

Generated using SQL Data Dictionary demo version.

## **WideWorldImporters**

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## Tables:

### **Table Application.Cities** (37,940 rows)

*Cities that are part of any address (including geographic location)*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	CityID	int			NEXT VALUE FOR [Sequences].[CityID]
<i>Numeric ID used for reference to a city within the database</i>					
	CityName	nvarchar(50)			
<i>Formal name of the city</i>					
<b>FK</b>	StateProvinceID	int			
<i>State or province for this city</i>					
	Location	geography		X	
<i>Geographic location of the city</i>					
	LatestRecordedPopulation	bigint		X	
<i>Latest available population for the City</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Application\_Cities** (Primary Key) (Clustered) (< 0.01% Selectivity)

CityID

**FK\_Application\_Cities\_StateProvinceID** (1.89% Selectivity)

*Auto-created to support a foreign key*

StateProvinceID

### References:

**Application.People** (LastEditedBy -> PersonID)

**Application.StateProvinces** (StateProvinceID)

### Referenced by:

**Application.SystemParameters** (DeliveryCityID -> CityID)

**Application.SystemParameters** (PostalCityID -> CityID)

**Purchasing.Suppliers** (DeliveryCityID -> CityID)

**Purchasing.Suppliers** (PostalCityID -> CityID)

**Sales.Customers** (DeliveryCityID -> CityID)

**Sales.Customers** (PostalCityID -> CityID)

### Used by:

**Function Application.DetermineCustomerAccess**

CityID  
StateProvinceID

**Procedure Integration.GetCityUpdates**

CityID  
ValidFrom

**Procedure Website.SearchForCustomers**

CityID  
CityName

**Procedure Website.SearchForSuppliers**

CityID  
CityName

**View Website.Customers**

CityID  
CityName

**View Website.Suppliers**

CityID  
CityName

**Table Application.Cities\_Archive** (28 rows)

	Column	Data Type	Identity	Nullable	Default
	CityID	int			
	CityName	nvarchar(50)			
	StateProvinceID	int			
	Location	geography		X	
	LatestRecordedPopulation	bigint		X	
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_Cities\_Archive** (Clustered) (33.33% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetCityUpdates**

CityID  
ValidFrom



## Table Application.Countries (190 rows)

Countries that contain the states or provinces (including geographic boundaries)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	CountryID	int			NEXT VALUE FOR [Sequences].[CountryID]
<i>Numeric ID used for reference to a country within the database</i>					
<b>UK</b>	CountryName	nvarchar(60)			
<i>Name of the country</i>					
<b>UK</b>	FormalName	nvarchar(60)			
<i>Full formal name of the country as agreed by United Nations</i>					
	IsoAlpha3Code	nvarchar(3)		X	
<i>3 letter alphabetic code assigned to the country by ISO</i>					
	IsoNumericCode	int		X	
<i>Numeric code assigned to the country by ISO</i>					
	CountryType	nvarchar(20)		X	
<i>Type of country or administrative region</i>					
	LatestRecordedPopulation	bigint		X	
<i>Latest available population for the country</i>					
	Continent	nvarchar(30)			
<i>Name of the continent</i>					
	Region	nvarchar(30)			
<i>Name of the region</i>					
	Subregion	nvarchar(30)			
<i>Name of the subregion</i>					
	Border	geography		X	
<i>Geographic border of the country as described by the United Nations</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Application\_Countries** (Primary Key) (Clustered) (0.53% Selectivity)

CountryID

**UQ\_Application\_Countries\_CountryName** (Unique) (0.53% Selectivity)

CountryName

**UQ\_Application\_Countries\_FormalName** (Unique) (0.53% Selectivity)

FormalName

### References:

**Application.People** (LastEditedBy -> PersonID)

### Referenced by:

**Application.StateProvinces** (CountryID)

### Used by:

**Procedure Integration.GetCityUpdates**

CountryID  
ValidFrom

**Table Application.Countries\_Archive** (36 rows)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	CountryID	int			
	CountryName	nvarchar(60)			
	FormalName	nvarchar(60)			
	IsoAlpha3Code	nvarchar(3)		X	
	IsoNumericCode	int		X	
	CountryType	nvarchar(20)		X	
	LatestRecordedPopulation	bigint		X	
	Continent	nvarchar(30)			
	Region	nvarchar(30)			
	Subregion	nvarchar(30)			
	Border	geography		X	
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_Countries\_Archive** (Clustered) (25% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetCityUpdates**

