

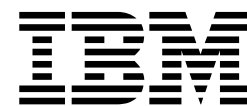
Sterling File Gateway



Sterling File Gateway Services

Version 2.2

Sterling File Gateway



Sterling File Gateway Services

Version 2.2

Note

Before using this information and the product it supports, read the information in "Notices" on page 11.

This edition applies to Version 2 Release 2 of IBM Sterling File Gateway and to all subsequent releases and modifications until otherwise indicated in new editions.

© **Copyright IBM Corporation 2008, 2011.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

Sterling File Gateway services	1	Notices	11
File Gateway Delivery service	1	Trademarks	13
File Gateway Arrived File service	2	Terms and conditions for product documentation..	14
File Gateway Route Event service	4	Index	15
File Gateway Complete Delivery service	6		
File Gateway Create Partner Mailbox service	7		
File Gateway Route service	8		

Sterling File Gateway services

IBM® Sterling File Gateway provides several services to help you meet your business needs.

File Gateway Delivery service

The File Gateway Delivery service delivers files that have been transformed to consumer partners.

The following table provides an overview of the File Gateway Delivery service:

System Name	File Gateway Delivery Service
Graphical Process Modeler (GPM) category	Not applicable
Description	This service delivers files that have been transformed to consumer partners.
Business usage	This is a system service. It is used to deliver a transformed file to a consuming partner.
Usage example	The system uses this service.
Preconfigured?	Yes
Requires third party files?	No
Platform availability	All platforms supported by the application
Related services	File Gateway Arrived File Service
Application requirements	None
Initiates business processes?	Yes. This service may start a sub process for a protocol transfer to a listening consumer.
Invocation	Yes. This service is invoked automatically in Sterling File Gateway processes and does not need to be modified.
Business process context considerations	None
Returned status values	0 = Success 1 = Failure
Restrictions	This service is only called by Sterling File Gateway and cannot be customized.
Persistence level	System default
Testing considerations	None

Implementing the File Gateway Delivery service

This is a system service. You do not need to implement this service.

Configuring the File Gateway Delivery service

There are no configuration parameters for the File Gateway Delivery Service.

Parameters passed from business process to service

Field	Description
ConsumerMessageId	The message ID to send to the consumer. Required.
Delivery	Contains all the elements required by the FileGatewayDeliveryService required to make a delivery.
DeliveryKey	The key that represents the created Delivery Object. Required.
ConsumerFile/DeliveryChannelKey	The key that represents the Delivery Channel that the File Gateway Delivery Service will use to make the delivery. Required.
ConsumerFile	Contains all the elements that represent the file to be delivered. Required.
ConsumerFile/ DocumentId	The identifier of the document to be delivered. Required.
ConsumerFile/ ContentType	The content type of the file to be delivered. Required.
ConsumerFile/ Size	The file name of the file to be delivered. Required.
ConsumerFile/ FileName	The size of the file to be delivered. Required.
ConsumerFile/ Type	The type of the layer that is being delivered. Required.
ConsumerFile/ MailboxPath	The mailbox path to deliver to. Required.
CreateMailboxIfMissing	Whether to create this mailbox if it does not already exist. Required.

Parameters passed from service to business process

There are no parameters passed from this service to a business process.

File Gateway Arrived File service

The File Gateway Arrived File service verifies and processes files that arrive into Sterling File Gateway. It also determines if the files need to be routed and/or deleted.

The following table provides an overview of the File Gateway Arrived File service:

System Name	File Gateway Arrived File Service
Graphical Process Modeler (GPM) category	Not applicable
Description	This service verifies and processes files that arrive into Sterling File Gateway. It also determines if the files need to be routed and/or deleted.
Business usage	This is a system service. It is used to verify and process a file that has arrived into the File Gateway system.
Usage example	The system uses this service.

Preconfigured?	Yes
Requires third party files?	None
Platform availability	All platforms supported by the application
Related services	None
Application requirements	None
Initiates business processes?	Yes. This service may start sub-business processes.
Invocation	Yes. This service is invoked automatically in Sterling File Gateway processes and should not be modified.
Business process context considerations	None
Returned status values	0 = Success 1 = Failure
Restrictions	This service is only called by Sterling File Gateway and cannot be customized.
Persistence level	System default
Testing considerations	None

Implementing the File Gateway Arrived File service

This is a system service. You do not need to implement this service.

