



# SANA COMMERCE 9.3

MICROSOFT DYNAMICS AX 2009 CHANGES



## INTRODUCTION

This document contains information about modified and new objects in **Microsoft Dynamics AX 2009**, which relate to the data model. Here you can also find the description of the new and modified maps, classes, forms and other objects that are used to gather, process and display data from the tables.

## MODIFIED TABLES

The table below provides the description of the modified tables in Microsoft Dynamics AX, including the fields:

Table Name	Field ID	Field Name	Type	Description
BOM	50001	SC_VisibleInWebshop	Enum	BOM components visibility in the webshop
ConfigTable	50001	SC_SortNum	Integer	Sorting number
ContactPerson	50001	SC_LastModified	Real	Last date/time modified
Currency	50001	SC_VisibleInWebshop	Enum	Currency visibility in the webshop
CustInvoiceJour	50001	SC_BillToName	String	Bill to name
CustInvoiceJour	50002	SC_PaymentMethod	String	Payment method name
CustInvoiceJour	50003	SC_Comments	String	Comments
CustInvoiceJour	50004	SC_SanaOrder	Enum	Order is made using E-Commerce system.
CustPackingSlipJour	50001	SC_BillToName	String	Bill to name
CustPackingSlipJour	50002	SC_PaymentMethod	String	Payment method name
CustPackingSlipJour	50003	SC_Comments	String	Comments
CustPackingSlipJour	50004	SC_SanaOrder	Enum	Order is made using E-Commerce system.
CustTable	50001	SC_B2cCustomer	Enum	Defines whether a customer is B2C
CustTable	50002	SC_ImportCustNum	String	Sana customer number
CustTable	50003	SC_LastModified	Real	Last date/time modified
CustTable	50004	SC_IsGuest	Enum	Define whether a customer is a guest
DocuRef	50001	SC_VisibleInWebshop	Enum	Attachments visibility in the webshop
EmplTable	50001	SC_LastModified	Real	Last date/time modified
InventColor	50001	SC_SortNum	Integer	Sorting number
InventDimCombination	50001	SC_VisibleInWebShop	Enum	Item visibility in the webshop
InventItemGroup	50001	SC_VisibleInWebshop	Enum	Item group visibility in the webshop
InventItemGroup	50002	SC_SortNum	Integer	Order number in the webshop left menu
InventSize	50001	SC_SortNum	Integer	Sorting number
InventTable	50001	SC_VisibleInWebShop	Enum	Item visibility in the webshop
InventTable	50002	SC_LastModified	Real	Last date/time modified

InventTxt	50001	SC_Name	String	Item name
MarkupTable	50001	SC_MarkupCode	String	For internal use
ReturnReasonCode	50001	SC_VisibleInWebShop	Enum	Return code visibility in the webshop
SalesLine	50001	SC_SupplItem	Enum	Supplementary item
SalesLine	50002	SC_SupplItemTableRecid	Int64	Supplementary item table RecId
SalesLine	50003	SC_SupplAttachRecId	Int64	Supplementary Attached item RecId
SalesTable	50001	SC_OrderId	String	Sana order number
SalesTable	50002	SC_FieldsDictionary	String	Raw XML data
SalesTable	50003	SC_Comments	String	Comments
SalesTable	50004	SC_BillToName	String	Bill to name
SalesTable	50005	SC_PaymentMethod	String	Payment method name
SalesTable	50006	SC_PaymentStatus	String	Payment method status
SalesTable	50007	SC_PromotionValue	Real	Promotion discount value
SalesTable	50008	SC_PromotionAmount	Real	Promotion discount amount
SalesTable	50009	SC_PromotionType	Enum	Promotion type
SalesTable	50010	SC_PromotionTitle	String	Promotion title
SalesTable	50011	SC_PromotionCode	String	Promotion code
SalesTable	50012	SC_PromotionDiscPercent	Real	For internal use
SalesTable	50013	SC_ShipmentMethodName	String	Shipment method name imported from SQL provider
SalesTable	50014	SC_SanaOrder	Enum	Order is made using E-Commerce system
SalesTable	50015	SC_DateReceived	Date	Sana order date received
SalesTable	50016	SC_TimeReceived	Time	Sana order time received
SalesTable	50017	SC_ShopAccountCode	String	Sell-to shop account e-mail
SalesTable	50018	SC_PaymentTransactionId	String	Payment transaction ID
SalesTable	50019	SC_WebshopId	String	Webshop ID
SalesTable	50020	SC_IsPersistedBasket	Enum	Order is used as persisted basket.
SalesTable	50022	SC_AuthorizationStatus	String	Approval status of the order placed by the customer with the sub-account role
SalesTable	50023	SC_PickupLocationId	String	Pickup location ID
SalesTable	50024	SC_PickupLocationAddress	String	Pickup location address
SalesTableDelete	50001	SC_SanaOrder	Enum	Order is made using E-Commerce system
SalesTableDelete	50002	SC_OrderId	String	Sana order number
SalesQuotationTable	50001	SC_OrderId	String	Sana order number
SalesQuotationTable	50002	SC_FieldsDictionary	String	Raw XML data
SalesQuotationTable	50003	SC_Comments	String	Comments
SalesQuotationTable	50004	SC_BillToName	String	Bill to name
SalesQuotationTable	50005	SC_PaymentMethod	String	Payment method name
SalesQuotationTable	50006	SC_PaymentStatus	String	Payment method status
SalesQuotationTable	50007	SC_PromotionCode	String	Promotion code
SalesQuotationTable	50008	SC_PromotionTitle	String	Promotion title