CountryID  
ValidFrom

## **Table Application.DeliveryMethods** (10 rows)

Ways that stock items can be delivered (ie: truck/van, post, pickup, courier, etc.)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	DeliveryMethodID	int			NEXT VALUE FOR [Sequences].[DeliveryMethodID]
<i>Numeric ID used for reference to a delivery method within the database</i>					
<b>UK</b>	DeliveryMethodName	nvarchar(50)			
<i>Full name of methods that can be used for delivery of customer orders</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### **Indexes:**

**PK\_Application\_DeliveryMethods** (Primary Key) (Clustered) (10% Selectivity)

DeliveryMethodID

**UQ\_Application\_DeliveryMethods\_DeliveryMethodName** (Unique) (10% Selectivity)

DeliveryMethodName

### **References:**

**Application.People** (LastEditedBy -> PersonID)

### **Referenced by:**

**Purchasing.PurchaseOrders** (DeliveryMethodID)

**Purchasing.Suppliers** (DeliveryMethodID)

**Sales.Customers** (DeliveryMethodID)

**Sales.Invoices** (DeliveryMethodID)

### **Used by:**

**View Website.Customers**

DeliveryMethodID  
DeliveryMethodName

**View Website.Suppliers**

DeliveryMethodID  
DeliveryMethodName

**Table Application.DeliveryMethods\_Archive** (1 row)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	DeliveryMethodID	int			
	DeliveryMethodName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_DeliveryMethods\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

## **Table Application.PaymentMethods (4 rows)**

Ways that payments can be made (ie: cash, check, EFT, etc).

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	PaymentMethodID	int			NEXT VALUE FOR [Sequences].[PaymentMethodID]
<i>Numeric ID used for reference to a payment type within the database</i>					
<b>UK</b>	PaymentMethodName	nvarchar(50)			
<i>Full name of ways that customers can make payments or that suppliers can be paid</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### **Indexes:**

**PK\_Application\_PaymentMethods** (Primary Key) (Clustered) (25% Selectivity)

PaymentMethodID

**UQ\_Application\_PaymentMethods\_PaymentMethodName** (Unique) (25% Selectivity)

PaymentMethodName

### **References:**

**Application.People** (LastEditedBy -> PersonID)

### **Referenced by:**

**Purchasing.SupplierTransactions** (PaymentMethodID)

**Sales.CustomerTransactions** (PaymentMethodID)

### **Used by:**

**Procedure Integration.GetPaymentMethodUpdates**

PaymentMethodID  
ValidFrom

**Table Application.PaymentMethods\_Archive** (1 row)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	PaymentMethodID	int			
	PaymentMethodName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_PaymentMethods\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetPaymentMethodUpdates**

PaymentMethodID  
ValidFrom

## Table Application.People (1,111 rows)

People known to the application (staff, customer contacts, supplier contacts)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	PersonID	int			NEXT VALUE FOR [Sequences].[PersonID]
	<i>Numeric ID used for reference to a person within the database</i>				
	FullName	nvarchar(50)			
	<i>Full name for this person</i>				
	PreferredName	nvarchar(50)			
	<i>Name that this person prefers to be called</i>				
	SearchName	nvarchar(101)			
	<i>Name to build full text search on (computed column)</i>				
	IsPermittedToLogon	bit			
	<i>Is this person permitted to log on?</i>				
	LogonName	nvarchar(50)		X	
	<i>Person's system logon name</i>				
	IsExternalLogonProvider	bit			
	<i>Is logon token provided by an external system?</i>				
	HashedPassword	varbinary(max)		X	
	<i>Hash of password for users without external logon tokens</i>				
	IsSystemUser	bit			
	<i>Is the currently permitted to make online access?</i>				
	IsEmployee	bit			
	<i>Is this person an employee?</i>				
	IsSalesperson	bit			
	<i>Is this person a staff salesperson?</i>				
	UserPreferences	nvarchar(max)		X	
	<i>User preferences related to the website (holds JSON data)</i>				
	PhoneNumber	nvarchar(20)		X	
	<i>Phone number</i>				
	FaxNumber	nvarchar(20)		X	
	<i>Fax number</i>				
	EmailAddress	nvarchar(256)		X	
	<i>Email address for this person</i>				
	Photo	varbinary(max)		X	
	<i>Photo of this person</i>				
	CustomFields	nvarchar(max)		X	
	<i>Custom fields for employees and salespeople</i>				
	OtherLanguages	nvarchar(max)		X	
	<i>Other languages spoken (computed column from custom fields)</i>				
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Application\_People** (Primary Key) (Clustered) (0.09% Selectivity)

