

# Sana Commerce 8.3

## Microsoft Dynamics AX 2012 Objects Changes

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## Introduction

This document contains information about the modified and new objects in Microsoft Dynamics AX 2012, which relate to the data model. Here you can 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 and code changes of the modified tables in Microsoft Dynamics AX, including the fields:

Table Name	Field ID	Field Name	Type	Description
HcmWorker	60001	SC_LastModified	Real	Last date/time modified
Method name		Type	Code / Description	
insert()		Changed	<pre>//Sana Commerce --&gt; HcmWorker::updateLastModifiedDate(this.Person); //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt; HcmWorker::updateLastModifiedDate(this.Person); this.reread(); //Sana Commerce &lt;--</pre>	
updateLastModifiedDate()		New	Update Last Modified Date on worker	

Table Name	Field ID	Field Name	Type	Description
ContactPerson	60001	SC_LastModified	Real	Last date/time modified
Method name		Type	Code / Description	
insert()		Changed	<pre>//Sana Commerce --&gt; ContactPerson::updateLastModifiedDate(this.ContactPersonId); //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt; ContactPerson::updateLastModifiedDate(this.ContactPersonId); this.reread(); //Sana Commerce &lt;--</pre>	
vr_onlyWithCust()		New	Added validation to retrieve contacts with customer only	
updateLastModifiedDate()		New	Update Last Modified Date on contact	

Table Name	Field ID	Field Name	Type	Description
InventDimCombination	60001	SC_VisibleInWebShop	Enum	Item visibility in the webshop
Method name		Type	Code / Description	
delete()		Changed	<pre>//Sana Commerce --&gt; InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>	
insert()		Changed	<pre>//Sana Commerce --&gt; InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt; InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>	
updateAllVariants()		New	Update webshop visibility for all product variants	
updateVisibility()		New	Update webshop visibility for specific product variant	

Table Name	Field ID	Field Name	Type	Description
InventItemBarcode				
Method name		Type	Code	
delete()		Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>	
insert()		Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>	

Table Name	Field ID	Field Name	Type	Description
PriceDiscTable				
Method name		Type	Code	
delete()		Changed	<pre>//Sana Commerce --&gt;     if(this.ItemCode == TableGroupAll::Table)     {         InventTable::updateLastModifiedDate(this.ItemRelation);     } //Sana Commerce &lt;--</pre>	
insert()		Changed	<pre>//Sana Commerce --&gt;     if(this.ItemCode == TableGroupAll::Table)     {         InventTable::updateLastModifiedDate(this.ItemRelation);     } //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt;     if(this.ItemCode == TableGroupAll::Table)     {         InventTable::updateLastModifiedDate(this.ItemRelation);     } //Sana Commerce &lt;--</pre>	

Table Name	Field ID	Field Name	Type	Description
EcoResProductRelationTable	60001	SC_SortNum	String	Sorting number
Method name		Type	Code	
delete()		New	<pre>//Sana Commerce --&gt; public void delete() {     InventTable::updateLastModifiedDate('', this.Product1);     super(); } //Sana Commerce &lt;--</pre>	
insert()		New	<pre>//Sana Commerce --&gt; public void insert() {     super();     InventTable::updateLastModifiedDate('', this.Product1); } //Sana Commerce &lt;--</pre>	
update()		New	<pre>//Sana Commerce --&gt; public void update()</pre>	

		<pre> {     super();     InventTable::updateLastModifiedDate('', this.Product1); } //Sana Commerce &lt;-- </pre>
--	--	--

Table Name	Field ID	Field Name	Type	Description
LogisticsAddressCountryRegion	60001	SC_TemplateAccount	String	Customer template
LogisticsAddressCountryRegion	60002	SC_VisibleInWebshop	Enum	Item visibility in the webshop
Method name		Type	Code	
validateField()		Changed	<pre> //Sana Commerce --&gt;         case fieldNum(LogisticsAddressCountryRegion, SC_VisibleInWebshop):             if(ret &amp;&amp; this.SC_VisibleInWebshop &amp;&amp; !this.ISOcode)                 ret = checkFailed("@SCL160");                  break; //Sana Commerce &lt;-- </pre>	
Relation		New	LogisticsAddressCountryRegion.SC_TemplateAccount == CustTable.AccountNum	

