# Suite Engine Channel Sales Manager Release Notes

**Product:** Channel Sales Manager Core
**Release:** 4.4
**Version:** 4.4.2024111325.163290
**Release Date:** 11/19/2024
**Minimum Business Central Version Compatibility:** 24.0

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 Suite Engine cannot be held responsible for any issues that arise out of installing this release into an out-of-date environment.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 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 following CSM Core tables can now be assigned to standard Business Central retention policies:
    - 70338207, **CSM API Message**
    - 70338208, **CSM API Data Buffer**
    - 70338209, **CSM Parameter**
    - 70338216, **CSM Processing Log**
    - 70338255, **CSM API Message Header**
    - 70338268, **CSM Listing Synchronization History**.

## Channel Foundations

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

- A new **CSM Price List** table has been added to CSM Core. Users can associate a CSM price list to a Business Central price list, generate price list lines, then communicate this information to a connected eCommerce channel. This functionality has been added to initially support an upcoming BigCommerce integration, but will also be incorporated into other CSM integrations.
- A number of new features have been added to CSM Core to support companies that are working with an eCommerce platform's B2B features:
  - **CSM Companies:** allow users to associate Business Central customers to B2B companies.
  - **CSM Company Contacts:** allow users to associate Business Central contacts to a B2B company's users/contacts,
  - **CSM Company Locations:** allow users to associate Business Central ship-to addresses to a B2B company's locations/addresses.

  Once these records have been defined, they can be communicated to a connected eCommerce channel. Support for bi-directional integration is included, making it possible to send changes from Business Central to the external environment, but also retrieve changes from the external environment and update the corresponding Business Central records accordingly. Logic has also been extended to CSM's order management functionality so that orders placed by B2B users are appropriately identified as such when they are retrieved into Business Central.

  This functionality has been added to initially support an upcoming BigCommerce integration, but will also be incorporated into other CSM integrations.
- To support upcoming Shopify and WooCommerce integrations, CSM triggers and actions for the clean-up of redundant *Variant* options for CSM listing product types has been added to CSM Core.

## Corrections

- CSM was not properly assigning tax area codes to retrieved orders when CSM country setup mapping was being used. This has been corrected.
- Newly-created CSM inventory locations were being given a blank API set code, and it was not possible to assign one. This has been corrected.
- Attempting to send a CSM listing with non UTF-8 characters in the product description blob to a connected eCommerce channel would result in an error. This has been corrected.

## Miscellaneous

- CSM Core has been compiled against Microsoft Dynamics 365 Business Central 2024 Wave 2 (version 25) for compatibility issues. In addition, the minimum supported version has been raised to version 24. In order to meet this requirement, a number of changes were required, primarily involving the clean-up of obsolete objects/code:
  - Code that was triggering low-risk warnings has been removed.
  - The **Ship Service Level** field on the **CSM Order Header** table and other related tables, pages, and functions has been deprecated.

- o The following fields have been refactored from being an option type to an enumeration:
  - ▪ The **Order Status** field on the **CSM Order Header** table and other related tables.
  - ▪ The **Availability Basis** field on the **CSM Listing** table and other related tables and functions.
  - o The **CSM Attribute Data** table has been marked as obsolete; it will be removed in a future update.
  - o A number of the **CSM Listing** table's field definitions were missing captions and tooltips. These have been added.
- Automated tests pertaining to the following areas have been added to CSM Core:
  - o Customer creation based on sales channel setup.
  - o Price calculation for CSM listings.
- The **Enable API Automation** Boolean field has been removed from the **CSM Setup** page, as CSM Core has been modified to automatically detect and execute API Engine automations if they are present.
- A recent release of the API Engine Library included updates to the way in which next functions were being executed. Changes have been made to CSM Core to support these API Engine updates.

## Release Objects

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

| Object Type | Object ID | Object Name | Action |
|---|---|---|---|
| Table | 70338200 | CSM Setup | Modified |
| Table | 70338207 | CSM API Message | Modified |
| Table | 70338208 | CSM API Data Buffer | Modified |
| Table | 70338209 | CSM Parameter | Modified |
| Table | 70338213 | CSM Order Header Archive | Modified |
| Table | 70338215 | CSM Sorting Table | Modified |
| Table | 70338218 | CSM Automation | Modified |
| Table | 70338220 | CSM Sales Channel | Modified |
| Table | 70338221 | CSM Order Header | Modified |
| Table | 70338223 | CSM Order Document | Modified |
| Table | 70338230 | CSM Price Group | Modified |
| Table | 70338233 | CSM Trigger | Modified |
| Table | 70338234 | CSM Action | Modified |
| Table | 70338235 | CSM Channel Category | Modified |
| Table | 70338237 | CSM Inventory Location | Modified |
| Table | 70338240 | CSM Listing | Modified |
| Table | 70338242 | CSM Listing Attribute | Modified |
| Table | 70338243 | CSM API Credential | Modified |