PersonID

**IX\_Application\_People\_FullName** (0.09% Selectivity)

*Improves performance of name-related queries*

FullName

**IX\_Application\_People\_IsEmployee** (50% Selectivity)

*Allows quickly locating employees*

IsEmployee

**IX\_Application\_People\_IsSalesperson** (50% Selectivity)

*Allows quickly locating salespeople*

IsSalesperson

**IX\_Application\_People\_Perf\_20160301\_05** (0.09% Selectivity)

*Improves performance of order picking and invoicing*

IsPermittedToLogon

PersonID

EmailAddress (Included)

FullName (Included)

**References:**

**Application.People** (LastEditedBy -> PersonID)

**Referenced by:**

**Application.Cities** (LastEditedBy -> PersonID)

**Application.Countries** (LastEditedBy -> PersonID)

**Application.DeliveryMethods** (LastEditedBy -> PersonID)

**Application.PaymentMethods** (LastEditedBy -> PersonID)

**Application.People** (LastEditedBy -> PersonID)

**Application.StateProvinces** (LastEditedBy -> PersonID)

**Application.SystemParameters** (LastEditedBy -> PersonID)

**Application.TransactionTypes** (LastEditedBy -> PersonID)

**Purchasing.PurchaseOrderLines** (LastEditedBy -> PersonID)

**Purchasing.PurchaseOrders** (LastEditedBy -> PersonID)

**Purchasing.PurchaseOrders** (ContactPersonID -> PersonID)

**Purchasing.SupplierCategories** (LastEditedBy -> PersonID)

**Purchasing.Suppliers** (AlternateContactPersonID -> PersonID)

**Purchasing.Suppliers** (LastEditedBy -> PersonID)

**Purchasing.Suppliers** (PrimaryContactPersonID -> PersonID)

**Purchasing.SupplierTransactions** (LastEditedBy -> PersonID)

**Sales.BuyingGroups** (LastEditedBy -> PersonID)

**Sales.CustomerCategories** (LastEditedBy -> PersonID)

**Sales.Customers** (AlternateContactPersonID -> PersonID)

**Sales.Customers** (LastEditedBy -> PersonID)

**Sales.Customers** (PrimaryContactPersonID -> PersonID)

**Sales.CustomerTransactions** (LastEditedBy -> PersonID)

**Sales.InvoiceLines** (LastEditedBy -> PersonID)

**Sales.Invoices** (AccountsPersonID -> PersonID)

**Sales.Invoices** (LastEditedBy -> PersonID)



**Sales.Invoices** (*ContactPersonID -> PersonID*)  
**Sales.Invoices** (*PackedByPersonID -> PersonID*)  
**Sales.Invoices** (*SalespersonPersonID -> PersonID*)  
**Sales.OrderLines** (*LastEditedBy -> PersonID*)  
**Sales.Orders** (*LastEditedBy -> PersonID*)  
**Sales.Orders** (*ContactPersonID -> PersonID*)  
**Sales.Orders** (*PickedByPersonID -> PersonID*)  
**Sales.Orders** (*SalespersonPersonID -> PersonID*)  
**Sales.SpecialDeals** (*LastEditedBy -> PersonID*)  
**Warehouse.Colors** (*LastEditedBy -> PersonID*)  
**Warehouse.PackageTypes** (*LastEditedBy -> PersonID*)  
**Warehouse.StockGroups** (*LastEditedBy -> PersonID*)  
**Warehouse.StockItemHoldings** (*LastEditedBy -> PersonID*)  
**Warehouse.StockItems** (*LastEditedBy -> PersonID*)  
**Warehouse.StockItemStockGroups** (*LastEditedBy -> PersonID*)  
**Warehouse.StockItemTransactions** (*LastEditedBy -> PersonID*)