Table Name	Field ID	Field Name	Type	Description
CustInvoiceJour	60007	SC_BillToName	String	Bill to name
CustInvoiceJour	60008	SC_Comments	String	Comments
CustInvoiceJour	60009	SC_PaymentMethod	String	Payment method name
Method name		Type	Code	
initFromSalesTable()		Changed	<pre> //Sana Commerce --&gt;         this.SC_BillToName      = salesTable.SC_BillToName;         this.SC_PaymentMethod  = salesTable.SC_PaymentMethod;         this.SC_Comments       = salesTable.SC_Comments; //Sana Commerce &lt;-- </pre>	

Table Name	Field ID	Field Name	Type	Description
CustPackingSlipJour	60005	SC_BillToName	String	Bill to name
CustPackingSlipJour	60006	SC_Comments	String	Comments
CustPackingSlipJour	60007	SC_PaymentMethod	String	Payment method name
Method name		Type	Code	
initFromSalesTable()		Changed	<pre> //Sana Commerce --&gt;         this.SC_BillToName      = _salesTable.SC_BillToName;         this.SC_PaymentMethod  = _salesTable.SC_PaymentMethod;         this.SC_Comments       = _salesTable.SC_Comments; //Sana Commerce &lt;-- </pre>	

Table Name	Field ID	Field Name	Type	Description
CustTable	60017	SC_B2cCustomer	Enum	Determines whether a customer is B2C
CustTable	60018	SC_ImportCustNum	String	Sana customer number
CustTable	60019	SC_LastModified	Real	Last date/time modified
Method name		Type	Code / Description	
insert()		Changed	<pre>//Sana Commerce --&gt;     CustTable::updateLastModifiedDate(this.AccountNum); //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt;     CustTable::updateLastModifiedDate(this.AccountNum);     this.reread(); //Sana Commerce &lt;--</pre>	
vr_validateCurrency()		New	Validate exchange rate on currency setup on customer	
updateLastModifiedDate()		New	Update Last Modified Date on customer	

Table Name	Field ID	Field Name	Type	Description
EcoResProductTranslation				
Method name		Type	Code	
delete()		Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate('', this.Product); //Sana Commerce &lt;--</pre>	
insert()		Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate('', this.Product); //Sana Commerce &lt;--</pre>	
update()		Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate('', this.Product); //Sana Commerce &lt;--</pre>	

Table Name	Field ID	Field Name	Type	Description
EcoResStorageDimensionGroupItem				
Method name		Type	Code	
delete()		New	<pre>//Sana Commerce --&gt; public void delete() {     InventTable::updateLastModifiedDate(this.ItemId);     super(); } //Sana Commerce &lt;--</pre>	
insert()		New	<pre>//Sana Commerce --&gt; public void insert() {     super();     InventTable::updateLastModifiedDate(this.ItemId); } //Sana Commerce &lt;--</pre>	
update()		New	<pre>//Sana Commerce --&gt; public void insert() {     super();     InventTable::updateLastModifiedDate(this.ItemId); } //Sana Commerce &lt;--</pre>	

Table Name	Field ID	Field Name	Type	Description
EcoResTrackingDimensionGroupItem				
Method name	Type	Code		
update()	Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>		
insert()	Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>		
delete()	Changed	<pre>//Sana Commerce --&gt;     InventTable::updateLastModifiedDate(this.ItemId); //Sana Commerce &lt;--</pre>		

Table Name	Field ID	Field Name	Type	Description
ECPPresentation				
Method name	Type	Code		
delete()	New	<pre>//Sana Commerce --&gt; public void delete() {     if(this.RefType == ECPPresentationRefType::Item)     {         InventTable::updateLastModifiedDate(this.RefId);     }     super(); } //Sana Commerce &lt;--</pre>		
insert()	Changed	<pre>//Sana Commerce --&gt;     if(this.RefType == ECPPresentationRefType::Item)     {         InventTable::updateLastModifiedDate(this.RefId);     } //Sana Commerce &lt;--</pre>		
update()	Changed	<pre>//Sana Commerce --&gt;     if(this.RefType == ECPPresentationRefType::Item)     {         InventTable::updateLastModifiedDate(this.RefId);     } //Sana Commerce &lt;--</pre>		

