

FUJITSU Software

Interstage Information Integrator

V11.0.0

A decorative horizontal band with a red-to-dark-red gradient, featuring abstract, glowing white and red lines that swirl and intersect, creating a sense of motion and technology.

Glossary

Windows/Solaris/Linux

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Preface

This document deals with the following products:

- Interstage Information Integrator Standard Edition V11.0.0

Additionally, the optional products listed below are also included.

- Interstage Information Integrator Agent V11.0.0

Purpose of this book

This book explains the term used with Interstage Information Integrator (It is abbreviated at the following as Information Integrator).

Location of this book

FUJITSU Software Interstage Information Integrator Structure and Overview of Manuals

This document lists the manual structure for Information Integrator, as well as which manuals should be referred to for different user purposes and objectives.

FUJITSU Software Interstage Information Integrator System Design Guide

This document presents an overview of Information Integrator functions, as well as information about system configurations and design issues.

FUJITSU Software Interstage Information Integrator Setup Guide

This document explains how to create an environment after Information Integrator has been installed.

FUJITSU Software Interstage Information Integrator Operation Guide

This document explains how to operate Information Integrator.

FUJITSU Software Interstage Information Integrator Command Reference

This document explains the commands provided by Information Integrator.

FUJITSU Software Interstage Information Integrator Transfer Accelerator Setup Guide

This document explains the outline, the environmental construction method, and operation procedure of III Transfer Accelerator.

FUJITSU Software Interstage Information Integrator Message Guide

This document lists the messages output by Information Integrator.

FUJITSU Software Interstage Information Integrator Glossary [this document]

This document is a glossary of the terms used in the Information Integrator manuals.

FUJITSU Software Symfoware Server Message Guide

This guide explains lists the messages output by Symfoware Server.

Conventions Used in This Document

Manual titles

The manual titles listed in this document are abbreviated as below.

Information Integrator manual

Abbreviation	Official title
Structure and Overview of Manuals	FUJITSU Software Interstage Information Integrator Structure and Overview of Manuals
System Design Guide	FUJITSU Software Interstage Information Integrator System Design Guide
Setup Guide	FUJITSU Software Interstage Information Integrator Setup Guide
Operation Guide	FUJITSU Software Interstage Information Integrator Operation Guide

Abbreviation	Official title
Command Reference	FUJITSU Software Interstage Information Integrator Command Reference
Transfer Accelerator Setup Guide	FUJITSU Software Interstage Information Integrator Transfer Accelerator Setup Guide
Message Guide	FUJITSU Software Interstage Information Integrator Message Guide
Glossary (This document)	FUJITSU Software Interstage Information Integrator Glossary

Related manual

Abbreviation	Official title
Symfoware Message Guide	FUJITSU Software Symfoware Server Message Guide

Abbreviation

The name of the product described in this book is omitted as follows and written.

In this book, the registration display ((TM) or R) added in the system name or the product name is omitted.

Abbreviation	Official title
Windows	Microsoft® Windows Server® 2012 Foundation
	Microsoft® Windows Server® 2012 Essentials
	Microsoft® Windows Server® 2012 Standard
	Microsoft® Windows Server® 2012 Datacenter
	Microsoft Windows Server 2008 Foundation
	Microsoft Windows Server 2008 Standard
	Microsoft Windows Server 2008 Enterprise
	Microsoft Windows Server 2008 Datacenter
	Microsoft Windows Server 2008 Standard without Hyper-V
	Microsoft Windows Server 2008 Enterprise without Hyper-V
	Microsoft Windows Server 2008 Datacenter without Hyper-V
	Microsoft Windows Server 2008 R2 Foundation
	Microsoft Windows Server 2008 R2 Standard
	Microsoft Windows Server 2008 R2 Enterprise
	Microsoft Windows Server 2008 R2 Datacenter
	Microsoft Windows Server 2003, Standard Edition
	Microsoft Windows Server 2003, Enterprise Edition
	Microsoft Windows Server 2003, Datacenter Edition
	Microsoft Windows Server 2003, Standard x64 Edition
	Microsoft Windows Server 2003, Enterprise x64 Edition
	Microsoft Windows Server 2003, Datacenter x64 Edition
	Microsoft Windows Server 2003 R2, Standard Edition
	Microsoft Windows Server 2003 R2, Enterprise Edition
	Microsoft Windows Server 2003 R2, Datacenter Edition
Microsoft Windows Server 2003 R2, Standard x64 Edition	
Microsoft Windows Server 2003 R2, Enterprise x64 Edition	