**Used by:**

**Procedure Integration.GetEmployeeUpdates**

IsEmployee  
PersonID  
ValidFrom

**Procedure Website.ActivateWebsiteLogon**

FullName  
HashedPassword  
IsPermittedToLogon  
LogonName  
PersonID  
UserPreferences

**Procedure Website.ChangePassword**

FullName  
HashedPassword  
IsPermittedToLogon  
PersonID

**Procedure Website.SearchForCustomers**

FullName  
PersonID  
PreferredName

**Procedure Website.SearchForPeople**

FullName  
IsEmployee  
IsSalesperson  
PersonID  
PreferredName  
SearchName

**Procedure Website.SearchForSuppliers**

FullName  
PersonID  
PreferredName

**View Website.Customers**

FullName  
PersonID

**View Website.Suppliers**

FullName  
PersonID

**Table Application.People\_Archive** (2,072 rows)

	Column	Data Type	Identity	Nullable	Default
	PersonID	int			
	FullName	nvarchar(50)			
	PreferredName	nvarchar(50)			
	SearchName	nvarchar(101)			
	IsPermittedToLogon	bit			
	LogonName	nvarchar(50)		X	
	IsExternalLogonProvider	bit			
	HashedPassword	varbinary(max)		X	
	IsSystemUser	bit			
	IsEmployee	bit			
	IsSalesperson	bit			
	UserPreferences	nvarchar(max)		X	
	PhoneNumber	nvarchar(20)		X	
	FaxNumber	nvarchar(20)		X	
	EmailAddress	nvarchar(256)		X	
	Photo	varbinary(max)		X	
	CustomFields	nvarchar(max)		X	
	OtherLanguages	nvarchar(max)		X	
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_People\_Archive** (Clustered) (0.1% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetEmployeeUpdates**

IsEmployee  
PersonID  
ValidFrom

## Table **Application.StateProvinces** (53 rows)

States or provinces that contain cities (including geographic location)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	StateProvinceID	int			NEXT VALUE FOR [Sequences].[StateProvinceID]
<i>Numeric ID used for reference to a state or province within the database</i>					
	StateProvinceCode	nvarchar(5)			
<i>Common code for this state or province (such as WA - Washington for the USA)</i>					
<b>UK</b>	StateProvinceName	nvarchar(50)			
<i>Formal name of the state or province</i>					
<b>FK</b>	CountryID	int			
<i>Country for this StateProvince</i>					
	SalesTerritory	nvarchar(50)			
<i>Sales territory for this StateProvince</i>					
	Border	geography		X	
<i>Geographic boundary of the state or province</i>					
	LatestRecordedPopulation	bigint		X	
<i>Latest available population for the StateProvince</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Application\_StateProvinces** (Primary Key) (Clustered) (1.89% Selectivity)

StateProvinceID

**UQ\_Application\_StateProvinces\_StateProvinceName** (Unique) (1.89% Selectivity)

StateProvinceName

**FK\_Application\_StateProvinces\_CountryID** (100% Selectivity)

*Auto-created to support a foreign key*

CountryID

**IX\_Application\_StateProvinces\_SalesTerritory** (11.11% Selectivity)

*Index used to quickly locate sales territories*

SalesTerritory

### References:

**Application.Countries** (CountryID)

**Application.People** (LastEditedBy -> PersonID)

### Referenced by:

**Application.Cities** (StateProvinceID)

### Used by:

**Function Application.DetermineCustomerAccess**

SalesTerritory  
StateProvinceID

**Procedure Integration.GetCityUpdates**

StateProvinceID

ValidFrom

**Table Application.StateProvinces\_Archive** (104 rows)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	StateProvinceID	int			
	StateProvinceCode	nvarchar(5)			
	StateProvinceName	nvarchar(50)			
	CountryID	int			
	SalesTerritory	nvarchar(50)			
	Border	geography		X	
	LatestRecordedPopulation	bigint		X	
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_StateProvinces\_Archive** (Clustered) (4.55% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetCityUpdates**