Table Name	Field ID	Field Name	Type	Description
DirPersonName				
Method name	Type	Code		
update()	Changed	<pre>//Sana Commerce --&gt;     if(this.orig().FirstName != this.FirstName    this.orig().MiddleName != this.MiddleName    this.orig().LastName != this.LastName)     {         CustTable::updateLastModifiedDate(CustTable::findByPartyRecId(Dir Person::find(this.Person).RecId).AccountNum);          ContactPerson::updateLastModifiedDate(ContactPerson::findByPartyR ecId(DirPerson::find(this.Person).RecId).ContactPersonId); </pre>		

```
HcmWorker::updateLastModifiedDate(this.Person);
}
//Sana Commerce <--
```

Table Name	Field ID	Field Name	Type	Description
DirOrganizationName				
Method name		Type	Code	
update()		Changed	<pre>//Sana Commerce --&gt; CustTable::updateLastModifiedDate(CustTable::findByPartyRecId(this.Organization).AccountNum);     this.reread(); //Sana Commerce &lt;--</pre>	

Table Name	Field ID	Field Name	Type	Description
InventItemGroup	60001	SC_SortNum	Integer	Sorting number
InventItemGroup	60002	SC_VisibleInWebshop	Enum	Item group visibility in the webshop
		Delete action	New	SC_InventGroupTxt, Cascade
MarkupTable	60002	SC_MarkupCode	String	For internal use

Table Name	Field ID	Field Name	Type	Description
SalesQuotationTable	60009	SC_BillToName	String	Bill to name
SalesQuotationTable	60010	SC_Comments	String	Comments
SalesQuotationTable	60011	SC_DateReceived	Date	Sana order date received
SalesQuotationTable	60012	SC_FieldsDictionary	String	Raw XML data
SalesQuotationTable	60013	SC_OrderId	String	Sana order number
SalesQuotationTable	60014	SC_PaymentMethod	String	Payment method name
SalesQuotationTable	60015	SC_PaymentStatus	String	Payment method status
SalesQuotationTable	60016	SC_PaymentTransactionId	String	Payment transaction ID
SalesQuotationTable	60017	SC_PromotionAmount	Real	Promotion discount amount
SalesQuotationTable	60018	SC_PromotionCode	String	Promotion code
SalesQuotationTable	60019	SC_PromotionDiscPercent	Real	For internal use
SalesQuotationTable	60020	SC_PromotionTitle	String	Promotion title
SalesQuotationTable	60021	SC_PromotionType	Enum	Promotion type
SalesQuotationTable	60022	SC_PromotionValue	Real	Promotion discount value
SalesQuotationTable	60023	SC_SanaOrder	Enum	Sana quotation
SalesQuotationTable	60024	SC_ShipmentMethodName	String	Sana shipment method name
SalesQuotationTable	60025	SC_ShopAccountCode	String	Sell-to shop account e-mail
SalesQuotationTable	60026	SC_TimeReceived	Time	Sana order time received
SalesQuotationTable	60027	SC_WebShopId	String	Webshop ID
Method name		Type	Code / Description	
calcPromotion()		New	Calculate promotion from the webshop and merge it with a total discount.	
displayImportCustNum()		New	Display if exists the specific customer number assigned by the import procedure.	

modifiedField()	Changed	<pre> //Sana Commerce --&gt;     LogisticsPostalAddress address; //Sana Commerce &lt;-- ... case fieldnum(SalesQuotationTable, InvoiceAccount):     this.setListCode(); //Sana Commerce --&gt;     address = DirParty::postalAddress(CustTable::find(this.InvoiceAccount).Party, LogisticsLocationRoleType::Invoice);     address = address ? address : DirParty::primaryPostalAddress(CustTable::find(this.InvoiceAccount).Party);     this.SC_BillToName = DirPartyPostalAddressView::find(CustTable::find(this.InvoiceAccount).Party, address.Location).LocationName;     break;      case fieldnum(SalesQuotationTable, SC_PromotionType):     case fieldnum(SalesQuotationTable, SC_PromotionValue):         if((this.SC_PromotionCode &amp;&amp; this.SC_PromotionType &amp;&amp; this.SC_PromotionValue)    this.SC_PromotionDiscPercent)         {             this.updateFinalDisc();         }         break; //Sana Commerce &lt;-- </pre>
validateWrite()	Changed	<pre> //Sana Commerce --&gt;     if(ret &amp;&amp; ((this.SC_PromotionTitle    this.SC_PromotionType    this.SC_PromotionValue) &amp;&amp; !this.SC_PromotionCode))     {         ret = checkFailed("@SCL98");     }     if(ret &amp;&amp; this.SC_PromotionCode &amp;&amp; !this.SC_PromotionType)     {         ret = checkFailed("@SCL176");     } //Sana Commerce &lt;-- </pre>
Relation	New	<pre> SalesQuotationTable.SC_WebshopId == SC_WebShopsTable.WebShopId </pre>



