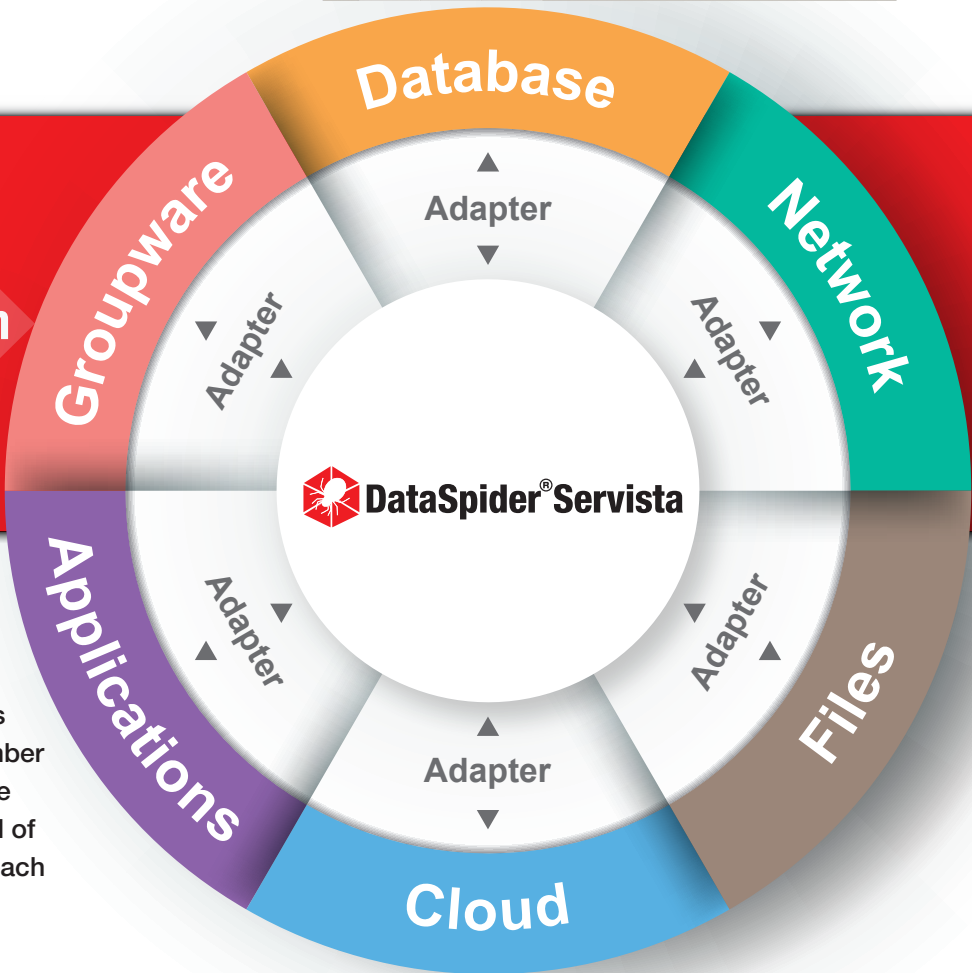
Development

Operation Control

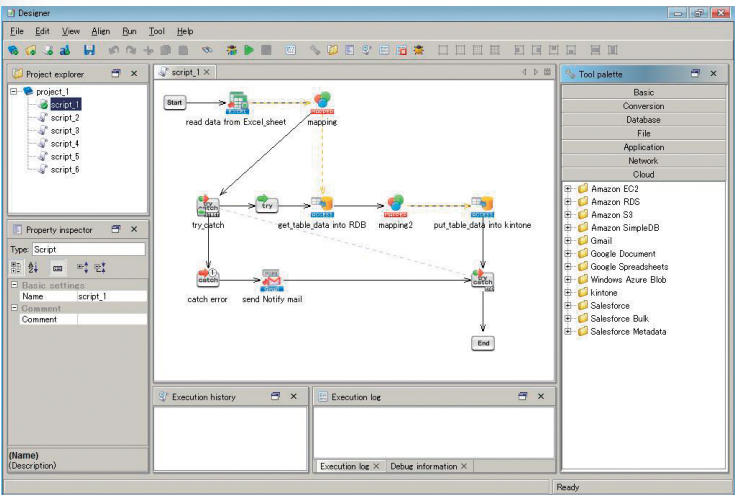
# Adapters

Adapters act as a function to access various data sources. An adapter can provide a number of input/output parts such as “read and write data,” “send and receive files,” and “API call of applications.” Complex API acquisition for each data source or even programming is unnecessary, allowing for easy integration.