Configuring the File Gateway Arrived File service

There are no configuration parameters for the File Gateway Arrived File Service.

Parameters passed from business process to service

Field	Description
ReplayArrivedFileKey	The key that represents the original arrived file if this is a replay. Optional.
ReplayComment	The comment entered by the user on the replay. Optional.
MessageId	The message identifier that this service will route through Sterling File Gateway. Required.

Parameters passed from service to business process

Field	Description
ArrivedFileKey	The key that represents the Arrived File.
ShouldDeleteMessage	Whether or not the message should be deleted by the workflow.
ShouldRouteMessage	Whether or not the arrived file should be routed by the workflow.

File Gateway Route Event service

The File Gateway Route Event service enables users to fire custom events as part of a route in Sterling File Gateway. The events will be viewable and searchable in the same manner as the pre-existing events.

The following table provides an overview of the File Gateway Route Event service:

System Name	File Gateway Route Event Service
Graphical Process Modeler (GPM) category	All Services
Description	This service allows users to fire their own custom events as part of a route in Sterling File Gateway.
Business usage	Use this service to fire events as part of a route in Sterling File Gateway.
Usage example	In a custom protocol business process, the user wants to record an event that shows the connection parameters for this protocol. The user would create the event in the <code>customer_overrides.properties</code> file, then edit the custom protocol business process to put the File Gateway Route Event Service in it to pass the parameters for the event.
Preconfigured?	Yes
Requires third party files?	No
Platform availability	All platforms supported by the application
Related services	None
Application requirements	None
Initiates business processes?	No
Invocation	This service must be invoked from a business process. The business process must have been started by Sterling File Gateway through its extension capability for consumer identification or custom protocol.
Business process context considerations	The <code>RouteEntityType</code> , <code>RouteEntityKey</code> , <code>RouteMetaData</code> , and <code>RouteDataflowId</code> parameters must be passed into the File Gateway Route Event Service through an assign of either all elements or the custom elements individually.
Returned status values	0 = Success 1 = Failure
Restrictions	None
Persistence level	System default
Testing considerations	None

Implementing the File Gateway Route Event service

This is a system service. You do not need to implement this service.

Configuring the File Gateway Route Event service

There are no configuration parameters for the File Gateway Route Event Service.

Parameters passed from business process to service

Field	Description
RouteEntityType	Used by Sterling File Gateway to associate the event with the correct Sterling File Gateway Route Entity. The value for this is passed into the business process from Sterling File Gateway and thus only needs to be passed through into the service and should not be changed. Required. Possible values are: <ul style="list-style-type: none">• ArrivedFileKey• RouteKey• DeliveryKey
RouteEntityKey	Used by Sterling File Gateway to associate the event with the correct Sterling File Gateway Route Entity. The value for this is passed into the business process from Sterling File Gateway and thus only needs to be passed through into the service and should not be changed. Required.
RouteMetaData	Contains data required by the event subsystem. The value for this is passed into the business process from Sterling File Gateway and thus only needs to be passed through and should not be changed. Required.
RouteDataflowId	Contains the dataflow ID for the arrived file for this route. The value for this is passed into the business process from Sterling File Gateway and thus only needs to be passed through and should not be changed. Required.
EventCode	The code for the event. The code must be defined in the filegateway_eventcodes.properties file (when firing a system event) or the custom customer_overrides.properties file (when firing a custom event). Required.
ExceptionLevel	The exception level of the event. Used by the event framework in the platform. Optional. Possible values are: <ul style="list-style-type: none">• Normal• Abnormal• Exceptional The default value is exceptional.
EventAttributes	Contains a set of subelements that contain all the unique attributes for this event. Optional for events that have no attributes. Required for events that do have attributes.

Field	Description
<AttributeName>	The actual attribute name is the name of the element, with content equal to the value of the attribute that you want to pass into the event. Optional.

Parameters passed from service to business process

There are no parameters passed from this service to a business process.

File Gateway Complete Delivery service

The File Gateway Complete Delivery service completes the delivery to consuming partners by reporting the state of Arrived File, Route, and Delivery objects.