Table Name	Field ID	Field Name	Type	Description
SalesTable	60015	SC_BillToName	String	Bill to name
SalesTable	60016	SC_Comments	String	Comments
SalesTable	60017	SC_DateReceived	Date	Sana order date received
SalesTable	60018	SC_FieldsDictionary	String	Raw XML data
SalesTable	60019	SC_OrderId	String	Sana order number
SalesTable	60020	SC_PaymentMethod	String	Payment method name
SalesTable	60021	SC_PaymentStatus	String	Payment method status
SalesTable	60022	SC_PaymentTransactionId	String	Payment transaction ID
SalesTable	60023	SC_PromotionAmount	Real	Promotion discount amount
SalesTable	60024	SC_PromotionCode	String	Promotion code
SalesTable	60025	SC_PromotionDiscPercent	Real	For internal use
SalesTable	60026	SC_PromotionTitle	String	Promotion title
SalesTable	60027	SC_PromotionType	Enum	Promotion type
SalesTable	60028	SC_PromotionValue	Real	Promotion discount value
SalesTable	60029	SC_SanaOrder	Enum	Sana order
SalesTable	60030	SC_ShipmentMethodName	String	Sana shipment method name
SalesTable	60031	SC_ShopAccountCode	String	Sell-to shop account e-mail
SalesTable	60032	SC_TimeReceived	Time	Sana order time received
SalesTable	60033	SC_WebShopId	String	Webshop ID
Method name		Type	Code / Description	
calcPromotion()		New	Calculate promotion from the webshop and merge it with a total discount.	
displayImportCustNum()		New	Display if exists the specific customer number assigned by the import procedure.	
initFromSalesQuotationTable()		Changed	<pre>//Sana Commerce --&gt;     this.SC_BillToName           = _salesQuotationTable.SC_BillToName;     this.SC_Comments             = _salesQuotationTable.SC_Comments;     this.SC_FieldsDictionary     = _salesQuotationTable.SC_FieldsDictionary;     this.SC_OrderId              = _salesQuotationTable.SC_OrderId;     this.SC_PromotionAmount      = _salesQuotationTable.SC_PromotionAmount;     this.SC_PromotionCode        = _salesQuotationTable.SC_PromotionCode;     this.SC_PromotionTitle       = _salesQuotationTable.SC_PromotionTitle;     this.SC_PromotionType        = _salesQuotationTable.SC_PromotionType;     this.SC_PromotionValue       = _salesQuotationTable.SC_PromotionValue;     this.SC_PaymentMethod        = _salesQuotationTable.SC_PaymentMethod;     this.SC_PaymentStatus        = _salesQuotationTable.SC_PaymentStatus;     this.SC_PaymentTransactionId = _salesQuotationTable.SC_PaymentTransactionId;     this.SC_SanaOrder            =</pre>	

		<pre> _salesQuotationTable.SC_SanaOrder;     this.SC_DateReceived      = _salesQuotationTable.SC_DateReceived;     this.SC_TimeReceived      = _salesQuotationTable.SC_TimeReceived;     this.SC_ShipmentMethodName = _salesQuotationTable.SC_ShipmentMethodName;     this.SC_ShopAccountCode   = _salesQuotationTable.SC_ShopAccountCode;     this.SC_WebshopId         = _salesQuotationTable.SC_WebshopId; // Sana Commerce &lt;-- </pre>
Relation	New	SalesTable.SC_WebshopId == SC_WebShopsTable.WebShopId

