

Sterling B2B Integrator



Feature Pack Release Notes

Version 5.2.0 - 5.2.2

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Note

Before using this information and the product it supports, read the information in "Notices" on page 23.

Copyright

This edition applies to Version 5 Release 2 Modification 2 of Sterling B2B Integrator and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

Chapter 1. Pre-Installation Recommendation.	1	Chapter 5. Standards	9
Chapter 2. Article Identification.	3	Chapter 6. e-Invoicing	11
Chapter 3. Build Document Fields and Definitions	5	Chapter 7. Build 5020200 Product Enhancements	13
Chapter 4. Build 5020200 Product Enhancements Overview	7	Notices	23

Chapter 1. Pre-Installation Recommendation

IBM recommends that you perform a complete backup of the Sterling B2B Integrator file system and database before applying any patch.

It is not possible to uninstall a patch.

Chapter 2. Article Identification

Currently a transition is underway to migrate customer issues from the current customer reporting system to a new system. Consequently, an InQuira ID will no longer be assigned to issues. This will be temporarily replaced by the Fix ID.

Chapter 3. Build Document Fields and Definitions

These are the fields for each entry in the build information document and a description of the information each contains.

InQuira ID

Each entry within the patch information document is also entered into our customer-facing Knowledgebase. This ID represents the article number within the Knowledgebase. The Knowledgebase can be accessed via the Sterling Commerce Customer Center Web site.

Functional Area

This represents the area of the product in which the issue was found and a fix was made. The patch information document is organized by grouping the fixes under their respective functional area.

Escalation ID

This is an internal ID used by IBM Customer Support. IDs that are a numerical value represent items that were reported by customers or consultants. IDs with the value "QC" represent items that were found internally.

Fix ID This is an internal ID used by IBM Customer Support and Engineering to track the specific details of the fix at a code level.

Severity

There are currently two possible values for severity:

Critical

This represents fixes that are core to the product and have the potential to result in a critical or production down scenario if not applied. Example: An issue with our JDBC pools would be core to the product and apply to all Gentran Integration Suite/Sterling B2B Integrator users. An issue with an adapter or service, such as Document Keyword Replace, would most likely not be flagged as critical. It could be critical to users that are utilizing this particular service or adapter, but not part of core.

Note: An exception could be made if an engineer feels the non-core functional area defect is severe enough or widely utilized enough to classify it as critical.

Normal

This represents fixes that are less severe and should not result in critical or production down scenarios for the core product. Some fixes, however, could be critical to individual users of that service or adapter, so it is important to look at all fixes and determine the specific impact on your environment based on your usage of the various services, adapters, and the various functional areas of the product.

Type There are currently three possible values for type:

Core Change

Although rare, it is possible that fixing a defect requires a core change to the functionality of that component. It is important to test any functional area that is being utilized if the fix is flagged as Core Change.

New Functionality

In most cases, new functionality will be listed in the “Product Enhancements” section of the patch info document. Although rare, it is possible that fixing a defect could mean adding additional functionality to that component.

Normal Fix

Most entries will be flagged as Normal Fix. This represents items reported from the field or found internally that do not result in a core change or the addition of new functionality.

Build This represents the build (patch) number in which the fix was first introduced. In some cases, a fix will be applied to multiple versions of the product. Patches are cumulative, so fixes exist in the introduction build and in any later build (higher build number) for that version of the product.

Chapter 4. Build 5020200 Product Enhancements Overview

This release includes the following major updates to Sterling B2B Integrator. For more information about the updates, see the features and enhancements listed in this document.

Build Number Format

The build number format has changed. It is now a seven digit number, 5020200.

The components of the new format include:

- 5 - Sterling Integrator Major version
- 02 - Sterling Integrator minor version
- 02 - Service Pack
- 00 - Fix Pack

System Upgrade

Customers using the existing SWIFTNet Server Adapter on the Oracle Solaris platform are required to patch their SUN OS to pick up the SUNWlibc 1.3.2 library and also the new 0.9.8 OpenSSL library (if they are using SSL) as part of receiving our adapter updates.

For Oracle SUN OS, the download is available from SunSolve (<http://sunsolve.sun.com>).

For OpenSSL, the download is available in <http://www.openssl.org>.