Database	Network	Files	Cloud
<ul style="list-style-type: none"><li>Access</li><li>DB2</li><li>DB2 for i</li><li>JDBC</li><li>MySQL</li><li>Oracle</li><li>ODBC</li><li>PostgreSQL</li><li>SQLServer</li></ul>	<ul style="list-style-type: none"><li>FTP</li><li>JMS</li><li>Mail</li><li>REST</li><li>Web</li><li>WebServices</li></ul>	<ul style="list-style-type: none"><li>CSV</li><li>Excel</li><li>File Operation</li><li>Filesystem</li><li>Fixed length</li><li>Apache Hadoop</li><li>HTML</li><li>Variable length</li><li>XML</li></ul>	<ul style="list-style-type: none"><li>Amazon Web Services</li><li>BIGLOBE</li><li>Cloudn</li><li>Google Apps</li><li>kintone</li><li>Microsoft Azure</li><li>NiftyCloud</li><li>Salesforce</li></ul>
Application	Groupware	SDK	
<ul style="list-style-type: none"><li>Dr.Sum EA</li><li>List Creator</li><li>Microsoft Dynamics AX</li></ul>	<ul style="list-style-type: none"><li>SAP</li><li>SAP BC</li><li>SAP Table Query</li><li>Sedue</li><li>SVF</li></ul>	<ul style="list-style-type: none"><li>IBM Domino</li><li>IBM Notes</li></ul>	<ul style="list-style-type: none"><li>Java based SDK</li></ul>
SDK is provided for further expansion of functionality (SDK : Software Development Kit)			
Original adapters and converters can be created by utilizing the Java-based adapter development kit SDK.			

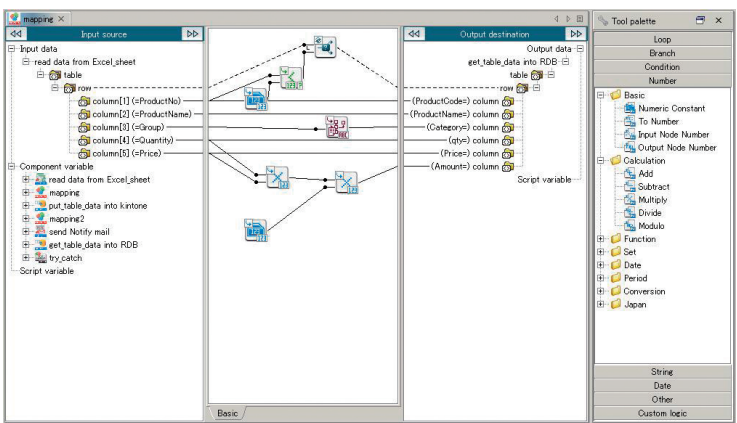


## Designer



Designer is a tool to create a data integration script. Numerous functions are available such as data input/output, branching, looping, and setup of variables and conversion. Drag and drop icons to a canvas can create the flow of processing just like a flowchart.

## Mapper



Mapper is a function that converts input/output data. It not only associates input items with output items, but also achieves flexible conversions by being able to combine over 140 functions such as calculations, string processing, condition judgment and date processing.

## Operation Control with DataSpider

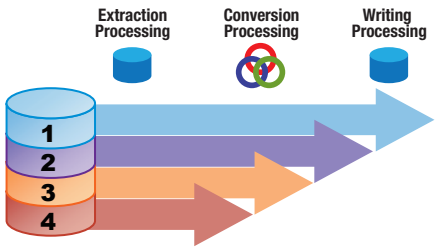
### Trigger

Trigger is a function that automatically starts up and operates the script that has been created through DataSpider. Triggers can be utilized for various requirements such as remote function call, file status change detection, and HTTP (REST) startup.



### Parallel Stream Processing (PSP)

PSP is a mechanism that processes large-volume data in high speed by controlling memory consumption. It attains high-speed processing of big data by partitioning read processing, conversion processing, and write processing into block units while conducting parallel execution.



### High-speed execution through compilation

The DataSpider script that has been created through a GUI tool will be compiled to an executable format after automatic conversion into a Java program. For that reason, DataSpider will realize high-speed performance that is equivalent to the performance when developed from scratch in Java.