Table Name	Field ID	Field Name	Type	Description
SalesLine	60018	SC_SupplItem	Enum	Supplementary item
SalesQuotationLine	60011	SC_SupplItem	Enum	Supplementary item

Table Name	Field ID	Field Name	Type	Description
InventTable	60019	SC_LastModified	Real	Last date/time modified
InventTable	60020	SC_VisibleInWebShop	Enum	Item visibility in the webshop
Method name		Type	Code / Description	
calcData()		New	Calculate the unit price, list price and inventory for a product or return the error message if any exists.	
displayLastMDateTime()		New	Method to Display LastM Date Time	
update()		Changed	<pre> //Sana Commerce --&gt;     boolean      visibilityChanged; //Sana Commerce &lt;-- ... //Sana Commerce --&gt;     if(this_Orig.SC_VisibleInWebShop != this.SC_VisibleInWebShop)     {         visibilityChanged = true;     } //Sana Commerce &lt;-- ... //Sana Commerce --&gt; InventTable::updateLastModifiedDate(this.ItemId);      if(visibilityChanged &amp;&amp; this.hasProductDimensions())     {         if(Box::yesNo("@SCL184",DialogButton::Yes) == DialogButton::Yes)         {  InventDimCombination::updateAllVariants(this.ItemId, this.SC_VisibleInWebShop);         }     }     this.reread(); //Sana Commerce &lt;-- </pre>	
vr_checkAutoresevationInventUnit()		New	Validate invent unit field if autoreservation is on.	
updateLastModifiedDate()		New	Method to update the Last Modified Date	

## New Tables

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

Table Name	Field ID	Field Name	Type	Description
SC_DataValidationRulesLine	60001	ErrorTxt	String	Error message
SC_DataValidationRulesLine	60002	Operator	Enum	Operator
SC_DataValidationRulesLine	60003	ValidationFieldId	Integer	Field ID
SC_DataValidationRulesLine	60004	ValidationTableId	Integer	Table ID
SC_DataValidationRulesLine	60005	Value	String	Value
SC_DataValidationRulesTable	60001	Active	Enum	Determines whether the validation rule is activated
SC_DataValidationRulesTable	60002	ValidationTableId	Integer	Table ID
SC_ItemVisibilityRulesTable	60001	AccountCode	Enum	Account code
SC_ItemVisibilityRulesTable	60002	AccountRelation	String	Account selection
SC_ItemVisibilityRulesTable	60003	ItemCode	Enum	Item code
SC_ItemVisibilityRulesTable	60004	ItemRelation	String	Item relation
SC_ItemVisibilityRulesTable	60005	Mode	Enum	Mode
SC_LanguageParametersTable	60001	LanguageId	String	Language ID
SC_LanguageParametersTable	60002	LocaleId	Integer	Windows language ID
SC_ManualProcessRequestsTable	60001	FileAccessedDate	Date	File date last accessed
SC_ManualProcessRequestsTable	60002	FileCreatedDate	Date	File date created
SC_ManualProcessRequestsTable	60003	FileModifiedDate	Date	File date last modified
SC_ManualProcessRequestsTable	60004	FileName	String	File name
SC_ManualProcessRequestsTable	60005	FilePath	String	File path
SC_ManualProcessRequestsTable	60006	FileSize	Integer	File size
SC_ManualProcessRequestsTable	60007	FileType	String	File type
SC_ManualProcessRequestsTable	60008	UserId	String	User ID
SC_ManualRequestsSetupTable	60001	ExtReqTool	String	Request external tool
SC_ManualRequestsSetupTable	60002	ExtResTool	String	Response external tool
SC_ManualRequestsSetupTable	60003	OutputDir	String	Response output directory
SC_ManualRequestsSetupTable	60004	UserId	String	User ID
SC_OrderImportInformation	60001	ImportDate	DateTime	Order import date
SC_OrderImportInformation	60002	OrderModifiedDate	DateTime	Order modified date
SC_OrderImportInformation	60003	OrderType	Enum	Order document type
SC_OrderImportInformation	60004	SalesId	String	Sales order ID
SC_OrderImportInformation	60005	SanaOrderNum	String	Sana order number
SC_OrderImportInformation	60006	WebshopId	String	Webshop ID
SC_InventGroupTxt	60001	ItemGroupId	String	Item group ID
SC_InventGroupTxt	60002	LanguageId	String	Specifies the language the text is used in
SC_InventGroupTxt	60003	Txt	String	Specifies text in the current language
SC_FilterWebShopsTable	60001	FieldName	String	Field name