Product Updates

- Direct processing of AS2 messages - See the Sterling B2B Integrator, Release 5.2 AS2 documentation for more information.
- EBICS French Server
- e-Invoicing Version 1.4
- First-In-First-Out (FIFO) - See the Sterling B2B Integrator 5.2 Services & Adapters documentation for more information.
- Online Certificate Status Protocol (OCSP) - See the Sterling B2B Integrator, Release 5.2 Build Documentation, OCSP Support Enhancement for more information.
- Shared Mailboxes - See the Sterling B2B Integrator, Release 5.2 Build Documentation, Shared and Linked Enhancement for more information.
- Sterling File Gateway - For feature and enhancement information, see the online library at <http://help.sterlingcommerce.com/SFG22/index.jsp>, What's New in Build 5020200.

Build 5020200 - Disk Space Requirements

The Sterling B2B Integrator, Release 5.2.2 Build 5020200 requires approximately 3 MB for the Install wizard files, 860 MB for the Sterling B2B Integrator JAR file and 773 MB for the Sterling B2B Integrator patch JAR file.

Additional installation space requirements include:

- Minimum requirement for memory spaces (RAM) 4 GB
- Minimum requirement for disk space 15 GB

Chapter 5. Standards

Applying Sterling B2B Integrator, Version 5.2.2 automatically includes the Sterling Standards Library 8.0.2. Your specific standards implementation will depend upon the terms of your licensing agreement.

Sterling Standards Library Version 8.0.2 did not remove any standards versions. The following versions were added:

- MQHA Delivery Notification Reconciliation
- ISO 20022 Basic Application Header
- ISO20022 messages implemented by SWIFT
- FileAct XMLv2 companion parameter file
- SWIFT 2011 message types
- SWIFT system messages
- SWIFT MX Funds Processing Passport version 4.3
- SWIFT MX Corporate Actions versions 1.0, 1.1
- SWIFT MX Bulk Payments version 2.1
- SWIFT MX Collateral Management version 1.0
- SWIFT MX Clearing version 1.0
- SWIFT MX SCORE version 2.5
- XML Format 2 Header version 2.0.3

Sterling Standards Library version 8.0.2 adds the Image Cash Letter Split and Image Cash Letter Join services to aid in the processing of X9.37 data.

An additional option was added to the AS2 wizard to allow the partner to be configured to perform direct processing in addition to File System or Mailbox processing.

Build 5020200, also provides updated support for the latest ISO 20022 messages.

See <http://help.sterlingcommerce.com/SB2BI52/index.jsp> for details on the Sterling Standards Library 8.0.2, including the Standards Library Known Issues.

Applying Sterling B2B Integrator, Version 5.2.2 allows you to install a new version of the Map Editor.

You cannot open a map saved in this new version of the Sterling B2B Integrator, Release Version 5.2.2 Map Editor in the older versions of the Sterling B2B Integrator Map Editor.

Chapter 6. e-Invoicing

Applying Sterling B2B Integrator, Version 5.2. includes Sterling e-Invoicing Version 1.4 for Sterling B2B Integrator 5.2.2, if you have a Sterling e-Invoicing license. Your specific implementation will depend upon the terms of your licensing agreement.

Sterling e-Invoicing Version 1.4 for Sterling B2B Integrator 5.2.2 adds support for the following:

- Additional legal content not in the human readable detail report has been added to the Detail Report
- Free form notes loop at the header and line item details
- Removed the calculated VAT Tax by VAT rate from the Detail report
- Allowance and charges loops at the header and line item level in the detail report
- Display of the total VAT tax amount in the currency of the country of supply
- Custom duplicate settings are available
- Buyer and supplier tax representative information and VAT identifiers are included in the Detail Report
- Taxable Amount by VAT Rate is included in the Detail Report
- The country code for the Supplier Identification and Buyer Identification address fields are now mapped from the raw invoice data, instead of from the ISO country code in the VAT ID
- The Supplier Comm ID, Supplier Tax Representative, and Subsequent Customer Info fields are now optional, so if there is no data mapped to those fields, the field names are not displayed in the detailed report
- Added the Unit of Measure, Purchase Order Number, and Bill of Lading Number to line item level of the e-Invoicing archive
- Added the Buyer ID and Supplier ID to the Search page of the Integrated Archive to allow the user to search by Buyer ID and Supplier ID
- The Buyer and Supplier address blocks were updated
- Now line items that are displayed on the detailed report are sorted based on how they were originally sent in the data
- Bill to and Ship To information is included in the Detail Report
- Support for EANCOM, CXML, and FACTURAE Invoices

See <http://help.sterlingcommerce.com/SB2BI52/index.jsp> for details on the Sterling e-Invoicing Version 1.4 for Sterling B2B Integrator 5.2.2 library.