| Object Type | Object ID | Object Name | Action |
|---|---|---|---|
| Table | 70338245 | CSM API Shared Session | Modified |
| Table | 70338249 | CSM Reprocess API Message | Modified |
| Table | 70338253 | CSM Gift Card | Modified |
| Table | 70338255 | CSM API Message Header | Modified |
| Table | 70338261 | CSM Location | Modified |
| Table | 70338269 | CSM Price List | Created |
| Table | 70338270 | CSM Price List Line | Created |
| Table | 70338272 | CSM Price List Line Tier Price | Created |
| Table | 70338275 | CSM Company | Created |
| Table | 70338276 | CSM Company Contact | Created |
| Table | 70338277 | CSM Contact Role | Created |
| Table | 70338278 | CSM Company Location | Created |
| Page | 70338200 | CSM Setup | Modified |
| Page | 70338208 | CSM API Message | Modified |
| Page | 70338219 | CSM Order Archive | Modified |
| Page | 70338220 | CSM Sales Channel | Modified |
| Page | 70338221 | CSM Order | Modified |
| Page | 70338230 | CSM Price Groups | Modified |
| Page | 70338233 | CSM Triggers | Modified |
| Page | 70338235 | CSM Channel Categories | Modified |
| Page | 70338240 | CSM Listing | Modified |
| Page | 70338251 | CSM Role Center Order Cue | Modified |
| Page | 70338252 | CSM Role Center Headline | Modified |
| Page | 70338255 | CSM Sales Channels | Modified |
| Page | 70338257 | CSM Listings | Modified |
| Page | 70338262 | CSM Product Info Image Factbox | Modified |
| Page | 70338267 | CSM Reprocess API Message | Modified |
| Page | 70338288 | CSM Inventory Location | Modified |
| Page | 70338294 | CSM Listing Ext. Req. Update | Modified |
| Page | 70338526 | CSM Listing Factbox | Modified |
| Page | 70338528 | CSM Price Lists | Created |
| Page | 70338529 | CSM Price List Card | Created |
| Page | 70338530 | CSM Price List Lines Subpage | Created |
| Page | 70338532 | CSM PriceList Line Tier Prices | Created |
| Page | 70338533 | CSMPriceListTierPrices Factbox | Created |
| Page | 70338535 | CSM Price List Factbox | Created |
| Page | 70338536 | CSM Contact Roles | Created |

| Object Type | Object ID | Object Name | Action |
|---|---|---|---|
| Page | 70338537 | CSM Company Locations Subpage | Created |
| Page | 70338538 | CSM Company Location Card | Created |
| Page | 70338539 | CSM Company Contact Card | Created |
| Page | 70338540 | CSM Company Contacts Subpage | Created |
| Page | 70338541 | CSM Company List | Created |
| Page | 70338542 | CSM Company Card | Created |
| Page | 70338543 | CSM Company Location List | Created |
| Page | 70338544 | CSM Company Contact List | Created |
| Page | 70338545 | CSM Company Factbox | Created |
| Page | 70338546 | CSM Company Contact Factbox | Created |
| Page | 70338547 | CSM Company Location Factbox | Created |
| Codeunit | 82002 | CSM Core Test Utility Library | Modified |
| Codeunit | 82005 | CSM Listing Management Test | Modified |
| Codeunit | 82008 | CSM Return & Refund Test | Modified |
| Codeunit | 82010 | CSMCORE Library - SalesChannel | Created |
| Codeunit | 82011 | CSMCORE Library - ChannelOrder | Created |
| Codeunit | 82012 | CSM Order Management Test | Created |
| Codeunit | 82013 | CSM Price List Test | Created |
| Codeunit | 82014 | CSM B2B Test | Created |
| Codeunit | 70338200 | CSM API Utility Functions | Modified |
| Codeunit | 70338201 | CSM API Buffer Management | Modified |
| Codeunit | 70338203 | CSM API Request Management | Modified |
| Codeunit | 70338204 | CSM API Response Management | Modified |
| 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 | Created |
| Codeunit | 70338213 | CSM Upgrade | Modified |
| Codeunit | 70338215 | CSM Create Sales Credit Memo | Modified |
| Codeunit | 70338220 | CSM Install | Modified |
| Codeunit | 70338223 | CSM SENAPI Management | Created |
| Codeunit | 70338224 | CSMCORE APIEngineDataload | Created |
| Codeunit | 70338225 | CSM UpgradeTags | Created |
| Codeunit | 70338230 | CSM Data Load CU Generator | Created |
| Codeunit | 70338231 | CSM Load Demo BC Data | Modified |