SC_FilterWebShopsTable	60002	FilterStr	String	Filter string
SC_FilterWebShopsTable	60003	WebShopId	String	Webshop ID
SC_ParametersTable	60001	DefaultLocationId	String	Default location ID
SC_ParametersTable	60002	DefaultSiteId	String	Default site ID
SC_ParametersTable	60003	EnableLog	Enum	Enable logging
SC_ParametersTable	60004	FileLogPath	String	Logging output directory
SC_ParametersTable	60005	Key	Integer	Key
SC_WebShopsTable	60001	PaymentCostAccount	String	Payment cost account
SC_WebShopsTable	60002	ShippingCostAccount	String	Shipping cost account
SC_WebShopsTable	60003	TemplateCustAccount	String	Template customer code
SC_WebShopsTable	60004	TemplatePaymentCode	String	Payment method code
SC_WebShopsTable	60005	WebShopId	String	Webshop ID

## Modified Maps

The table below provides the description of the modified maps:

Map ID	Map Name	Description
313	PriceDiscHeading	Added promotion calculation and promotion field mapping.
Method name	Type	Code
updateFinalDisc()	Changed	<pre>//Sana Commerce --&gt;     if(this.TableId == tablename(SalesTable)    this.TableId == tablename(SalesQuotationTable))     {         this.calcPromotion();     } //Sana Commerce &lt;--</pre>

## New Base Enums

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

Base Enum ID	Base Enum Name	Description
100721	SC_AccountType	Webshop account type
100722	SC_AllowDeny	Permission type used to allow or deny enum
100723	SC_DiscountType	Promotion discount type
100724	SC_FilterType	Used for product filtering
100725	SC_TableGroup	Enum type of the field relation
100726	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
102078	SC_Code	Code for identification
102079	SC_Comments	Order comments
102080	SC_FieldName	Inventory table field name
102081	SC_LargeText	Alternative text for the element
102082	SC_WebshopId	Webshop name

## Configuration Keys

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

Configuration Key ID	Configuration Key Name	Description
100051	SC_SanaCommerce	Main Sana Commerce solution configuration key

## New and Modified Classes

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

### Modified classes

Class ID	Class Name	Description
532	SalesFormLetter_PackingSlip	Update the order date for the SQL order import task.
Method name	Type	Code
run()	New	<pre>// Sana Commerce --&gt; public void run() {     SC_OrderImportInformation orderImportInformation;     ;     super();      ttsBegin;     select firstonly forupdate orderImportInformation         where orderImportInformation.SalesId == this.salesTable().SalesId;      if(orderImportInformation)     {         orderImportInformation.OrderModifiedDate = DateTimeUtil::applyTimeZoneOffset(DateTimeUtil::utcNow(), DateTimeUtil::getCompanyTimeZone());         orderImportInformation.update();     }     ttsCommit; } // Sana Commerce &lt;--</pre>

Class ID	Class Name	Description
540	SalesTableType	Set and validate the new fields for SalesTable.
Method name	Type	Code
modifiedField()	Changed	<pre> //Sana Commerce --&gt;     LogisticsPostalAddress address; //Sana Commerce &lt;-- ... case fieldNum(SalesTable, InvoiceAccount): ... //Sana Commerce --&gt;     address = DirParty::postalAddress(CustTable::find(salesTable.InvoiceAccount).Party, LogisticsLocationRoleType::Invoice);     address = address ? address : DirParty::primaryPostalAddress(CustTable::find(salesTable.InvoiceAccount).Party);     salesTable.SC_BillToName = LogisticsLocation::find(address.Location).Description;     break;      case fieldnum(SalesTable, SC_PromotionType):     case fieldnum(SalesTable, SC_PromotionValue):         if((salesTable.SC_PromotionCode &amp;&amp; salesTable.SC_PromotionType &amp;&amp; salesTable.SC_PromotionValue)    salesTable.SC_PromotionDiscPercent)         {             salesTable.updateFinalDisc();         }         break; //Sana Commerce &lt;-- </pre>
validateWrite()	Changed	<pre> //Sana Commerce --&gt;     if(ok &amp;&amp; ((salesTable.SC_PromotionTitle    salesTable.SC_PromotionType    salesTable.SC_PromotionValue) &amp;&amp; !salesTable.SC_PromotionCode))     {         ok = checkFailed("@SCL98");     }     if(ok &amp;&amp; salesTable.SC_PromotionCode &amp;&amp; !salesTable.SC_PromotionType)     {         ok = checkFailed("@SCL176");     } //Sana Commerce &lt;-- </pre>