Chapter 7. Build 5020200 Product Enhancements

Sterling B2B Integrator, Release 5.2, Build 5020200 contains additional product enhancements in the following categories:

- Adapters - FTP Server Adapter
- AS2
- EDI
- Extensibility
- Hardware Security Module (HSM)
- Mailbox
- Online Certificate Status Protocol (OCSP)
- Permissions
- Reports - Producer/Consumer Relationship
- Security/Encryption
- Service and Adapter
- Services - FTP Client Begin Session
- Services - SFTP - Client GET Service and Client PUT Service
- Standards
- Sterling File Gateway

Adapters - FTP Server Adapter

InQuira ID: ENH2971

Title: Provide User Exit option in FTP Server Adapter.

Request Description: Provide User Exit option in FTP Server Adapter.

Status: Completed

Escalation ID: 106560, 157222, 157211, 157065 (QC 220390)

Request Resolution:

Apply Sterling Integrator Release 5.0, 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

User exits are a set of predefined points provided in Sterling B2B Integrator to implement customized functions.

InQuira ID: ENH3054

Title: Validation on files when they get sent to Sterling B2B Integrator ftp server.

Request Description:

When the file has been received, validation should occur, like xml schema, hash validation, then when that is ok the Transfer completes and the response should be sent back to the partner.

Escalation ID: 106560 (QC 246821, 206912)

Status: Completed

Request Resolution:

Apply Sterling Integrator, Release 5.0 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

AS2

Fix ID: 247076, 240860

Title: Enhancement to allow direct processing of AS2 messages

Request Description: Add an additional option to the AS2 wizard, besides File System or Mailbox, that would allow the trading partner to be configured to do direct processing. This new option would enable the selection of a specific business process to be invoked for Inbound processing and whether to invoke it Synchronously or Asynchronously.

Escalation ID: 245668

Status: Completed

Request Resolution:

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Fix ID: 247085, 242853

Title: Import/Export schema need to be modified as per design document for SR245668

Request Description: Add tag definition to the schema for the following new columns:

1. AS2_PROFILE.HTTP_CLIENT_ADAPTER
2. AS2_TRADEPART_INFO.COLLECTION_TYPE
3. AS2_TRADEPART_INFO.IN_SUCCESS_BP
4. AS2_TRADEPART_INFO.IN_ERROR_BP

Escalation ID: 245668

Status: Completed

Request Resolution:

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

EDI

Fix ID: 247064, 239088

Title: Deenvelope enhancement to allow user exit invocation

Request Description: Enable clients to extend the functionality of the Deenveloping service, giving them greater flexibility in meeting expanding visibility requirements. Specifically, it would enable GIS to meet the Reporting and Transaction Tracking requirements for numerous clients by adding the capability to link transaction level information with the input and output document at Deenveloping time.

Escalation ID: N/A

Status: Completed

Request Resolution:

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Extensibility

Fix ID: 247060, 237825

Title: Enhancement to extend a GUI field for use with a custom protocol

Request Description: A customer is using a custom protocol for SFTP that will issue a command. The Command field only displays 29 characters. You can scroll to right to view more than 29 characters, but a maximum of 29 characters is only displayed in the box at one time. The customer needs to view 50 characters in this field all at once.

This is also a problem for delivered Connect:Direct Protocol. The Remote File Name box does not display all the characters in the field.

This occurs when editing a partner profile Protocol section. When you edit the partner the first panel displays all the characters in the field.

Escalation ID: 255105

Status: Completed

Resolution:

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Hardware Security Module (HSM)

InQuira ID: ENH3055

Title: Support SafeNet ProtectServer

Request Description: Add support for the Gold External network device.

Escalation ID: 131877 (QC 247208, 243652, 226140)

Status: Completed

Request Resolution:

Apply Sterling Integrator, Release 5.0 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Mailbox

Fix ID: 247587, 244810, 227984

Title: Question regarding availability of mailbox "soft-links" in GIS 4.3 or SI 5.0

Request Description: Specific files delivered must be available to numerous partners at exactly the same instant.