SalesQuotationTable	50009	SC_PromotionType	Enum	Promotion type
SalesQuotationTable	50010	SC_PromotionAmount	Real	Promotion discount amount
SalesQuotationTable	50011	SC_PromotionValue	Real	Promotion discount value
SalesQuotationTable	50012	SC_PromotionDiscPercent	Real	For internal use
SalesQuotationTable	50013	SC_SanaOrder	Enum	Order is made using E-Commerce system
SalesQuotationTable	50014	SC_ShipmentMethodName	String	Shipment method name imported from SQL provider
SalesQuotationTable	50015	SC_ShopAccountCode	String	Sell-to shop account e-mail
SalesQuotationTable	50016	SC_TimeReceived	Time	Sana order time received
SalesQuotationTable	50017	SC_DateReceived	Date	Sana order date received
SalesQuotationTable	50018	SC_PaymentTransactionId	String	Payment transaction ID
SalesQuotationTable	50019	SC_WebshopId	String	Webshop ID
SalesQuotationTable	50020	SC_IsPersistedBasket	Enum	Order is used as persisted basket.
SalesQuotationTable	50021	SC_IsPromotable	Enum	Quotation can be converted to order from a webshop
SalesQuotationTable	50022	SC_AuthorizationStatus	String	Approval status of the order placed by the customer with the sub-account role.
SalesQuotationTable	50023	SC_PickupLocationId	String	Pickup location ID
SalesQuotationTable	50024	SC_PickupLocationAddress	String	Pickup location address
SalesQuotationLine	50001	SC_SupplItem	Enum	Supplementary item
SalesQuotationLine	50002	SC_SupplAttachRecId	Int64	Supplementary Attached item RecId
SalesQuotationLine	50003	SC_SupplItemTableRecId	Int64	Supplementary item table RecId
Unit	50001	SC_VisibleInWebshop	Enum	Item visibility in the webshop

## NEW TABLES

The table below provides the description of the new tables in Microsoft Dynamics AX, including the fields:

Table Name	Field ID	Field Name	Type	Description
SC_AddressCountryRegionSetup	50002	TemplateCustomer	String	Customer template
SC_AddressCountryRegionSetup	50003	CountryRegionId	String	Country Region Id
SC_AddressCountryRegionSetup	50004	VisibleInWebshop	Enum	Country visibility in the webshop
SC_AddressCountryRegionSetup	50005	WebShopId	String	Webshop name
SC_DataValidationRulesTable	50001	Active	Enum	Specifies whether a validation rule is activated
SC_DataValidationRulesTable	50002	ValidationTableId	Integer	Table ID
SC_DataValidationRulesLine	50001	ErrorTxt	String	Error message
SC_DataValidationRulesLine	50002	Operator	Enum	Operator
SC_DataValidationRulesLine	50003	ValidationFieldId	Integer	Field ID
SC_DataValidationRulesLine	50004	ValidationTableId	Integer	Table ID
SC_DataValidationRulesLine	50005	Value	String	Value
SC_FilterWebShopsTable	50001	WebShopId	String	Webshop ID
SC_FilterWebShopsTable	50002	FilterStr	String	Filter string
SC_FilterWebShopsTable	50003	FieldName	String	Field name
SC_FilterWebShopsTable	50004	TableName	String	Table name
SC_InventGroupTxt	50001	ItemGroupId	String	Item group ID
SC_InventGroupTxt	50002	Txt	String	Specifies text in the current language
SC_InventGroupTxt	50003	LanguageId	String	Specifies the language the text is used in
SC_ItemVisibilityRules	50001	AccountCode	Enum	Account code
SC_ItemVisibilityRules	50002	AccountRelation	String	Account selection
SC_ItemVisibilityRules	50003	ItemCode	Enum	Item code
SC_ItemVisibilityRules	50004	ItemRelation	String	Item selection
SC_ItemVisibilityRules	50005	Mode	Enum	Mode
SC_ItemVisibilityRules	50006	WebShopId	String	Webshop ID
SC_LanguageParametersTable	50001	LanguageId	String	Language ID
SC_LanguageParametersTable	50002	LocaleId	Integer	Windows language ID
SC_ManualProcessRequestsTable	50001	FilePath	String	File path
SC_ManualProcessRequestsTable	50002	FileName	String	File name
SC_ManualProcessRequestsTable	50003	FileSize	Integer	File size
SC_ManualProcessRequestsTable	50004	FileCreatedDate	Date	File created date
SC_ManualProcessRequestsTable	50005	FileModifiedDate	Date	File date last modified
SC_ManualProcessRequestsTable	50006	FileAccessedDate	Date	File date last accessed
SC_ManualProcessRequestsTable	50007	FileType	String	Type of the file
SC_ManualProcessRequestsTable	50008	UserId	String	User ID
SC_ManualRequestsSetupTable	50001	ExtResTool	String	Response external tool
SC_ManualRequestsSetupTable	50002	ExtReqTool	String	Request external tool

SC_ManualRequestsSetupTable	50003	OutputDir	String	Response output directory
SC_ManualRequestsSetupTable	50004	UserId	String	User ID
SC_ParametersTable	50001	EnableLog	Enum	Enable logging for all requests
SC_ParametersTable	50002	FileLogPath	String	Logging output directory
SC_ParametersTable	50005	Key	Integer	Index key
SC_ParametersTable	50006	UpdateThreshold	Integer	Update product threshold
SC_ParametersTable	50007	Culture	String	Default culture (language culture name)
SC_ParametersTable	50008	IncludeProcessDuration	Enum	Include request processing duration
SC_RelatedItemsTable	50001	ItemId	String	Item ID
SC_RelatedItemsTable	50002	RelatedItemId	String	Related item ID
SC_RelatedItemsTable	50003	RelationType	Integer	Relation type
SC_RelatedItemsTable	50004	SortNum	String	Sorting number
SC_ParametersTable	50007	Culture	String	Default culture
SC_WebShopsTable	50001	WebShopId	String	Webshop ID
SC_WebShopsTable	50002	TemplateCustAccount	String	Template customer code
SC_WebShopsTable	50003	ShippingCostAccount	String	Shipping cost account
SC_WebShopsTable	50004	PaymentCostAccount	String	Payment cost account
SC_WebShopsTable	50005	TemplatePaymentCode	String	Payment method code
SC_WebShopsTable	50006	DefaultSiteId	String	Default site
SC_WebShopsTable	50007	DefaultLocationId	String	Default location
SC_WebShopsTable	50008	DefaultItemSalesTaxGroup	String	Default item sales tax group
SC_WebShopsTable	50009	OverrideCustDim	Enum	Override customer dimension
SC_WebShopsTable	50010	StockCalculationType	Enum	Inventory calculation method
SC_WebShopsTable	50011	OrderNumberSequence	String	Sales order
SC_WebShopsTable	50012	QuoteNumberSequence	String	Quotation
SC_WebShopsTable	50014	DisableBOM	Enum	Disable BOM components
SC_WebShopsTable	50015	DisableSupplItems	Enum	Disable supplementary items
SC_WebShopsTable	50016	DisableTax	Enum	Disable tax calculation
SC_WebShopsTable	50017	DisableUOM	Enum	Disable UOM conversion
SC_WebShopsTable	50018	OrderType	Enum	Order type (order, quotation, journal)
SC_WebShopsTable	50019	QuotePromotableDefault	Enum	All quotations can be converted into orders directly from the webshop
SC_WebShopsTable	50020	SyncOrderType	Enum	Synchronized basket type that is used only with the order processing strategy optimized for large orders