The following table provides an overview of the File Gateway Complete Delivery service:

System Name	File Gateway Complete Delivery Service
Graphical Process Modeler (GPM) category	Not applicable
Description	This service completes the delivery to consuming partners by reporting the state of Arrived File, Route, and Delivery objects.
Business usage	This is a system service. It is used to complete the delivery of a file to a consuming partner.
Usage example	The system uses this service.
Preconfigured?	Yes
Requires third party files?	No
Platform availability	All platforms supported by the application
Related services	None
Application requirements	None
Initiates business processes?	No
Invocation	Yes. This service is invoked automatically in Sterling File Gateway processes and does not need to be modified.
Business process context considerations	None
Returned status values	0 = Success 1 = Failure
Restrictions	This service is only called by Sterling File Gateway and cannot be customized.
Persistence level	System default
Testing considerations	None

Implementing the File Gateway Complete Delivery service

This is a system service. You do not need to implement this service.

Configuring the File Gateway Complete Delivery service

There are no configuration parameters for the File Gateway Complete Delivery Service.

Parameters passed from business process to service

Field	Description
DeliveryKey	The key that represents the created Delivery Object. Required.
Success	Whether the delivery being completed was successful. Required. Possible values are: <ul style="list-style-type: none">• True• False

Parameters passed from service to business process

There are no parameters passed from this service to a business process.

File Gateway Create Partner Mailbox service

The File Gateway Create Partner Mailbox service creates mailboxes to match the specified directory path and grants mailbox access to the partner's users.

The following table provides an overview of the File Gateway Create Partner Mailbox service:

System Name	File Gateway Create Partner Mailbox Service
Graphical Process Modeler (GPM) category	Not applicable
Description	This service creates mailboxes to match the specified directory path and grants mailbox access to the partner's users.
Business usage	This is a system service. It is used to create mailboxes to match the specified directory path and grant mailbox access to the partner's users.
Usage example	The system uses this service.
Preconfigured?	Yes
Requires third party files?	No
Platform availability	All platforms supported by the application
Related services	None
Application requirements	None
Initiates business processes?	No
Invocation	Yes. This service is invoked automatically in Sterling File Gateway processes and does not need to be modified.
Business process context considerations	
Returned status values	0 = Success 1 = Failure

Restrictions	This service is only called by Sterling File Gateway and cannot be customized.
Persistence level	System default
Testing considerations	None

Implementing the File Gateway Create Partner Mailbox service

This is a system service. You do not need to implement this service.

Configuring the File Gateway Create Partner Mailbox service

There are no configuration parameters for the File Gateway Create Partner Mailbox Service.

Parameters passed from business process to service

Field	Description
MailboxPath	The full absolute mailbox path to create. Any string. Required.
PartnerKey	The key that represents the partner. This is used for the partner's users permission to the created mailbox. Any string. Required.

Parameters passed from service to business process

There are no parameters passed from this service to a business process.

File Gateway Route service

The File Gateway Route service processes and transforms files in order to prepare them for delivery to a consumer partner.

The following table provides an overview of the File Gateway Route service:

System Name	File Gateway Route Service
Graphical Process Modeler (GPM) category	Not applicable
Description	This service processes and transforms files in order to prepare them for delivery to a consumer partner.
Business usage	This is a system service. It is used to transform a file that has arrived into the File Gateway system
Usage example	The system uses this service.
Preconfigured?	Yes
Requires third party files?	None
Platform availability	All platforms supported by the application
Related services	None
Application requirements	None

Initiates business processes?	Yes. This service may start sub-business processes for custom consumer identification and/or transformation.
Invocation	Yes. This service is invoked automatically in Sterling File Gateway processes and should not be modified.
Business process context considerations	None
Returned status values	0 = Success 1 = Failure
Restrictions	This service is only called by Sterling File Gateway and cannot be customized.
Persistence level	System default
Testing considerations	None

Implementing the File Gateway Route service

This is a system service. You do not need to implement this service.

Configuring the File Gateway Route service

There are no configuration parameters for the File Gateway Route Service.

Parameters passed from business process to service

Field	Description
ArrivedFileKey	The key that represents the arrived file created by the Arrived File Service. Required.