StateProvinceID  
ValidFrom

## Table Application.SystemParameters (1 row)

Any configurable parameters for the whole system

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	SystemParameterID	int			NEXT VALUE FOR [Sequences].[SystemParameterID]
<i>Numeric ID used for row holding system parameters</i>					
	DeliveryAddressLine1	nvarchar(60)			
<i>First address line for the company</i>					
	DeliveryAddressLine2	nvarchar(60)		X	
<i>Second address line for the company</i>					
<b>FK</b>	DeliveryCityID	int			
<i>ID of the city for this address</i>					
	DeliveryPostalCode	nvarchar(10)			
<i>Postal code for the company</i>					
	DeliveryLocation	geography			
<i>Geographic location for the company office</i>					
	PostalAddressLine1	nvarchar(60)			
<i>First postal address line for the company</i>					
	PostalAddressLine2	nvarchar(60)		X	
<i>Second postaladdress line for the company</i>					
<b>FK</b>	PostalCityID	int			
<i>ID of the city for this postaladdress</i>					
	PostalPostalCode	nvarchar(10)			
<i>Postal code for the company when sending via mail</i>					
	ApplicationSettings	nvarchar(max)			
<i>JSON-structured application settings</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

### Indexes:

**PK\_Application\_SystemParameters** (Primary Key) (Clustered) (100% Selectivity)

SystemParameterID

**FK\_Application\_SystemParameters\_DeliveryCityID** (100% Selectivity)

Auto-created to support a foreign key

DeliveryCityID

**FK\_Application\_SystemParameters\_PostalCityID** (100% Selectivity)

Auto-created to support a foreign key

PostalCityID

### References:

**Application.Cities** (DeliveryCityID -> CityID)

**Application.Cities** (PostalCityID -> CityID)

**Application.People** (LastEditedBy -> PersonID)

## Table **Application.TransactionTypes** (13 rows)

Types of customer, supplier, or stock transactions (ie: invoice, credit note, etc.)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	TransactionTypeID	int			NEXT VALUE FOR [Sequences].[TransactionTypeID]
<i>Numeric ID used for reference to a transaction type within the database</i>					
<b>UK</b>	TransactionTypeName	nvarchar(50)			
<i>Full name of the transaction type</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Application\_TransactionTypes** (Primary Key) (Clustered) (7.69% Selectivity)

TransactionTypeID

**UQ\_Application\_TransactionTypes\_TransactionTypeName** (Unique) (7.69% Selectivity)

TransactionTypeName

### References:

**Application.People** (LastEditedBy -> PersonID)

### Referenced by:

**Purchasing.SupplierTransactions** (TransactionTypeID)

**Sales.CustomerTransactions** (TransactionTypeID)

**Warehouse.StockItemTransactions** (TransactionTypeID)

### Used by:

**Procedure Integration.GetTransactionTypeUpdates**

TransactionTypeID  
ValidFrom

**Procedure Website.InvoiceCustomerOrders**

TransactionTypeID  
TransactionTypeName



**Table Application.TransactionTypes\_Archive** (1 row)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	TransactionTypeID	int			
	TransactionTypeName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_TransactionTypes\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetTransactionTypeUpdates**

TransactionTypeID  
ValidFrom

**Table Purchasing.PurchaseOrderLines** (8,367 rows)

*Detail lines from supplier purchase orders*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	PurchaseOrderLineID	int			NEXT VALUE FOR [Sequences].[PurchaseOrderLineID]
	<i>Numeric ID used for reference to a line on a purchase order within the database</i>				
<b>FK</b>	PurchaseOrderID	int			
	<i>Purchase order that this line is associated with</i>				
<b>FK</b>	StockItemID	int			
	<i>Stock item for this purchase order line</i>				
	OrderedOuters	int			
	<i>Quantity of the stock item that is ordered</i>				
	Description	nvarchar(100)			
	<i>Description of the item to be supplied (Often the stock item name but could be supplier description)</i>				
	ReceivedOuters	int			
	<i>Total quantity of the stock item that has been received so far</i>				
<b>FK</b>	PackageTypeID	int			
	<i>Type of package received</i>				
	ExpectedUnitPricePerOuter	decimal(18,2)		X	
	<i>The unit price that we expect to be charged</i>				
	LastReceiptDate	date		X	
	<i>The last date on which this stock item was received for this purchase order</i>				
	IsOrderLineFinalized	bit			
	<i>Is this purchase order line now considered finalized? (Received quantities and weights are often not precise)</i>				
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Purchasing\_PurchaseOrderLines** (Primary Key) (Clustered) (0.01% Selectivity)