Abbreviation	Official title
	Microsoft Windows Server 2003 R2, Datacenter x64 Edition
	Windows@8
	Windows@8 Pro
	Windows@8 Enterprise
	Windows@7 Home Premium
	Windows@7 Professional
	Windows@7 Enterprise
	Windows@7 Ultimate
	Windows@ Vista Home Basic
	Windows@ Vista Home Premium
	Windows@ Vista Business
	Windows@ Vista Ultimate
	Windows@ Vista Enterprise
	Windows@ XP Home Edition
	Windows@ XP Professional
Windows@ XP	
Windows XP	Windows@ XP Home Edition
	Windows@ XP Professional
Windows Vista	Windows@ Vista Home Basic
	Windows@ Vista Home Premium
	Windows@ Vista Business
	Windows@ Vista Ultimate
	Windows@ Vista Enterprise
Windows 7	Windows@7 Home Premium
	Windows@7 Professional
	Windows@7 Enterprise
	Windows@7 Ultimate
Windows 8	Windows@8
	Windows@8 Pro
	Windows@8 Enterprise
Windows Server 2003	Microsoft Windows Server 2003, Standard Edition
	Microsoft Windows Server 2003, Enterprise Edition
	Microsoft Windows Server 2003, Datacenter Edition
	Microsoft Windows Server 2003, Standard x64 Edition
	Microsoft Windows Server 2003, Enterprise x64 Edition
	Microsoft Windows Server 2003, Datacenter x64 Edition
	Microsoft Windows Server 2003 R2, Standard Edition
	Microsoft Windows Server 2003 R2, Enterprise Edition
	Microsoft Windows Server 2003 R2, Datacenter Edition

Abbreviation	Official title
	Microsoft Windows Server 2003 R2, Standard x64 Edition
	Microsoft Windows Server 2003 R2, Enterprise x64 Edition
	Microsoft Windows Server 2003 R2, Datacenter x64 Edition
Windows Server 2008	Microsoft Windows Server 2008 Foundation
	Microsoft Windows Server 2008 Standard
	Microsoft Windows Server 2008 Enterprise
	Microsoft Windows Server 2008 Datacenter
	Microsoft Windows Server 2008 Standard without Hyper-V
	Microsoft Windows Server 2008 Enterprise without Hyper-V
	Microsoft Windows Server 2008 Datacenter without Hyper-V
	Microsoft Windows Server 2008 R2 Foundation
	Microsoft Windows Server 2008 R2 Standard
	Microsoft Windows Server 2008 R2 Enterprise
	Microsoft Windows Server 2008 R2 Datacenter
Windows Server 2012	Microsoft Windows Server 2012 Foundation
	Microsoft Windows Server 2012 Essentials
	Microsoft Windows Server 2012 Standard
	Microsoft Windows Server 2012 Datacenter
Failover Clusters	Windows Server 2008 Failover Clusters
	Microsoft Cluster Service
Excel	Microsoft® Excel
Word	Microsoft® Word
SQL Server	Microsoft® SQL Server™
Oracle	Oracle® Enterprise Edition
	Oracle® Database Standard Edition
	Oracle® Database Standard Edition One
	Oracle® Database Enterprise Edition
Solaris	Oracle Solaris
Linux	Red Hat Enterprise Linux
UNIX	Solaris
	Linux
XL-DATA/MV	XL DATA MOVER
	Softek XL DATA MOVER
	ETERNUS SF XL-DATA/MV
	OSIV MSP XL-DATA/MV
Interstage Application Server	Interstage® Application Server Standard-J Edition
	Interstage® Application Server Enterprise Edition
Shunsaku	Interstage® Shunsaku Data Manager Enterprise Edition
Data Effector	Interstage® Data Effector Standard Edition

Abbreviation	Official title
Charset Manager	Interstage® Charset Manager
Linkexpress	Linkexpress
	Linkexpress Advanced Edition
	Linkexpress Standard Edition
	Linkexpress Enterprise Edition
Symfoware Server	Symfoware® Server Standard Edition
	Symfoware® Server Enterprise Edition
	Symfoware® Server Enterprise Extended Edition
DB2	IBM® DB2 9.7 for Linux, UNIX and Windows, Express Edition
	IBM® DB2 9.7 for Linux, UNIX and Windows, Workgroup Server Edition
	IBM® DB2 9.7 for Linux, UNIX and Windows, Enterprise Server Edition

Note

In this manual, please read **Start** menu of Windows in a different way as **Start Window** or **All Apps Window** when you use Windows 8 or Windows Server 2012.