| Object Type | Object ID | Object Name | Action |
|---|---|---|---|
| Codeunit | 70338241 | CSM Price List Management | Created |
| Codeunit | 70338243 | CSMSENAPIValueProcessFunc | Modified |
| Codeunit | 70338244 | CSM B2B Management | Created |
| Codeunit | 70338246 | CSMSENAPIListingMgmtAutomation | Modified |
| Codeunit | 70338248 | CSMDataRetention | Created |
| Codeunit | 70338250 | CSMCompanyLocTypeBlankImp | Created |
| Codeunit | 70338251 | CSMCompanyLocTypeCustomerImp | Created |
| Codeunit | 70338252 | CSMCompanyLocTypeShipToImp | Created |
| Codeunit | 70338253 | CSMCompanyLocTypeUnknownImp | Created |
| Codeunit | 70338254 | CSMNewB2BDataBehaviorManualImp | Created |
| Codeunit | 70338255 | CSMNewB2BDataBehaviorAutoImp | Created |
| Codeunit | 70338256 | CSMNewB2BDataBehaviorUnknowImp | Created |
| Codeunit | 70338257 | CSMCompanyLocTypeDefaultImp | Created |
| Codeunit | 70338258 | CSMNewB2BDataBehaviorDfaultImp | Created |
| Enumeration | 70338222 | CSM SKU Listing Mapping | Modified |
| Enumeration | 70338242 | CSM Pricing Type | Created |
| Enumeration | 70338243 | CSM Listings Included | Created |
| Enumeration | 70338246 | CSM Price List Assignment Type | Created |
| Enumeration | 70338247 | CSM Company Location Type | Created |
| Enumeration | 70338248 | CSM Company Payment Behavior | Created |
| Enumeration | 70338249 | CSM CompLoc Billing Addr. Type | Created |
| Enumeration | 70338250 | CSM Company Status | Created |
| Enumeration | 70338251 | CSM New B2B Data Behavior | Created |
| PermissionSet | 82000 | Perm | Modified |
| PermissionSet | 70338200 | CSM Core | Modified |
| Interface | | CSM Company Location Type | Created |
| Interface | | CSM New B2B Data Behavior | Created |

## 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 | 70338213 | CSMSENAPIAutomations | Modified | SENAPI Automation |

## Integration Events

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

| Object Type | Object ID | Object Name | Integration Events |
|---|---|---|---|
| Table | 70338233 | CSM Trigger | • OnAfterCSMActionRunCodeunit<br>• OnAfterExecuteIndependentExecutionTrigger |
| Table | 70338236 | CSM Attribute Data | • OnBeforeRefreshAttributeOptionsFromLink<br>• OnBeforeRefreshSalesChannelAttributesForAttributeSetLink<br>• OnGetSalesChannelAttributesForAttributeSet |
| Table | 70338269 | CSM Price List | • OnBeforeGeneratePriceListLinesForCSMPriceList<br>• OnAfterGeneratePriceListLinesCSMForPriceList<br>• OnBeforeInsertCSMPriceListLine<br>• OnAfterInsertCSMPriceListLine<br>• OnBeforeInsertCSMPriceListLineTierPrice<br>• OnAfterInsertCSMPriceListLineTierPrice<br>• OnBeforeUpdateCSMPriceListLine<br>• OnAfterUpdateCSMPriceListLine<br>• OnBeforeFilterBCPriceListLines<br>• OnAfterFilterBCPriceListLines |
| Table | 70338275 | CSM Company | • OnBeforeUpdateCustomer<br>• OnAfterUpdateCustomer<br>• OnBeforeCreateNewCustomerForCSMCompany<br>• OnAfterCreateNewCustomerForCSMCompany<br>• OnBeforeUpdateLinkedCustomer<br>• OnAfterUpdateLinkedCustomer |
| Table | 70338278 | CSM Company Location | • OnBeforeUpdateLinkedAddressFromCSMCompanyLocation<br>• OnAfterUpdateLinkedAddressFromCSMCompanyLocation<br>• OnBeforeUpdateBCCustomerFromCSMCompanyLocation<br>• OnAfterUpdateBCCustomerFromCSMCompanyLocation<br>• OnBeforeCreateShipToAddressFromCSMCompanyLocation<br>• OnAfterCreateShipToAddressFromCSMCompanyLocation<br>• OnBeforeIsDefaultBillingLocation<br>• OnAfterUpdateBillingAddressFields<br>• OnAfterUpdateShippingAddressFields |
| Page | 70338542 | CSM Company Card | • OnAfterSetDefaultVisibility |
| Codeunit | 70338205 | CSM Order Management | • OnBeforeFindCustomerForChannelCompanyID<br>• OnBeforeCreateCSMCompanyFromCSMOrder<br>• OnAfterCreateCSMCompanyFromCSMOrder |
| Codeunit | 70338207 | Listing Management | • OnProcessAttributeSetSyncAndSend<br>• OnGetAPIFunctionForSubmitAttributeToChannelOperation<br>• OnAfterSubmitAttributeToChannelOperation<br>• OnGetAPIFunctionForSubmitAttributeSetToChannelOperation<br>• OnAfterSubmitAttributeSetToChannelOperation<br>• OnGetAPIFunctionForAddAttributeToSetOnChannelOperation<br>• OnAfterAddAttributeToSetOnChannelOperation<br>• OnAfterAddAttributesToSetOnChannelOperation<br>• OnBeforeSubmitAttributeOptionsToChannelOperation |

