

Sterling Multi-Channel Selling Solution



# Hot Fix Release Notes

*Release 8.0.2, HF1*



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**Note**

Before using this information and the product it supports, read the information in "Notices" on page 5.

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This edition applies to the 8.2 Version of Sterling Multi-Channel Selling and to all subsequent releases and modifications until otherwise indicated in new editions.

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## In This Hot Fix

This hot fix contains IBM® Sterling Multi-Channel Selling software fixes.

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### Installation Information

The prerequisites for this hot fix differ, depending on whether you are a new customer or an existing customer.

#### Prerequisites

Before you begin installing this hot fix feature, complete these prerequisites:

- If you are a new customer
  - Install Sterling Multi-Channel Selling Solution 8.0.2 before you install this hot fix. For information about installing Release 8.0.2, see the Sterling Commerce™ Customer Center
  - Follow the “Hot Fix Installation Procedure” below.
- If you are an existing customer, follow the “Hot Fix Installation Procedure” below.

#### Hot Fix Installation Procedure

The installation instructions file, `Hot_Fix_Installation.txt`, is included in the hot fix package.

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### Defects Addressed In This Hot Fix

The following defects have been addressed in this and previous hot fixes to Sterling Multi-Channel Selling Solution, Release 8.0.2.

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#### Hot Fix 1

Release 8.0.1-HF1

<b>Defect ID</b>	209194
<b>Case ID</b>	Internal
<b>Description</b>	During a product search, the application sometimes throws a “File already exists” exception error message because of a potential race condition in retrieving the name of a file from the memory cache.

<b>Defect ID</b>	209197
<b>Case ID</b>	Internal

**Description** When a user performs all the configurations listed here and synchronizes the products between the Sterling Multi-Channel Fulfillment Solution and the Sterling Multi-Channel Selling Solution, products are created in the Sterling Multi-Channel Fulfillment Solution, and the authentication of the user occurs in the Sterling Multi-Channel Selling Solution. The application inserts a record in the CMGT\_AUTHENTICATION\_EVENT for each product.

- Integrates MCF and MCS.
- Ensures that the URL sent to MCS contains “msg” instead of “amsg”.
- Sets the DefaultXMLIdentity to “false”.

If a user encounters this issue during synchronization process, a user must modify the sync URL to contain "amsg" instead of "msg" and must set the 'DefaultXMLIdentity' to "false". As a consequence of the changes, no record will be inserted in the CMGT\_AUTHENTICATION\_EVENT table.

**Solution:** The creation and deletion of a session in the application cache has been synchronized to avoid this error.

**Note:** The configuration should be reverted back after the bulk sync is complete.

**Defect ID** 209201  
**Case ID** Internal  
**Description** When a search index set is built and activated using the "Maintain Indexsets" cron on the admin server of the clustered environment, the product search returns an inconsistent product results page, if the search request is routed to the managed nodes in the cluster.

**Defect ID** 209198  
**Case ID** Internal  
**Description** The Sterling Multi-Channel Selling Solution does not completely clear the memory cache when a model is removed from the cache of the Configurator. This error occurs when the size of the model cache exceeds the size of the cache that is set in the Configurator's Business Rules.

**Defect ID** 211612  
**Case ID** Internal  
**Description** When the site administrator user clicks the "About" link in the Sterling Multi-Channel Selling Solution application, an “ArrayIndexOutOfBoundsException” is logged in the log.

**Defect ID** 209206  
**Case ID** Internal  
**Description** The number of index builder Java threads configured for an index build process in the Sterling Multi-Channel Selling application is not successfully read when the Maintain Indexes cron is auto-triggered.

**Solution:** This issue has been fixed. The preferences will now be read based on the storefront defined in the cron URL.

**Defect ID** 209204  
**Case ID** Internal

**Description** The Sterling Multi-Channel Selling Solution displays a "Cannot access cached ProductCategory" error message in the application console under the conditions:

1. A new category is added, a catalog index is built, and the index is activated on the admin node of a clustered environment.
2. Search request for the category defined in step 1 is routed to a managed node in a clustered environment.

**Defect ID** 209766

**Case ID** Internal

**Description** The Sterling Multi-Channel Selling Solution has to be enhanced to improve the performance of the catalog browsing functionality as part of the Sterling Multi-Channel Selling Solution performance benchmark testing. The Sterling Multi-Channel Selling Solution must be enhanced to improve the performance of the catalog browsing functionality as part of the Sterling Multi-Channel Selling Solution performance benchmark testing.

**Solution:** In the "com.comergent.reference.appservices.productService.IndexedProductCategoryCache.java" file, a new HashMap will be used instead of iterating through a "while" loop. In addition, in the "com.comergent.reference.appservices.cache.SessionCache.java" file, a new keyEntries Set has been introduced, which will be cleared when the clear() method is called.

**Defect ID** 209199

**Case ID** Internal

**Description** If the Secure Sockets Layer (SSL) accelerator is implemented in a clustered environment, and the load balancer acts as an SSL termination point, the application servers recognize only the HTTP traffic. Because the Sterling Multi-Channel Selling Solution generates all the URLs using the scheme/protocol of the incoming request, all the URLs are in the http://<server>/<context>/<resource> format.

**Solution:** The application has been enhanced to modify the scheme of the outgoing response URL to honor the SSL protocol in response to the HTTP requests. To enable this enhancement, perform the following:

1. Create a new "url.properties" file in the /WEB-INF/classes directory.
2. Add "bigip.http.header.name=X-stercomm-is-ssl" to the file created in step 1.
3. Add "-Dstercomm.url.properties=url.properties" to the JVM setting used to start the Web server.
4. Restart the Web server.

**Note:** The SSL accelerator must be configured to add an additional header, that is, "X-stercomm-is-ssl" in the incoming request, and this header must be set to "true".

**Defect ID** 209200

**Case ID** Internal

**Description** The Sterling Multi-Channel Selling Solution encounters potential race conditions when accessing the cache files from the memory cache if multiple requests are concurrently issued for the same named DataBean. This may result in an increase in thread count, which in turn slows down the performance of the application.

<b>Defect ID</b>	209203
<b>Case ID</b>	Internal
<b>Description</b>	<p>When a search is performed for some products under the following conditions, the Sterling Multi-Channel Selling Solution application displays an incomplete search result:</p> <ul style="list-style-type: none"><li>• When a large number of products are added or modified</li><li>• When an incremental index set is built</li></ul> <p>This scenario can be consistently simulated if more than 125 products are added or modified, and an incremental index build is performed.</p>

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