SC_WebShopsTable	50021	DayRange	Integer	Day range within which Microsoft Dynamics AX checks the customer's order history for the shopping cart suggestions
SC_WebShopsTable	50022	LookbackYears	Integer	The number of lookback years for Microsoft Dynamics AX to check the customer's order history for the shopping cart suggestions
SC_WebShopsTable	50023	SortingOption	Enum	Determines which products based on the customer's order history should be shown as suggested
SC_WebShopsTable	50024	DisableAlternativeItems	Enum	Disable alternative items functionality
SC_WebShopsTable	50025	DisableTotalDiscounts	Enum	Disable total discounts calculation
SC_WebShopsTable	50026	DisableMultilineDiscounts	Enum	Disable multiline discounts calculation
SC_WebShopsTable	50027	EnableReports	Enum	Enable report downloads
SC_WebShopsTable	50028	EnableDocAttachments	Enum	Enable document attachment downloads
SC_WebShopsTable	50029	EnableProdAttachments	Enum	Enable product attachment downloads
SC_WebShopsTable	50030	GuestNumberSequence	String	Guest customer account number sequence
SC_WebShopsTable	50031	OffsetLedgerAccountType	Enum	Offset account type for payment journal
SC_WebShopsTable	50032	OffsetLedgerCompany	String	Offset company account for payment journal
SC_WebShopsTable	50033	OffsetLedgerAccount	String	Offset ledger account for payment journal
SC_WebShopsTable	50034	OffsetLedgerTxt	String	Offset transaction text for payment journal
SC_WebShopsTable	50035	EnableShippingAddressCreation	Enum	Create shipping address
SC_WebShopsTable	50036	DisablePriceDisc	Enum	Disable discount for price
SC_WebShopsTable	50038	DefaultPrice	Enum	Define which price to use as a list price
SC_WebShopsTable	50039	B2CRegistrationType	Enum	B2C customers registration type Person\Organization
SC_WebShopsTable	50040	CustPaymJournalName	String	Customer payment journal
SC_WebShopsTable	50041	PostAutoInvoicePayment	Enum	Post invoice payments automatically

SC_WebShopsTable	50042	PostAutoPrepayment	Enum	Post prepayments automatically
SC_WebShopsTable	50043	DisableAutoCharges	Enum	Disable auto charges

## MODIFIED MAPS

The table below provides the description of the modified maps:

Map ID	Map Name	Description
313	PriceDiscHeading	Added promotion calculation

## NEW BASE ENUMS

The tables below provide the description of the new and modified base enums:

Base Enum ID	Base Enum Name	Description
50010	SC_B2CRegistrationType	New customer registration type.
50008	SC_SortingOption	Identification of sort type.
50001	SC_AccountType	Webshop account type
50004	SC_AllowDeny	Permission type used to allow or deny enum
50009	SC_DefaultPrice	Define which price to use as a list price
50002	SC_DiscountType	Promotion discount type
50007	SC_SalesType	Sales Order type (order, quotation, journal)
50005	SC_TableGroup	Enum type of the field relation
50006	SC_ValidationOperator	Criteria operator

## NEW EXTENDED DATA TYPES

The table below provides the description of the new extended data types:

Extended Data Type ID	Extended Data Type Name	Description
50001	SC_Code	Code for identification
50002	SC_Comments	Order comments
50003	SC_FieldName	Inventory table field name
50004	SC_LargeText	Alternative text for the element
50005	SC_WebshopId	Webshop name



## NEW DISPLAY MENU ITEMS

The tables below provide the description of the new display menu items:

Display Menu Items Name	Description
SC_About	About Sana
SC_AddressCountryRegion	Country\region setup
SC_CustInvoiceJournalWebshop	Sana invoices
SC_CustPackingSlipJournalWebshop	Sana Packing slips
SC_DataValidationRules	Data validation rules
SC_DefaultDataWizard	Sana Startup Wizard
SC_InventGroupTxt	Invent group translations
SC_InventItemCombinationInfo	Product combination information overview
SC_InventItemInfoDetail	Webshop catalog overview
SC_ItemVisibilityRules	Customer assortment
SC_ManualProcessRequests	Manual process requests
SC_Parameters	Sana parameters
SC_ProductDimensionSorting	Automatic product dimension sorting
SC_ReturnTableListPageWebshop	Sana return orders
SC_SalesQuotationListPageDeclined	Sana declined quotations
SC_SalesQuotationListPagePending	Sana pending quotations
SC_SalesQuotationListPageWebshop	Sana quotations
SC_SalesQuotationListPagePersisted	Sana draft quotations
SC_SalesTableDeleteWebshop	Sana deleted orders
SC_SalesTableListPageDeclined	Sana declined orders
SC_SalesTableListPagePending	Sana pending orders
SC_SalesTableListPageWebshop	Sana sales orders
SC_SalesTableListPagePersisted	Sana draft sales orders
SC_WebShops	Webshops
SC_WebShopsFilters	Webshops filters

## NEW SECURITY AND CONFIGURATION KEYS

The table below provides the description of the new security and configuration keys:

Configuration Key ID	Configuration Key Name	Description
50001	SC_SanaCommerce	Main Sana Commerce solution configuration key

Security Key ID	Security Key Name	Description
50001	SC_SanaDaily	Security key for Sana Commerce menu elements
50002	SC_SanaTables	Security key for Sana Commerce tables

## NEW MACROS

Macros Name	Description
SANA	Sana macros which makes statements easy to reuse

## NEW AND MODIFIED CLASSES

The tables below provide the description of the new and modified classes.

### Modified classes

Class ID	Class Name	Description
329	Markup	A system bug was fixed in Microsoft Dynamics AX 2009 SP1. This fix was made for the correct functioning of quote to order conversion.
524	SalesFormLetter	Sales form letter
2567	SupplItemCreate_Sales	Mark the line as supplementary
768	SupplItemCreate_SalesQuotation	Mark the line as supplementary
540	SalesTableType	Set and validate new fields for SalesTable

### New classes

Class ID	Class Name	Description
50001	SC_About	About Sana Commerce
50012	SC_AXDataServiceClient	Main Sana Commerce solution class
50014	SC_AXDataServiceClient_Common	Used to retrieve information about entities (fields, relation between fields, etc.)
50013	SC_AXDataServiceClient_Customer	Contains functions for processing customers and salespeople
50016	SC_AXDataServiceClient_Order	Contains functions for retrieving sales documents (orders, quotes, etc.)
50017	SC_AXDataServiceClient_Product	Contains functions for catalog subsystem (products, categories, variants, etc.)
50015	SC_AXDataServiceClient_Settings	Contains functions for retrieving settings (currency, region, etc.)
50010	SC_DefaultDataWizard	Sana Commerce wizard
50008	SC_ManualRequestsSetup	Manual request tool
50018	SC_WebshopOrdersListPages	Sana orders list

## NEW AND MODIFIED FORMS

The tables below provide the description of the new and modified forms.

### Modified forms

Form Name	Description
CustPackingSlipJournal	Added new method for group all Sana orders
CustInvoiceJournal	Added new method for group all Sana orders
Currency	Added new field 'Visible in webshop'
ConfigTable	Added new field 'Sorting number'
CustTable	Added new field "IsB2cCustomer"
AddressCountryRegion	Added two new fields 'Visible in webshop' and 'Customer template'
InventDimCombination	Added new field 'Visible in webshop'
InventItemGroup	Added two new fields 'Visible in webshop' and 'Sorting no.'
InventTable	Added two new fields 'Visible in webshop' and 'Last date/time modified' and new menu item 'Related items'
InventTxt	Added new field 'Item name'
ReturnTable	Added new method for group all Sana orders
SalesTable	Added new tab 'E-Commerce' with the Sana comments, promotion and order fields
SalesTableDelete	Added new method for group all Sana orders
SalesQuotationTable	Added new tab 'E-Commerce' with the Sana comments, promotion and order fields
SysAbout	Added Sana Commerce information
Unit	Added new field 'Visible in webshop'