| Object Type | Object ID | Object Name | Integration Events |
|---|---|---|---|
| | | | • OnGetAPIFunctionForSubmitAttributeOptionsToChannelOperation<br>• OnAfterSubmitAttributeOptionsToChannelOperation |
| Codeunit | 70338223 | CSM SENAPI Management | • OnBeforeBuildSENAPIParamPriceListLines<br>• OnBuildSENAPIParamCSMPriceListLineOnBeforeCreateCSMPriceListLineParam<br>• OnAfterBuildSENAPIParamPriceListLines<br>• OnUpdateStatusForSendPriceListLinesToChannel<br>• OnBeforeBuildSENAPIParamCSMPriceListLineTierPrices<br>• OnBuildSENAPIParamCSMPriceListLineTierPricesOnBeforeCreateCSMPriceListLineTierPriceParam<br>• OnAfterBuildSENAPIParamPriceListLineTierPrices<br>• OnBeforeBuildSENAPIParamPriceListAssignments<br>• OnBuildSENAPIParamCSMPriceListAssignmentOnBeforeCreateCSMPriceGroupParam<br>• OnAfterBuildSENAPIParamPriceListAssignments<br>• OnUpdateStatusForSendPriceListAssignmentsToChannel<br>• OnAfterSENAPISendAttributeSetAttributesToChannel |
| Codeunit | 70338241 | CSM Price List Management | • OnBeforeSendPriceListToChannel<br>• OnAfterSendPriceListToChannel<br>• OnBeforeSendPriceListLinesToChannel<br>• OnAfterSendPriceListLinesToChannel<br>• OnBeforeSendPriceListAssignmentsToChannel<br>• OnAfterSendPriceListAssignmentsToChannel |
| Codeunit | 70338244 | CSM B2B Management | • OnBeforeSendCompanyToChannel<br>• OnAfterSendCompanyToChannel<br>• OnBeforeSendContactRoleToChannel<br>• OnAfterSendContactRoleToChannel<br>• OnBeforeRetrieveContactRolesFromChannel<br>• OnAfterRetrieveContactRolesFromChannel<br>• OnBeforeRetrieveCompaniesFromChannel<br>• OnAfterRetrieveCompaniesFromChannel<br>• OnBeforeRetrieveCompanyFromChannel<br>• OnAfterRetrieveCompanyFromChannel<br>• OnBeforeRetrieveCompanyContactsFromChannel<br>• OnAfterRetrieveCompanyContactsFromChannel<br>• OnBeforeRetrieveCompanyLocationsFromChannel<br>• OnBeforeSendCompanyContactToChannel<br>• OnAfterSendCompanyContactToChannel<br>• OnAfterRetrieveCompanyLocationsFromChannel<br>• OnBeforeSendCompanyLocationToChannel<br>• OnAfterSendCompanyLocationToChannel<br>• OnBeforeSendCompanyStatusToChannel<br>• OnAfterSendCompanyStatusToChannel |
| Codeunit | 70338252 | CSMCompanyLocTypeShipToImp | • OnBeforeUpdateShipToAddressFromCSMCompanyLocation<br>• OnAfterUpdateShipToAddressFromCSMCompanyLocation |