PurchaseOrderLineID

**FK\_Purchasing\_PurchaseOrderLines\_PackageTypeID** (33.33% Selectivity)

*Auto-created to support a foreign key*

PackageTypeID

**FK\_Purchasing\_PurchaseOrderLines\_PurchaseOrderID** (0.05% Selectivity)

*Auto-created to support a foreign key*

PurchaseOrderID

**FK\_Purchasing\_PurchaseOrderLines\_StockItemID** (0.44% Selectivity)

*Auto-created to support a foreign key*

StockItemID

**IX\_Purchasing\_PurchaseOrderLines\_Perf\_20160301\_4** (0.42% Selectivity)

*Improves performance of order picking and invoicing*

IsOrderLineFinalized  
 StockItemID  
 OrderedOuters (Included)  
 ReceivedOuters (Included)

**References:**

**Application.People** (LastEditedBy -> PersonID)

**Purchasing.PurchaseOrders** (PurchaseOrderID)

**Warehouse.PackageTypes** (*PackageTypeID*)

**Warehouse.StockItems** (*StockItemID*)

**Used by:**

**Procedure Integration.GetPurchaseUpdates**

IsOrderLineFinalized  
LastEditedWhen  
OrderedOuters  
PackageTypeID  
PurchaseOrderID  
ReceivedOuters  
StockItemID

## Table **Purchasing.PurchaseOrders** (2,074 rows)

Details of supplier purchase orders

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	PurchaseOrderID	int			NEXT VALUE FOR [Sequences].[PurchaseOrderID]
<i>Numeric ID used for reference to a purchase order within the database</i>					
<b>FK</b>	SupplierID	int			
<i>Supplier for this purchase order</i>					
	OrderDate	date			
<i>Date that this purchase order was raised</i>					
<b>FK</b>	DeliveryMethodID	int			
<i>How this purchase order should be delivered</i>					
<b>FK</b>	ContactPersonID	int			
<i>The person who is the primary contact for this purchase order</i>					
	ExpectedDeliveryDate	date		X	
<i>Expected delivery date for this purchase order</i>					
	SupplierReference	nvarchar(20)		X	
<i>Supplier reference for our organization (might be our account number at the supplier)</i>					
	IsOrderFinalized	bit			
<i>Is this purchase order now considered finalized?</i>					
	Comments	nvarchar(max)		X	
<i>Any comments related this purchase order (comments sent to the supplier)</i>					
	InternalComments	nvarchar(max)		X	
<i>Any internal comments related this purchase order (comments for internal reference only and not sent to the supplier)</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

### Indexes:

**PK\_Purchasing\_PurchaseOrders** (Primary Key) (Clustered) (0.05% Selectivity)

PurchaseOrderID

**FK\_Purchasing\_PurchaseOrders\_ContactPersonID** (100% Selectivity)

Auto-created to support a foreign key

ContactPersonID

**FK\_Purchasing\_PurchaseOrders\_DeliveryMethodID** (20% Selectivity)

Auto-created to support a foreign key

DeliveryMethodID

**FK\_Purchasing\_PurchaseOrders\_SupplierID** (14.29% Selectivity)

Auto-created to support a foreign key

SupplierID

### References:

**Application.DeliveryMethods** (DeliveryMethodID)

**Application.People** (LastEditedBy -> PersonID)

**Application.People** (ContactPersonID -> PersonID)

**Purchasing.Suppliers** (SupplierID)

### Referenced by:

**Purchasing.PurchaseOrderLines** (PurchaseOrderID)

**Purchasing.SupplierTransactions** (*PurchaseOrderID*)

**Warehouse.StockItemTransactions** (*PurchaseOrderID*)

**Used by:**

**Procedure Integration.GetPurchaseUpdates**

LastEditedWhen  
OrderDate  
PurchaseOrderID  
SupplierID

## **Table Purchasing.SupplierCategories** (9 rows)

*Categories for suppliers (ie novelties, toys, clothing, packaging, etc.)*

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
<b>PK</b>	SupplierCategoryID	int			NEXT VALUE FOR [Sequences].[SupplierCategoryID]
<i>Numeric ID used for reference to a supplier category within the database</i>					
<b>UK</b>	SupplierCategoryName	nvarchar(50)			
<i>Full name of the category that suppliers can be assigned to</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### **Indexes:**