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Glossary

Store in DB

It is a function to distribute data to the data base system especially among the data delivery functions.

Extract from DB

It is a function to extract the data of the data base system especially among the data acquisition functions.

Information Integrator

It is a data integration product that collects, integrates various data, and distributes it when it is necessary by a necessary form. The business system that uses it can store it by collecting data from two or more business systems with different platform, operation time, and method of data management in the enterprise etc., and integrating data into the form corresponding to the purpose of use.

Information Integrator Client

It is a client function to use Information Integrator. It is a generic name of III Studio and the Operation Management Client.

Information Integrator Server

It is a server function to use Information Integrator. A series of processing of the collection, conversion, and the distribution is done.

Store object

It is a function to distribute the object to Salesforce etc. among the data delivery functions.

Extract object

It is a function to extract the object such as Salesforce among the data acquisition functions.

Remote system

It is a generic name of the system a collection source system and the distribution ahead.

Execute remote job(s)

It is a function to start the job of the other party side system remotely after data is distributed, and to receive the result of the job. A series of system including the application of the other party side system can be controlled.

Out process

It is one of the coordinated methods supported by the plug-in. It is a form executed as another process.

Compress/extract

It is a function to shorten transfer time by compressing, and defrosting data when the file is sent and received.

In Information Integrator, it synchronizes with the file sending and receiving, it compresses by the automatic operation, and it defrosts.

Batch delivery

It is a function that consolidates the two or more data (file) accumulated in the DataBox in one file among the data delivery functions and distributes it.

In process

It is one of the coordinated methods supported by the plug-in. The form that develops, and executes the object in the memory.

Operation Management Client

It is a tool to observe the state of the operating Process Flow on the Information Integrator Server. It operates it from Web a browser.

Operation Management Web Server

It is a server necessary to use the Operation Management Client.

Responder system

When the file sending and receiving, the other party side job start or the notify job results is used, it is a system on the side that responds for the executed processing demand between the Information Integrator Server and the other party side system.

For instance, the Information Integrator Server becomes a responder system at the send files of another bureau initiation. The other party side system becomes a responder system at the receive files of the bureau initiation. Moreover, the other party side system becomes a responder system whenever the other party side job start.

Uppercase/lowercase conversion

It is a function to convert the data of the uppercase into the lowercase or to convert the data of the lowercase into the uppercase by one of the item edits.

Management area

It is an area where the data operated with the Information Integrator Server and information on the process are kept.

Startup system

The side where the processing demand is executed is pointed at between the Information Integrator Server and the other party side system when the file sending and receiving, the other party side job start or the notify job results is used.

The Information Integrator Server becomes a startup system at the send files of the bureau initiation. The other party side system becomes a startup system at the receive files of another bureau initiation. Moreover, Information Integrator becomes a startup system whenever the other party side job start.

Cloud integrated data fragment transfer feature

It is a function to transmit data by dividing when the Salesforce object is stored, and to reduce the load of the channel.

Cluster operation

It is a form to operate the Information Integrator Server by 1:1 operation standby type with cluster software.

High-speed file transfer

It is a function to speed up the data transfer between remote places greatly by building in the technology that uses the WAN band to its maximum.

Sort item

It is a function that permutes it by one of the item edits in order by which the item is specified.

Edit item

It is a function to edit the item of data.

Individual delivery

As for two or more files that complete processing, it is functions for the unit of the file that transmit to the system the distribution ahead.

Server user authentication

It is a method of permitting the user the use of Information Integrator by using the attestation function of OS by the attestation function of Information Integrator.

Four arithmetic operations

The function that is the four arithmetic operations (addition, subtraction, multiplication, and division) by one of the item edits.

In the four arithmetic operations function, it is possible to calculate by using one numeric attribute item or two or more numeric attribute items. Similarly, the output item becomes a numeric attribute.

There are four kinds of operators that can be used, that is, addition "+", subtraction "-", multiplication "*", and division "/", and the operation priority level can be applied by using "(") as well as a general arithmetic expression.

The operation can be operated in the collected data once even by the data after the conversion of something is executed.

Automatic retry

An abnormal cause for forwarding is judged automatically, and the function without the operation that automatically sends it again for a temporary communication fault on the network.

An automatic retrying is retried to the unit of the demand of the file sending and receiving, and retries according to the frequency retrying at intervals specification retrying. File collection and delivery Makoto is notified even if it retrying frequency retries and the last error information is notified by the user when the error end is done.

Aggregate

It is a function to make data a group, and to output the aggregate value of the specified item. The aggregate value can be output by making two or more items a group.