Escalation ID: 130603

Status: Completed

Request Resolution:

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Online Certificate Status Protocol (OCSP)

InQuira ID: ENH1804

Title: Support requested for OCSP (Online Certificate Status Protocol)

Request Description: Support is required for the real-time checking of the status of a certificate using OCSP on Gentran Integration Suite 4319 and Sterling Integrator 5002. For highly confidential and restricted data, the risk of a fraudulent operator using a revoked certificate within the period before a CRL is issued is too high.

Escalation ID: 75423 QC (247209, 243653, 226142)

Status: Completed

Request Resolution:

Apply Sterling Integrator Release 5.0, 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Permissions

InQuira ID: ENH2999

Title: Control Access to Wizards

Request Description

The ability to apply deny permissions to the pages which launches the wizard is missing. UI Permissions with a Permission ID prefixed by `_DENY_` are negative permissions that deny access to that particular resource or action. For example, adding a permission with Permission ID `_DENY_BPMANAGE` will deny a user or group access to the BP Management UIs.

Escalation ID: QC (247266, 243716, 229881, 223277)

Status: Completed

Request Resolution:

Apply Gentran Integration Suite Release 4.3, Build 4324 or later.

See the Gentran Integration Suite, Release 4.3 Build Documentation, Managing Permissions for more information.

Apply Sterling Integrator, Release 5.0 Build 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

See the Sterling Integrator, Release 5.0 Security Documentation, Create Permissions for more information.

See the Sterling Integrator, Release 5.1 Security Documentation, Create Permissions for more information.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

See the Sterling B2B Integrator, Release 5.2 Security Documentation, Create Permissions for more information.

Reports - Producer/Consumer Relationship

InQuira ID: ENH3053

Title: New report that identifies producer consumer relationships

Request Description: Need a report that that identifies producer consumer relationships.

Escalation ID: QC (207662)

Status: Completed

Request Resolution:

Two new reports have been added. They are:

- ConsumerProducerRelationships
- ProducerConsumerRelationships

Apply Sterling Integrator, Release 5.0 Build 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

See the Sterling Integrator 5.0 Producer/Consumer Relationship Reports Documentation for more information on Producer/Consumer Relationship Reports.

See the Sterling Integrator 5.1 Producer/Consumer Relationship Reports Documentation for more information on Producer/Consumer Relationship Reports.

Apply Sterling Integrator Release 5.2, Build 5020200 or later.

See the Sterling B2B Integrator, Release 5.2 Security Documentation, Create Permissions for more information.

Security/Encryption

InQuira ID: ENH3200

Title: Deny Permissions on wizard pages that allow a user to create, edit, or check-in a new or existing object

Request Description:

Based on business requirements, some users should be allowed to delete business processes but not edit them. Such users should not have access to the Graphical Process Modeler as well as other process management User Interfaces.

Escalation ID: QC (247481, 243998, 237880)

Status: Completed

Request Resolution:

The new permission is BPMODELER.

Apply Sterling Integrator Release 5.0, Build 5008 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Service and Adapter

Fix ID: 247055, 237350, 236455

Title: Add Data Sweeper service.to Sterling Integrator 5.1

Request Description: Certify Data Sweeper service to work with Sterling Integrator 5.1.

Escalation ID: N/A

Status: Completed

Request Resolution:

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Services - FTP Client Begin Session

InQuira ID: ENH1826

Title: The FTP Client Begin Session service should retry the control connection if it is closed unexpectedly

Request Description:

Extend the retry functionality of the FTP Client Begin Session service so that the service will automatically attempt to reconnect to a remote FTP server if a failure occurs on a control connection that had already been established, e.g. error "control connection closed unexpectedly".

Currently the retries are only used when an attempt to establish the initial control connection fails.

Status: Completed

Escalation ID: 30413 (QC 247538, 244061, 240243)

Request Resolution:

Apply Gentran Integration Suite Release 4.3, Build 4324 or later.

Apply Sterling Integrator Release 5.0, Build 5008 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Services - SFTP - Client GET Service and Client PUT Service

InQuira ID: ENH3056

Title: SFTP mput and mget functionality is missing

Request Description: SFTP mput and mget functionality is missing

Escalation ID: RQ-B2BF-0186

Request Resolution:

Apply Sterling Integrator, Release 5.0 Build 5007 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

See the Sterling Integrator 5.0 SSH/SFTP and SSH/SCP Protocol Support for more information on SFTP Client GET Service and SFTP Client PUT Service.

