



Suite Engine Channel Sales Manager Release Notes

Product: Channel Sales Manager Core

Release: 3.5

Version: 3.5.2023020921.70642

Release Date: 02/09/2023

Minimum Business Central Version Compatibility: 20.0

Please install this release in your Business Central sandbox environment for testing. It is Suite Engine's recommendation that you test not only the areas specifically addressed within this release but all of your business processes, so that you may confirm that changes introduced in this release have not created issues in other parts of your application. These release notes should be fully reviewed as part of your testing process, as they may include information on new setup and configuration requirements.

If you encounter issues in your testing, please contact your Suite Engine partner or file a support ticket at <https://suiteengine.com/support>.

Once you have completed testing in your sandbox, you can proceed to installing this release in your live environment. Suite Engine recommends that users be logged out of Business Central prior to installation of the release; if this is not possible, please advise your users that it may be necessary to refresh or log out/log in to Business Central in order to continue working with the application.

This release is issued under the assumption that you have kept your existing Suite Engine applications current. Suite Engine cannot be held responsible for any issues that arise out of installing this release into an out-of-date environment.

This release is compatible with the Business Central version listed above as the **Minimum Business Central Version Compatibility** and all subsequent Business Central versions; if you are deploying this release in a Business Central environment that has an earlier version than this value, functionality may not work as intended.

This release may introduce new table objects or modifications to existing ones. If you are maintaining configuration packages for the purpose of moving data to and from database environments, you are advised to take note of any table changes (for a complete list of release objects, see [here](#)) and make any adjustments to these packages as needed.

Release Overview

Features and Functionality

- The **Order Status** field on a number of CSM tables has been re-captioned to **BC Order Status** for added clarity:
 - **CSM Automation** (in addition, the corresponding page's caption was removed to use this updated table caption)
 - **CSM Order Line**
 - **CSM Order Line Archive**
 - **CSM Order Status**
- The **BC Order Status** field in the **CSM Order Status** table has been changed from an option type field to an enumeration.

- Functionality has been added to support the setup of multiple job queues for CSM automation. See the [in-depth feature description](#) for more details.
- A sales order's channel code and channel order ID are now being populated prior to the insertion of the sales header record. This supports scenarios in which a user wants to assign custom order numbers to channel orders.
- It is now possible to aggregate inventory across multiple Business Central locations when calculating item availability for CSM listings. See the [in-depth feature description](#) for more details.
- A new **Listing Default Attribute Set** field has been added to the **CSM Sales Channel** table. This provides additional flexibility in establishing the relationship between a sales channel's categories and attribute sets:
 - *One Per Category*: categories and attributes have a unique one-to-one relationship (this is CSM's default behavior).
 - *Single*: a default listing attribute set can be assigned to the channel. This default will be assigned to all of the channel's listings, regardless of category.
 - *Multiple Categories*: a many-to-one relationship can be established between categories and attribute sets.
- The **CSM API Messages** page has been updated to sort by the **Message Initialized** field, providing a chronological view (starting with most recent) of API messages.

Channel Foundations

The following Channel Sales Manager Core changes will support forthcoming features and functionality for channel-specific integrations:

- To support all channel integrations, the results message that is presented following the execution of the test channel communication action has been updated for clarity.
- To support all channel integrations, objects have been added to present display notifications of necessary changes and actions that need to be taken as part of future CSM upgrades.
- To support an upcoming Shopify integration, functionality has been added that allows users to initiate and post a return order from a CSM order within Business Central, then update the order on the Shopify platform accordingly.
- A number of changes have been made to CSM Core to support an upcoming integration between CSM and CPM:
 - CSM Core now retrieves an order's total gift card amount.
 - A new event trigger was added to prevent CSM from attempting to post an order's payment in environments where CPM is also installed so that CPM may execute this activity instead.
 - Refund application functionality that was originally included in the Shopify integration has been moved to CSM Core.

Corrections

- After an API message was passed to a codeunit, the API message was not being refreshed in system memory/the related variable. This has been corrected.
- Validating a mapping to an enumeration field would modify the record itself. This has been corrected.
- The existing OnBeforeUpdateChannelOrderStatus integration event on the **CSM Order Header** table did not have all the necessary parameters to completely handle the update logic. This event has been obsoleted and replaced with a new event that has the necessary parameters.
- Posting a sales order when Business Central's work date was earlier than the order date would result in an error. This has been corrected.

- The **Send to Channel** action on the **CSM Channel Categories** page was mistakenly placed in a separate **New** ribbon. This has been corrected.
- Attempting to manually assign a CSM parent channel category to a CSM channel category on the **CSM Channel Categories** page would result in a primary key error. This has been corrected.
- CSM listing product information records that were built from extended text had a source type of *Value* rather than *Blob*. This has been corrected.