**PK\_Purchasing\_SupplierCategories** (Primary Key) (Clustered) (11.11% Selectivity)

SupplierCategoryID

**UQ\_Purchasing\_SupplierCategories\_SupplierCategoryName** (Unique) (11.11% Selectivity)

SupplierCategoryName

### **References:**

**Application.People** (LastEditedBy -> PersonID)

### **Referenced by:**

**Purchasing.Suppliers** (SupplierCategoryID)

### **Used by:**

**Procedure Integration.GetSupplierUpdates**

SupplierCategoryID  
ValidFrom

**View Website.Suppliers**

SupplierCategoryID  
SupplierCategoryName

**Table Purchasing.SupplierCategories\_Archive** (1 row)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	SupplierCategoryID	int			
	SupplierCategoryName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_SupplierCategories\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetSupplierUpdates**

SupplierCategoryID  
ValidFrom

**Table Purchasing.Suppliers** (13 rows)

Main entity table for suppliers (organizations)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	SupplierID	int			NEXT VALUE FOR [Sequences].[SupplierID]
	<i>Numeric ID used for reference to a supplier within the database</i>				
<b>UK</b>	SupplierName	nvarchar(100)			
	<i>Supplier's full name (usually a trading name)</i>				
<b>FK</b>	SupplierCategoryID	int			
	<i>Supplier's category</i>				
<b>FK</b>	PrimaryContactPersonID	int			
	<i>Primary contact</i>				
<b>FK</b>	AlternateContactPersonID	int			
	<i>Alternate contact</i>				
<b>FK</b>	DeliveryMethodID	int		X	
	<i>Standard delivery method for stock items received from this supplier</i>				
<b>FK</b>	DeliveryCityID	int			
	<i>ID of the delivery city for this address</i>				
<b>FK</b>	PostalCityID	int			
	<i>ID of the mailing city for this address</i>				
	SupplierReference	nvarchar(20)		X	
	<i>Supplier reference for our organization (might be our account number at the supplier)</i>				
	BankAccountName	nvarchar(50)		X	
	<i>Supplier's bank account name (ie name on the account)</i>				
	BankAccountBranch	nvarchar(50)		X	
	<i>Supplier's bank branch</i>				
	BankAccountCode	nvarchar(20)		X	
	<i>Supplier's bank account code (usually a numeric reference for the bank branch)</i>				
	BankAccountNumber	nvarchar(20)		X	
	<i>Supplier's bank account number</i>				
	BankInternationalCode	nvarchar(20)		X	
	<i>Supplier's bank's international code (such as a SWIFT code)</i>				
	PaymentDays	int			
	<i>Number of days for payment of an invoice (ie payment terms)</i>				
	InternalComments	nvarchar(max)		X	
	<i>Internal comments (not exposed outside organization)</i>				
	PhoneNumber	nvarchar(20)			
	<i>Phone number</i>				
	FaxNumber	nvarchar(20)			
	<i>Fax number</i>				
	WebsiteURL	nvarchar(256)			
	<i>URL for the website for this supplier</i>				
	DeliveryAddressLine1	nvarchar(60)			
	<i>First delivery address line for the supplier</i>				
	DeliveryAddressLine2	nvarchar(60)		X	
	<i>Second delivery address line for the supplier</i>				
	DeliveryPostalCode	nvarchar(10)			
	<i>Delivery postal code for the supplier</i>				
	DeliveryLocation	geography		X	
	<i>Geographic location for the supplier's office/warehouse</i>				
	PostalAddressLine1	nvarchar(60)			
	<i>First postal address line for the supplier</i>				
	PostalAddressLine2	nvarchar(60)		X	
	<i>Second postal address line for the supplier</i>				
	PostalPostalCode	nvarchar(10)			
	<i>Postal code for the supplier when sending by mail</i>				
<b>FK</b>	LastEditedBy	int			