Collection source system

It is a system of the extraction origin of the data that Information Integrator extracts. In Information Integrator, the data of the system with a wide POS, business system of accounting etc., key system, and various package products is targeted.

Conditional extraction

When DB is extracted, the table data is extracted from the data base according to the specified search condition. Moreover, when the object is extracted, only the data that agrees from the Information Integrator Server side with the condition extracts the data being stored by collection source system (Salesforce).

In the DB extraction, there is a method of the extraction specifying the text file that describes the method and the search condition that describes the search condition in the data collection definition and extracts it for the data collection definition.

Notify job results

It is a function to notify the Information Integrator Server from the other party side system that starts the job the processing result of the job.

Process plug-in

It is a function to build in the plug-in by the unit of processing like the collection, conversion, and the distribution, etc.

Process Flow

It is a data collection in Information Integrator, data conversion, and a series of processing of the data delivery.

Process Flow execution log

It is a log concerning the execution of the Process Flow. User ID and the execution date, etc. when the Process Flow was executed are output.

Numeric display conversion

It deletes, and it is converted into a numeric attribute to delete, and treble comma district to switch off 0 burials (scaling) from the character attribute by one of the item edits.

Schedule feature

It is a function to execute the Process Flow of Information Integrator automatically at date and constant intervals specified beforehand.

Half-width/full-width conversion

It is a function to convert the data of half-width into full-width or to convert the data of full-width into half-width by one of the item edits.

Extract all items

All are to extract the table data that exists in the specified data base when DB is extracted. Moreover, all are to extract the data being stored by collection source system (Salesforce) from the Information Integrator Server side when the object is extracted.

Attribute conversion

It is a function to convert the type of the numeric attribute included in the record.

Japanese diacritic symbol conversion

It is a function to separate, and to unite the dot marks for voiced sound and the diacritic implying semi-voiced of the em-size Japanese syllabary character by one of the item edits.

Concurrency control

It is a function to control the number of maximum use and the number of execution so that the load should not hang to the system like the number etc. of simultaneous executions of a simultaneous number of use of lines for the system and the unit of the communication passing and two or more Process Flows.

In Information Integrator, the following concurrency control functions are provided.

- Process receipt concurrency control
- Process execution concurrency control
- Execution concurrency control of data collection/ data delivery function
- Execution concurrency control of data conversion function
- File sending and receiving execution concurrency control

Tuning parameter file

It is a file that specifies information necessary to make the management area of the Information Integrator Server.

After necessary information is specified, the script for making the management area can be made by script making command (ifimks).

Data conversion definition

It is a definition where the content of the processing of data conversion (format conversion, item edit, and edit record) is defined. The data structure and the format are defined in the data after it converts it before it converts it, and associating the item (mapping) is defined. Moreover, each item using the operational expression is edited, and the aggregate, sorting, and the edit to the entire record of join etc. are defined.

Definition management

It is a function to administer the generation as for column information (meta information) etc. acquired from various definition information, the data base, and the file set.

Definition operation log

It is a log of the Process Flow like the acquisition, the registration, and the references, etc of the definitions concerning each definition operation. Operated client Internet Protocol address and operation date, etc. are output.

Update data

It is a function to update the storage data to the row with the uniqueness constraint when DB is stored.

Data structure definition

It is a definition where the item name, the data attribute, and the digit number, etc. are defined as a structure of the data before it converts it and after it converts it of doing data conversion.

Data collection

From data source to conversion or function to take out integrated data

The extracted data is preserved in the DataBox in the Information Integrator Server. The extraction method is defined with III Studio.

Data collection definition

Whereabouts and the collection means of the collecting data are defined in the data collection processing.

Data source definition

It is a definition where necessary essential information (information and access means etc. of the system) for doing the collection and the distribution processing is defined as for the data that exists in the system the collection destination and the distribution ahead. It is information to which it refers from the data collection definition and the data delivery definition with ID.

Replace data

It is a function to replace the data of the specified existing table with the stored data when DB is stored.

Add data

It is a function to add the stored data to the data of the specified existing table when DB is stored. Moreover, when the specified table doesn't exist in the data base in the storage location, it makes up a table newly, and data is stored.

Add/update data

The storage data is added when a pertinent line is updated when the storage data corresponding to the data of the row with the uniqueness constraint exists, and it doesn't exist.

Data status reference

The extraction history of data (state and date) can be referred to.

Data lifecycle management

After the fixed time passes, the extracted data is regularly deleted from the Information Integrator Server automatically.

Data delivery

It is a function to distribute data that does the conversion processing to the other party side system. The distribution method is defined with III Studio.