Parameters passed from service to business process

Field	Description
RouteDeliveries	A list of all the deliveries that the router will attempt to send to the File Gateway Delivery Service. Optional, used only when there are deliveries to make.
Delivery	Contains all the elements required by the File Gateway Delivery Service required to make a delivery. Optional, used only when there are deliveries to make.
DeliveryKey	The key that represents the Delivery. Required, one for each delivery.
DeliveryChannelKey	The key that represents the Delivery Channel that the FileGatewayDeliveryService will use to make the delivery. Required, one for each Delivery.
ConsumerFile	Contains all the elements that represent the file to be delivered. Required, one for each delivery.

Field	Description
DocumentId	The identifier of the document to be delivered. Required, one for each consumer file.
ContentType	The content type of the file to be delivered. Required, one for each consumer file.
FileName	The file name of the file to be delivered. Required, one for each consumer file.
Type	The type of the layer that is being delivered. Required, one for each consumer file.
MailboxPath	The mailbox path to deliver to. Required, one for each consumer file.
CreateMailboxIfMissing	<p>Whether or not to create the mailbox if it is missing in the delivery. Required attribute on MailboxPath. Valid values are:</p> <ul style="list-style-type: none"> • Y - Create a mailbox if one matching the specified pattern does not already exist • N - Do not create a mailbox

Notices

This information was developed for products and services offered in the US. This material might be available from IBM in other languages. However, you may be required to own a copy of the product or product version in that language in order to access it.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

*IBM Director of Licensing
IBM Corporation
North Castle Drive, MD-NC119
Armonk, NY 10504-1785
US*

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

*Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan Ltd.
19-21, Nihonbashi-Hakozakicho, Chuo-ku
Tokyo 103-8510, Japan*

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM websites are provided for convenience only and do not in any manner serve as an endorsement of those

websites. The materials at those websites are not part of the materials for this IBM product and use of those websites is at your own risk.

IBM may use or distribute any of the information you provide in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

*IBM Director of Licensing
IBM Corporation
North Castle Drive, MD-NC119
Armonk, NY 10504-1785
US*

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on specific configurations and operating conditions.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

All IBM prices shown are IBM's suggested retail prices, are current and are subject to change without notice. Dealer prices may vary.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to actual people or business enterprises is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to

IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work must include a copyright notice as shown in the next column.

© 2015.

Portions of this code are derived from IBM Corp. Sample Programs.

© Copyright IBM Corp. 2015.

Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the web at "Copyright and trademark information" at www.ibm.com/legal/copytrade.shtml.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Java™ and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Connect Control Center[®], Connect:Direct[®], Connect:Enterprise[®], Gentran[®], Gentran[®]:Basic[®], Gentran:Control[®], Gentran:Director[®], Gentran:Plus[®], Gentran:Realtime[®], Gentran:Server[®], Gentran:Viewpoint[®], Sterling Commerce[™], Sterling Information Broker[®], and Sterling Integrator[®] are trademarks or registered trademarks of Sterling Commerce[®], Inc., an IBM Company.

Other company, product, and service names may be trademarks or service marks of others.

Terms and conditions for product documentation

Permissions for the use of these publications are granted subject to the following terms and conditions.

Applicability

These terms and conditions are in addition to any terms of use for the IBM website.

Personal use

You may reproduce these publications for your personal, noncommercial use provided that all proprietary notices are preserved. You may not distribute, display or make derivative work of these publications, or any portion thereof, without the express consent of IBM.

Commercial use

You may reproduce, distribute and display these publications solely within your enterprise provided that all proprietary notices are preserved. You may not make derivative works of these publications, or reproduce, distribute or display these publications or any portion thereof outside your enterprise, without the express consent of IBM.

Rights

Except as expressly granted in this permission, no other permissions, licenses or rights are granted, either express or implied, to the publications or any information, data, software or other intellectual property contained therein.

IBM reserves the right to withdraw the permissions granted herein whenever, in its discretion, the use of the publications is detrimental to its interest or, as determined by IBM, the above instructions are not being properly followed.

You may not download, export or re-export this information except in full compliance with all applicable laws and regulations, including all United States export laws and regulations.

IBM MAKES NO GUARANTEE ABOUT THE CONTENT OF THESE PUBLICATIONS. THE PUBLICATIONS ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE.

Index



Product Number: 5200

Printed in USA