### New forms

Form Name	Description
SC_About	Used to view about Sana info
SC_AddressCountryRegion	Make country\region visible for webshop.
SC_DataValidationRules	Data validation rules which validate table data
SC_DefaultDataWizard	Sana Commerce startup wizard which guides through the Sana Commerce setup and helps to configure the main settings
SC_ItemVisibilityRules	Customer assortment used to set product visibility rules for individual customers or customer groups
SC_InventItemCombinationInfo	Item combination information overview
SC_InventItemInfoDetail	Webshop catalog overview which shows sales item information details for the webshops
SC_IntegrityCheck	Integrity check to validate webshop settings.
SC_ManualProcessRequests	Manual process requests used to get response from manually requested XML file
SC_ProductDimensionSorting	Automatic/manual item dimension sorting form
SC_RelatedItems	Used to add/remove related items
SC_InventGroupTxt	Translations for inventory groups

SC_Parameters	Webshop parameters, like logging, default storage dimension and language mapping
SC_WebShopsFilters	Used to set filters for the webshop catalog
SC_WebShops	Used to create and manage webshop

## NEW SERVICES

The table below provides the description of the new service:

Service Name	Description
SC_AXDataServiceClient	Used to connect Microsoft Dynamics AX 2009 AIF web service with the Sana Commerce framework

## NEW MENU ITEMS

Menu Item Name	Description
SC_About	Used to view about Sana info
SC_AddressCountryRegion	Make country\region visible for webshop.
SC_SalesTableListPageWebshop	View or take action on a list of sales orders
SC_SalesTableListPagePersisted	Draft orders
SC_SalesTableListPageDeclined	Declined orders.
SC_SalesTableListPagePending	Pending quotations.
SC_SalesTableReturnListPageWebshop	Show return orders
SC_SalesTableDeleteListPageWebshop	Show all sales orders marked as voided
SC_CustInvoiceJourListPageWebshop	List of updated invoices
SC_CustPackingSlipJourListPageWebshop	List of updates packing slips
SC_SalesQuotationListPagePersisted	Draft quotations
SC_SalesQuotationListPageDeclined	Declined quotations.
SC_SalesQuotationListPagePending	Pending quotations.
SC_SalesQuotationTableListPageWebshop	View or take action on a list of quotations
SC_DefaultDataWizard	Sana Commerce startup wizard that guides through Sana Commerce configuration
SC_DataValidationRules	Data validation rules that validate table data for response
SC_ItemVisibilityRules	Customer assortment allows to configure product visibility rules
SC_InventItemInfoDetail	Webshop catalog overview
SC_InventItemCombinationInfo	Item combination information overview
SC_InventGroupTxt	Translations used to create or update the item group descriptions in different languages
SC_ManualProcessRequests	Manual process requests used to get response from manually requested XML file
SC_Parameters	Webshop parameters
SC_ProductDimensionSorting	Item dimension sorting

SC_RelatedItems	Related items
SC_SalesTableListPageWebshop	Sales orders created from webshop
SC_SalesTableListPagePersisted	Draft orders created from webshop
SC_SalesTableReturnListPageWebshop	Return orders created from webshop
SC_SalesTableDeleteListPageWebshop	Deleted orders created from webshop
SC_SalesQuotationTableListPageWebshop	Quotations created from webshop
SC_SalesQuotationTableListPagePersisted	Draft quotations created from webshop
SC_WebShops	Webshops
SC_WebShopsFilters	Webshop filters

## NEW AND MODIFIED MENUS

### Modified menu

Menu Name	Description
MainMenu	Add Sana Commerce 'Webshop' menu item to the main Microsoft Dynamics AX menu

### New menu

Menu Name	Description
SC_SanaWebshop	Sana Commerce 'Webshop' menu

## ABOUT SANA COMMERCE

Sana provides ERP integrated B2B e-commerce platforms for wholesalers, distributors and manufacturers. With over 100 partners worldwide and more than 125 people across six offices, more than 1000 web stores run seamlessly thanks to Sana Commerce. Sana offers a complete set of additional services that are essential to run your online business successfully, such as advice on Search Engine Optimization (SEO), online marketing, hosting, online payment providers and graphic design.

Sana is a Gold Microsoft Partner, SAP partner, Certified for Microsoft Dynamics NAV & AX and certified for SAP integration.

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