Data delivery definition

It is a definition where whereabouts and the distribution means the distribution ahead are defined in the data delivery processing.

Data conversion

It is a function to convert the extracted data into the form that is appropriate for the purpose.

Conversion kicks and (of the character code conversion, the file format conversion, and the data processing includes) etc. by the item edit, sorting, uniting, and filtering. The conversion regime is defined with III Studio.

DataBox

It is a keeping warehouse to keep the data extracted to convert and to integrate it and the converted data on Information Integrator.

The history and the difference data of the extraction and conversion are maintained.

III Transfer Accelerator

It is abbreviation of Interstage Information Integrator Transfer Accelerator. It is data transfer accelerator. It speeds up data communications of the data transfer tool and the user application, etc. that use TCP/IP between remote places.

Transfer rate control

It is a function to control the data-transfer velocity when the file is transmitted. When the speed of the line is slow in the bulk file transfer, it uses it.

Transfer mode

It is a function to select the text form or the binary form when the file is sent and received.

Operating environment file

It is a file that sets the system requirements of the Information Integrator Server.

Broadcast delivery

It is a function to deliver the same data to two or more destination address systems.

Trim

It is a function to remove all characters that continue from the character string by one character or more and are arbitrary. At the beginning of "Light trim" that removes all characters that continue by one character or more that exists in the end of the character string and are arbitrary and the character string, there is "Left trim" that removes all characters that continue by one character or more and are arbitrary.

Date and time format conversion

It is a function to convert the type attribute of the date into the "YYYY MM DD hh mm ss" mark.

The format conversion at the date is used to unite formats of the date when the format is different data.

Obtain date and time fragment

It is a function to acquire any of "Age", "Moon", "Day", "Time", "Worth", and "Second" from the date data.

Delivery destination system

A previous system that transmits the data that is extracted and converted is indicated with Information Integrator. It is possible to use it with various systems of the information use, the slip output, and use in various packages, etc.

Padding

It is a function to add the character of 0 characters or more to the character string. There is "Left padding" that adds a character of 0 characters or more that continues and is arbitrary at the beginning of the character string of "Light padding" that adds a character of 0 characters or more that continues and is arbitrary to the end of the character string of the item data and the item data.

Hiragana/katakana conversion

It is a data conversion feature, and converts the data of the hiragana into the katakana or a function to convert the data of the katakana into the hiragana.

Receive files

It is a function to collect files especially among the data acquisition functions. The following files can be collected.

- CSV file
- Binary file

Receive files (as initiator)

It is a function to collect files of the object from a collection source system.

Receive files (as responder)

The system is a function at the collection destination to collect files of the object.

Send files

It is a function to send the file to the other party side system especially among the data delivery functions.

Send files (as initiator)

It is a function to transmit the file from Information Integrator to the system the distribution ahead.

Send files (as responder)

It is a function to transmit the file that exists in Information Integrator according to the transmission request from the system the distribution ahead.

Format definition

It is a definition where the character code and the data format, etc. are defined as a format of the data before it converts it and after it converts it when data conversion is done.

Plug-in

It is a function to build the conversion application and various enhancing tools used for an existing system into Information Integrator. The application of an executable form (exe and bat form) can be built in.

Plug-in definition

It is a definition where information on the plug-in (external program) called in data processing is defined.

Filter condition

When data filter is done, the condition of the distributed data is specified for each target system.

Process definition

It is a definition where the processing procedure of the function definition (data collection, data conversion, and data filter disregarding and data delivery) done in the Process Flow is defined. Moreover, the execution schedule to the Process Flow can be defined.

Conversion error log

It is a log that outputs error information on data conversion. Information on the place of the error data etc. are output.

Conversion plug-in feature

It is a function to build in the conversion application necessary for the unit of the item as a plug-in when conversion is processed.

Character code conversion

It is a function that converts it from the specified character code into another character code.

It converts it for the entire collected data.

Substring extraction

It is a function of the character to acquire the part against the character string.

Metadata

It is a generic name of data that records information that defines data format and the processing method of data have by the other party side system.

Recovery feature

It is a function to maintain processing with the DataBox. As a result, processing can be recovered from the data of the DataBox when it is abnormal.

Specify recovery range

The range of recovery is specified. Efficient re-execution from processing is possible on the way after abnormality of processing by the specification of the DataBox for the checkpoint of recovery.

Edit record

It is a function to edit data in each record.

Combine (JOIN, UNION)

It is a function to unite two or more data according to connected condition. Two or more master data can be connected at a time.