Class ID	Class Name	Description
768	SupplItemCreate_SalesQuotation	Mark the line as supplementary.
Method name	Type	Code
createLine()	Changed	<pre> //Sana Commerce --&gt;     salesQuotationLine.SC_SupItem = NoYes::Yes; //Sana Commerce &lt;-- </pre>

Class ID	Class Name	Description
2567	SupplItemCreate_Sales	Mark the line as supplementary.
Method name	Type	Code
createLine()	Changed	<pre>//Sana Commerce --&gt;     newSalesLine.SC_SupItem          = NoYes::Yes; //Sana Commerce &lt;--</pre>

## New classes

Class ID	Class Name	Description
1023823	SC_About	About Sana Commerce
1023824	SC_AXDataServiceClient	Main Sana Commerce solution class
1023825	SC_AXDataServiceClient_Common	Used to retrieve information about entities (fields, relation between fields, etc.)
1023826	SC_AXDataServiceClient_Customer	Contains functions for processing customers and salespeople
1023827	SC_AXDataServiceClient_Order	Contains functions for retrieving sales documents (orders, quotes, etc.)
1023828	SC_AXDataServiceClient_Product	Contains functions for catalog subsystem (products, categories, variants, etc.)
1023829	SC_AXDataServiceClient_Settings	Contains functions for retrieving settings (currency, region, etc.)
1023830	SC_DefaultDataWizard	Sana Commerce wizard
1023831	SC_ManualRequestsSetup	Manual request tool

## New Services

The table below provides the description of the new service:

Service Name	Description
SC_AXDataServiceClient	Used to connect Microsoft Dynamics AX 2012 AIF web service with the Sana Commerce framework.

## New and Modified Forms

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

### Modified forms

Form Name	Description	
DirPartyNameChange	Reread data after the related tables have been changed.	
Method name	Type	Code
close()	Changed	<pre>//Sana Commerce --&gt;     if (element.args().caller() &amp;&amp; element.args().caller().name() == formstr(smmContactPerson))     {         fr = element.args().caller();         fds = fr.dataSource(tableStr(ContactPerson));         if (fds)         {             fds.reread();             fds.refresh();         }     } //Sana Commerce &lt;--</pre>

Form Name	Description	
EcoResProductVariantsPerCompany	Added variant visibility option.	
Method name	Type	Code / Description
Datasource inventDimCombination new()	Changed	<pre>//Sana Commerce     InventDimCombination::updateVisibility(inventDimCombination);     inventDimCombination_ds.reread(); //Sana Commerce</pre>
Design	Changed	New field is added to the GridVariants grid and to the DetailsHeader group.

Form Name	Description	
SysAbout	Added Sana Commerce information.	
Method name	Type	Code / Description
Design	Changed	Group Links was extended with the Sana button.
clicked()	New	<pre>void clicked() {     super();     SC_About::main(new Args()); }</pre>



Form Name	Description	
EcoResProductRelation	Added new sorting field.	
Method name	Type	Description
Design	Changed	New custom field 'Sorting no.' is added to the grid.