In-Depth Features

Setting Up Multiple Job Queues

Two new codeunits have been added to CSM that can be assigned to job queue entries:

- 70338218, *CSM OrderAutomationJobQueue*
- 70338219, *CSM ListingAutomationJobQueue*

You can use job queue parameter strings to set a filter based on automation records' codeunit ID codes. When the job queue entry runs, only those automation routines with the relevant codeunit ID code will be executed. The same codeunit ID code is assigned to all out-of-the-box automation routines, regardless of channel:


- Order management automation routines are assigned a codeunit ID code of *ORDERMGTDEFAULT*.
- Listing management automation routines are assigned a codeunit ID code of *LISTINGMGTDEFAULT*.

By default, the CSM job queue entry codeunits will execute against these codeunit IDs. For example, the order management codeunit will by default execute against all automation routines with a codeunit ID code of *ORDERMGTDEFAULT*. However, you can manually change an automation routine's codeunit ID code to a different value, then set up a separate job queue entry with a parameter string filter for this new value. When this job queue entry runs, it will execute only those automation routines that share this parameter.

A common scenario in which this is useful is in high-volume, multi-channel environments. If a single job queue entry is responsible for retrieving orders for all channels, the large volume of records being processed may lead to performance issues. In addition, if a problem with the order retrieval process exists for one channel, this failure will prevent the retrieval of orders for all other channels. In such a situation, you could assign different codeunit IDs to the automation routines for each channel, then set up separate job queue entries, each with a different codeunit ID assigned as the parameter. In this way, each job queue would execute the automation routines for a separate sales channel, reducing the overall volume of records being processed as part of each activity.

Note: *the buttons on the CSM Administrator Role Center that allow for the execution of order management and listing management automation are hard-coded to the default ORDERMGTDEFAULT and LISTINGMGTDEFAULT codeunit IDs. If you create additional automation routines with difference codeunit IDs, they will not be included as part of these Role Center actions.*

To create a job queue entry for order management automation:

1. Choose the  icon, enter **Job Queue Entries**, and then choose the related link.
2. Choose the **New** action in the ribbon to create a new job queue entry.
3. In the **Object Type to Run** field, select the *Codeunit* option.
4. In the **Object ID to Run** field, enter *70338218*.
5. If you have assigned different codeunit IDs to your automation routines, enter the one for which you are setting up the job queue entry in the **Parameter String** field.



6. To define the frequency with which the job queue entry will run and other setup values, please follow [standard Business Central practices](#).
7. If you are working with multiple codeunit IDs, repeat steps 1-6 to set up additional job queue entries for each one.

To create job queue entries for listing management automation, follow the same process as described above, but assign codeunit 70338219 in the **Object ID to Run** field.

Aggregating Item Availability Across Multiple Locations

It is now possible to map multiple Business Central locations to a single channel location. This is useful in scenarios where you want to aggregate inventory from multiple Business Central locations when sending item availability to Shopify.

1. From the **CSM Inventory Locations** window, select the channel location you want map to Business Central locations, then choose the **Manage** ribbon and select the **Edit** action.
2. Select the first available line on the **CSM Locations** FastTab enter or use the AssistButton in the **Location Code** field, to map a Business Central location to the CSM inventory location.
3. If you want CSM to use inventory from the location as part of availability calculations, place a check mark in the **Incl in Inventory Calculation** field.
4. If the location represents a virtual location to which you want to receive returned or credited items that you do not wish to re-stock, place a check mark in the **Is Returnless** field.
5. Repeat steps 2-4 if you want to map additional Business Central locations to the channel location.

If you want to send inventory information from Business Central to Shopify, you must assign the ID of the Shopify location to which you want to send calculated inventory values in the **Channel Inv. Location** field on the **CSM Sales Channel** card. When you instruct CSM to calculate availability for a channel listing, it will include inventory from any Business Central locations that have been mapped to this assigned channel inventory location.

Release Objects

The following objects have been created, modified, or removed as part of this release:

Object Type	Object ID	Object Name	Action
Table	70338206	CSM API Mapping	Modified
Table	70338208	CSM API Data Buffer	Modified
Table	70338213	CSM Order Header Archive	Modified
Table	70338214	CSM Order Line Archive	Modified
Table	70338218	CSM Automation	Modified
Page	70338220	CSM Sales Channel	Modified
Page	70338221	CSM Order Header	Modified
Table	70338222	CSM Order Line	Modified
Table	70338223	CSM Order Document	Modified
Table	70338227	CSM Shipping Method	Modified
Table	70338232	CSM Order Status	Modified
Table	70338235	CSM Channel Category	Modified