See the Sterling Integrator 5.1 SSH/SFTP and SSH/SCP Protocol Support for more information on SFTP Client GET Service and SFTP Client PUT Service.

See the Sterling B2B Integrator 5.2 SSH/SFTP and SSH/SCP Protocol Support for more information on SFTP Client GET Service and SFTP Client PUT Service.

Standards

InQuira ID: ENH2062

Title: Behavior change for EDI Encoder service Mode parameter & EDI Envelope service MODE parameter

Request Description:

EDI Encoder service uses a mixed-case "Mode" parameter to set for IMMEDIATE or DEFERRED processing. (Default is deferred.)

EDI Envelope service uses an upper case "MODE" parameter to set for IMMEDIATE or DEFERRED processing. (Default is immediate.)

If the bpml is set for either service where the case sensitivity of the Mode/MODE parameter is incorrectly used, this results in the parameter being ignored, and the data is set in the database to a 10 year life span. This problem usually occurs when the business is written by hand instead of generated from the Graphical Process Modeler. The Graphical Process Modeler will generate the bpml for the Mode/MODE parameter in the correct case sensitivity for each service.

Escalation ID: 075989 (199330), 116568 (206354, 243537, 247103)

Status: Completed

Request Resolution

Apply Gentran Integration Suite Release 4.3, Build 4324 or later.

Apply Sterling Integrator Release 5.0, Build 5008 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

After applying these builds, the following behavior changes will apply:

EDI Encoder Service

If the case sensitivity for the "Mode" parameter is not set correctly or if the "Mode" is set specifically to deferred, the lifespan of the document will be set to the value set in the document.lifespan parameter in enveloping.properties. (The default of this parameter is 30 days.) If a different lifespan value needs to be set, this should be updated via the customer_overrides.properties file.

EDI Envelope Service

If the case sensitivity for the "MODE" parameter is not set correctly and the EDI Encoder service default to or was set to process in deferred mode, the lifespan of the document will be set to the server's default document lifespan.

Sterling File Gateway

InQuira ID: ENH2432

Title: Sterling File Gateway: session expires when uploading a file.

Request Description:

When uploading a large file with myFileGateway web application the user could get a time out issue. Additionally the uploaded file arrives incomplete in the partner mailbox. Extending the session time out on account level is not an option due to corporate governance policies and for security reasons. Enhancement Request for introducing a progress bar or byte counter such that an average user could easily detect whether the upload is still in progress or the session maybe expired. Sterling File Gateway, All versions

Escalation ID: 157108 (QC 247213, 243657, 226357)

Status: Completed

Request Resolution:

Apply Gentran Integration Suite Release 4.3, Build 4324 or later.

Apply Sterling Integrator Release 5.0, Build 5008 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Sterling File Gateway - Route Processing

Fix ID: 247248, 243696, 228988

Title: Add Broadcast Functionality to Filegateway, allowing single Arrived File to be routed and delivered to multiple consumers.

Request Description:

Provide two methods to allow integration architects and route provisioners to configure routing channels that allow a single arrived file to result in delivery to multiple consumers.

1. Fact Based Broadcast List Identification. A new system fact will be introduced, ConsumerBroadcastGroup, that can be used to identify consumers in a dynamic route much in the same manner as the facts ConsumerCode or ConsumerName allow a single consumer to be dynamically identified. The value of a ConsumerBroadcastGroup fact will be interpreted as the name of an existing Sterling File Gateway Partner group. When consumer identification is achieved via the ConsumerBroadcastGroup, a copy of the producer payload being processed will be routed to each member of the Sterling File Gateway Partner group identified by the fact. This fact can be set via producer payload filename pattern matching or via provisioning facts.

2. Consumer Identification Business Process Broadcast List identification. The contract for consumer identification business processes will be expanded to allow the BP to return a list of Consumer Names in addition to current behavior of returning a single Consumer Name. When a consumer identification BP returns a list of partner names, a copy of the producer payload will be routed to each listed partner. Names that do not correspond to an existing partner will result in a failed route, matching existing behavior on invalid ConsumerCode or ConsumerName facts.

Escalation ID: N/A

Status: Completed

Resolution:

Apply Sterling Integrator Release 5.0, Build 5008 or later.

Apply Sterling Integrator Release 5.1, Build 5102 or later.

Apply Sterling B2B Integrator Release 5.2, Build 5020200 or later.

Functional Area: Sterling File Gateway - Route Processing

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