Form Name	Description	
ContactPersonLookup	Added filter for the contacts with customers only.	
Method name	Type	Code
classDeclaration()	Changed	<pre>//Sana Commerce --&gt;     boolean                customly; //Sana Commerce &lt;--</pre>
init()	Changed	<pre>//Sana Commerce --&gt;     QueryBuildDataSource   qbd; //Sana Commerce &lt;-- ... //Sana Commerce --&gt;     if(customly)     {         qbd = contactPerson_ds.queryBuildDataSource().addDataSource(tableNum(CustTable));         qbd.addLink(fieldNum(ContactPerson, ContactForParty), fieldNum(CustTable, Party));     } //Sana Commerce &lt;--</pre>
onlyCustRelated()	New	<pre>//Sana Commerce --&gt; void onlyCustRelated(boolean _customly=false) {     customly = _customly; } //Sana Commerce &lt;--</pre>

Form Name	Description	
LogisticsAddressSetup	Added the country template and visibility option for the webshop.	
Method name	Type	Description
Design	Changed	New group SanaCommerce with two new fields 'Visible in webshop' and 'Customer template' are added to the GridCountry grid.

Form Name	Description	
SalesQuotationTable	Added the new tab 'E-Commerce' with the Sana comments, promotion and order fields.	
Method name	Type	Description
Design	Changed	New tab page Ecommerce is added to the HeaderDetailsTab tab with three new groups and custom fields. Three new custom fields are added to the Payment group.

Form Name	Description	
SalesTable	Added the new tab 'E-Commerce' with the Sana comments, promotion and order fields.	
Method name	Type	Description
Design	Changed	New tab page Ecommerce is added to the HeaderDetailsTab tab with three new groups and custom fields. Three new custom fields are added to the Payment group.

Form Name	Description	
InventItemGroup	Added item group translation, visibility and sorting for the webshop.	
Method name	Type	Description
Design	Changed	New button group DefineLanguages and new menu item button EcoResProductTranslationAction are added to the ActionPaneTab. New group SanaCommerce with two fields 'Visible in webshop' and 'Sorting no.' are added to the Setup group.

Form Name	Description	
EcoResProductDetailsExtended	Added product visibility for the webshop and last modified date.	
Method name	Type	Description
Design	Changed	New group SANA with two fields 'Visible in webshop' and 'Last date/time modified' are created.

## New forms

Form Name	Description
SC_DefaultDataWizard	Sana Commerce startup wizard which guides through the Sana Commerce setup and helps to configure the main settings.
SC_DataValidationRules	Data validation rules which validate table data.
SC_ItemVisibilityRules	Customer assortment used to set product visibility rules for individual customers or customer groups.
SC_InventItemInfoDetail	Webshop catalog overview which shows sales item information details for the webshops.
SC_InventItemCombinationInfo	Item combination information overview.
SC_ManualProcessRequests	Manual process requests used to get response from manually requested XML file.
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 Macros

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

## New Menu Items

Menu Item Name	Description
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_InventItemCombinationInfo	Product combination information overview
SC_InventItemInfoDetail	Webshop catalog overview
SC_ManualProcessRequests	Manual process requests used to get response from manually requested XML file
SC_InventGroupTxt	Translations used to create or update the item group descriptions in different languages
SC_Parameters	Webshop parameters
SC_WebShopsFilters	Webshop filters
SC_WebShops	Webshops

## New and Modified Menus

### Modified menu

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

### New menu

Menu Name	Description
SC_Webshop	Sana Commerce 'Webshop' menu

## Security

### Modified process cycles

Process Cycle Name	Description
InventAccounting	Added duties for Sana Commerce workflow and setup

### New roles

Role Name	Description
SC_WebshopManager	Sana Commerce webshop manager role used to manage webshops, products, orders and accounts for Sana Commerce solution

### New duties

Duty Name	Description
SC_Workflow	Sana Commerce workflow
SC_SanaSetup	Sana Commerce setup

### Modified privileges

Privilege Name	Description
InventItemGroupMaintain	Added entry point to the product group translation form

## New privileges

Privilege Name	Description
SC_DefaultDataWizard	Sana Commerce startup wizard
SC_DataValidationRules	Data validation rules
SC_ItemVisibilityRules	Customer assortment
SC_InventItemCombinationInfo	Product combination information overview
SC_InventItemInfoDetail	Webshop catalog overview
SC_Parameters	Sana Commerce parameters
SC_ManualProcessRequests	Manual process requests
SC_WebShops	Manage webshops
SC_AXDataServiceClient	Sana Commerce web service

## New Label Files

Label File Name	Description
SCL	Sana Commerce label file

## New Resources

Resource Name	Description
SC_Sanalmg	Sana Commerce logo file