Object Type	Object ID	Object Name	Action
Table	70338237	CSM Inventory Location	Modified
Table	70338240	CSM Listing	Modified
Table	70338244	CSM Order Document Line	Modified
Table	70338258	CSM Order Document Transaction	Created
Table	70338259	CSM Order Archive Doc. Trans.	Created
Table	70338261	CSM Location	Created
Table	70338262	CSM Upgrade Notification	Created
Page	70338204	CSM API Sub Variables	Modified
Page	70338206	CSM API Mappings	Modified
Page	70338207	CSM API Messages	Modified
Page	70338218	CSM Automation List	Modified
Page	70338220	CSM Sales Channel	Modified
Page	70338221	CSM Order	Modified
Page	70338222	CSM Order Lines	Modified
Page	70338223	CSM Order Documents	Modified
Page	70338235	CSM Channel Categories	Modified
Page	70338237	CSM Inventory Locations	Modified
Page	70338239	CSM Order Archive Statistics	Modified
Page	70338243	CSM Order Archive Documents	Modified
Page	70338245	CSM Order Document Line	Modified
Page	70338256	CSM Orders	Modified
Page	70338257	CSM Listings	Modified
Page	70338260	CSM Order Statistics Factbox	Modified
Page	70338267	CSM Reprocess API Message	Modified
Page	70338275	CSM Data Buffer Mapping Info	Modified
Page	70338277	CSMRetrieveChannelOrderDialog	Modified
Page	70338283	CSM Order Document Transactns.	Created
Page	70338284	CSM Order Archive Doc. Trans.	Created
Page	70338287	CSM Locations	Created
Page	70338288	CSM Inventory Location	Created
Page	70338292	CSM Upgrade Notifications	Created
Codeunit	87002	CSM Core Test Response Mgmt	Modified
Codeunit	87004	CSM Response Management Test	Modified
Codeunit	87005	CSM Core Test Utility Library	Modified
Codeunit	87006	CSM Return_Refund Test	Modified
Codeunit	70338200	CSM API Utility Functions	Modified
Codeunit	70338201	CSM API Buffer Management	Modified
Codeunit	70338204	CSM API Response Management	Modified



Object Type	Object ID	Object Name	Action
Codeunit	70338205	CSM Order Management	Modified
Codeunit	70338206	CSM Order Mgt Automation	Modified
Codeunit	70338207	CSM Listing Management	Modified
Codeunit	70338208	CSM Listing Mgt Automation	Modified
Codeunit	70338209	CSM Create Sales Order	Modified
Codeunit	70338210	CSM Stripe Integration Core	Modified
Codeunit	70338213	CSM Upgrade	Modified
Codeunit	70338215	CSM Create Sales Credit Memo	Modified
Codeunit	70338218	CSM OrderAutomationJobQueue	Created
Codeunit	70338219	CSM ListingAutomationJobQueue	Created
Codeunit	70338220	CSM Install	Created
Codeunit	70338221	CSM Notification Management	Created
Enumeration	70338228	CSM Attribute Set Behaviour	Created
Enumeration	70338229	CSM ERP Order Status	Created
PermissionSet	70338200	CSM Core	Modified

Release Extensions

The following extensions have been created, modified, or removed as part of this release:

Object Type	Object ID	Object Name	Action	Extends
TableExtension	70338200	CSMSalesHeader	Modified	Sales Header
TableExtension	70338201	CSMSalesInvoiceHeader	Modified	Sales Invoice Header
TableExtension	70338202	CSM Sales Header Archive	Modified	Sales Header Archive
TableExtension	70338203	CSM Sales Cr. Memo Header	Modified	Sales Cr.Memo Header
TableExtension	70338204	CSM Sales Shipment Header	Modified	Sales Shipment Header
TableExtension	70338205	CSM Return Receipt Header	Created	Return Receipt Header
TableExtension	70338206	CSM Sales Line	Created	Sales Line
TableExtension	70338207	CSM Return Receipt Line	Created	Return Receipt Line
TableExtension	70338208	CSM Sales Shipment Line	Created	Sales Shipment Line
TableExtension	70338209	CSM Sales Invoice Line	Created	Sales Invoice Line
TableExtension	70338210	CSM Sales Cr.Memo Line	Created	Sales Cr.Memo Line
TableExtension	70338211	CSM Sales Line Archive	Created	Sales Line Archive
TableExtension	70338212	CSM User Setup	Created	User Setup
PageExtension	70338201	CSM Posted Sales Credit Memo	Modified	Posted Sales Credit Memo
PageExtension	70338205	CSM Sales Return Order	Created	Sales Return Order
PageExtension	70338206	CSM Posted Return Receipt	Created	Posted Return Receipt
PageExtension	70338207	CSM User Setup	Created	User Setup



Integration Events

The following integration events have been added as part of this release:

Object Type	Object ID	Object Name	Integration Events
Table	70338220	CSM Sales Channel	<ul style="list-style-type: none"> OnTestCommunicationForSalesChannelRequest
Table	70338221	CSM Order Header	<ul style="list-style-type: none"> OnBeforeGetTotalAmountPaidInGiftCard OnAfterGetTotalAmountPaidInGiftCard OnBeforeUpdateSalesChannelOrderStatus* OnBeforeCreateSalesReturnOrder OnAfterCreateSalesReturnOrder OnBeforeUpdateSalesChannelOrderStatus OnAfterUpdateSalesChannelOrderStatus OnBeforeUpdateChannelOrderStatus <p><i>*Replaces obsolete OnBeforeUpdateSalesChannelOrderStatus event</i></p>
Codeunit	70338205	CSM Order Management	<ul style="list-style-type: none"> OnBeforeGetFilterForApplyingRefundToSalesCrMemoDocument OnBeforeApplyRefundToCreditMemoDocument OnBeforeCreateSalesChannelReturnRcptDocument OnAfterCreateSalesChannelReturnRcptDocument OnBeforeSendReturnOrderInfoOperation OnAfterSendReturnOrderInfoOperation OnBeforeSendCreatedReturnOrderDocumentImmediate OnBeforeSendCreatedReturnRcptDocumentImmediate OnBeforeSendCreatedCrMemoDocumentImmediate OnBeforeCreateSalesChannelReturnOrderDocument OnAfterCreateSalesChannelReturnOrderDocument OnBeforeCreateSalesChannelReturnOrderDocumentLines OnAfterCreateSalesChannelReturnOrderDocumentLines OnBeforeCreateSalesChannelReturnRcptDocumentLines OnAfterCreateSalesChannelReturnRcptDocumentLines OnBeforeCreateSalesChannelReturnOrderDocumentLine OnAfterCreateSalesChannelReturnOrderDocumentLine OnBeforeCreateSalesChannelReturnRcptDocumentLine OnAfterCreateSalesChannelReturnRcptDocumentLine OnBeforeCreateSalesChannelCrMemoDocumentLines OnAfterCreateSalesChannelCrMemoDocumentLines OnBeforeCreateSalesChannelCrMemoDocumentLine OnAfterCreateSalesChannelCrMemoDocumentLine OnBeforeSendCrMemoInfoOperation OnAfterSendCrMemoInfoOperation OnGetAPIFunctionForSendCrMemoInfoOperation OnGetAPIFunctionForSendReturnOrderInfoOperation OnBeforeSendReturnRcptInfoOperation OnGetAPIFunctionForSendReturnRcptInfoOperation OnAfterSendReturnRcptInfoOperation OnBeforeSendSuggestReturnOrderInfoOperation OnGetAPIFunctionForSendSuggestReturnOrderInfoOperation OnAfterSendSuggestReturnOrderInfoOperation OnBeforeCheckIsShippingCharge OnAfterCheckIsShippingCharge OnBeforeCreateSalesChannelCrMemoDocumentLinesSetReturnInventoryAction OnBeforeOnBeforeCreateSalesChannelReturnOrderDocumentLinesSetReturnInventoryAction OnBeforeCreateSalesChannelReturnRcptDocumentLinesSetReturnInventoryAction



Object Type	Object ID	Object Name	Integration Events
			<ul style="list-style-type: none"> • OnBeforeBuildCSMParameterCrMemoLines • OnBeforeBuildCSMParameterReturnOrderLines • OnBeforeBuildCSMParameterReturnRcptLines • OnBeforeBuildCSMParameterOrderDocumentLines • OnBeforeBuildCSMParameterOrderDocumentTransactions • OnAfterBuildCSMParameterCrMemoLines • OnAfterBuildCSMParameterReturnOrderLines • OnBuildCSMParameterReturnOrderLinesOnBeforeCreateReturnOrderLineParameter • OnBuildCSMParameterReturnRcptLinesOnBeforeCreateReturnRcptLineParameter • OnAfterBuildCSMParameterReturnRcptLines • OnBuildCSMParameterOrderDocumentLinesOnBeforeCreateOrderDocumentLineParameter • OnAfterBuildCSMParameterOrderDocumentLines • OnBuildCSMParameterOrderDocumentTransactionOnBeforeCreateOrderDocumentTransactionParameter • OnAfterBuildCSMParameterOrderDocumentTransactions • OnBuildCSMParameterCrMemoLinesOnBeforeCreateCrMemoLineParameter • OnApplyRefundToSalesCrMemoDocumentOnBeforePostRefundCSMOrderDocument • OnApplyPaymentToInvoiceDocumentOnBeforePostPaymentCSMOrderDocument • OnBeforeProcessingSuggestRefund
PageExtension	70338205	CSM Sales Return Order	<ul style="list-style-type: none"> • CSMAfterSetDefaultVisibility