	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**PK\_Purchasing\_Suppliers** (Primary Key) (Clustered) (7.69% Selectivity)

SupplierID

**UQ\_Purchasing\_Suppliers\_SupplierName** (Unique) (7.69% Selectivity)

SupplierName

**FK\_Purchasing\_Suppliers\_AlternateContactPersonID** (7.69% Selectivity)

Auto-created to support a foreign key

AlternateContactPersonID

**FK\_Purchasing\_Suppliers\_DeliveryCityID** (8.33% Selectivity)

Auto-created to support a foreign key

DeliveryCityID

**FK\_Purchasing\_Suppliers\_DeliveryMethodID** (16.67% Selectivity)

Auto-created to support a foreign key

DeliveryMethodID

**FK\_Purchasing\_Suppliers\_PostalCityID** (8.33% Selectivity)

Auto-created to support a foreign key

PostalCityID

**FK\_Purchasing\_Suppliers\_PrimaryContactPersonID** (7.69% Selectivity)

Auto-created to support a foreign key

PrimaryContactPersonID

**FK\_Purchasing\_Suppliers\_SupplierCategoryID** (12.5% Selectivity)

Auto-created to support a foreign key

SupplierCategoryID

**References:**

**Application.Cities** (DeliveryCityID -> CityID)

**Application.Cities** (PostalCityID -> CityID)

**Application.DeliveryMethods** (DeliveryMethodID)

**Application.People** (AlternateContactPersonID -> PersonID)

**Application.People** (LastEditedBy -> PersonID)

**Application.People** (PrimaryContactPersonID -> PersonID)

**Purchasing.SupplierCategories** (SupplierCategoryID)

**Referenced by:**

**Purchasing.PurchaseOrders** (SupplierID)

**Purchasing.SupplierTransactions** (SupplierID)

**Warehouse.StockItems** (SupplierID)

**Warehouse.StockItemTransactions** (*SupplierID*)

**Used by:**

**Procedure Integration.GetSupplierUpdates**

SupplierID  
ValidFrom

**Procedure Website.SearchForPeople**

AlternateContactPersonID  
PrimaryContactPersonID  
SupplierID  
SupplierName

**Procedure Website.SearchForSuppliers**

DeliveryCityID  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID  
SupplierID  
SupplierName

**View Website.Suppliers**

AlternateContactPersonID  
DeliveryCityID  
DeliveryLocation  
DeliveryMethodID  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID  
SupplierCategoryID  
SupplierID  
SupplierName  
SupplierReference  
WebsiteURL

**Table Purchasing.Suppliers\_Archive** (13 rows)

	Column	Data Type	Identity	Nullable	Default
	SupplierID	int			
	SupplierName	nvarchar(100)			
	SupplierCategoryID	int			
	PrimaryContactPersonID	int			
	AlternateContactPersonID	int			
	DeliveryMethodID	int		X	
	DeliveryCityID	int			
	PostalCityID	int			
	SupplierReference	nvarchar(20)		X	
	BankAccountName	nvarchar(50)		X	
	BankAccountBranch	nvarchar(50)		X	
	BankAccountCode	nvarchar(20)		X	
	BankAccountNumber	nvarchar(20)		X	
	BankInternationalCode	nvarchar(20)		X	
	PaymentDays	int			
	InternalComments	nvarchar(max)		X	
	PhoneNumber	nvarchar(20)			
	FaxNumber	nvarchar(20)			
	WebsiteURL	nvarchar(256)			
	DeliveryAddressLine1	nvarchar(60)			
	DeliveryAddressLine2	nvarchar(60)		X	
	DeliveryPostalCode	nvarchar(10)			
	DeliveryLocation	geography		X	
	PostalAddressLine1	nvarchar(60)			
	PostalAddressLine2	nvarchar(60)		X	
	PostalPostalCode	nvarchar(10)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_Suppliers\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetSupplierUpdates**

SupplierID  
ValidFrom

**Table Purchasing.SupplierTransactions** (2,438 rows)

All financial transactions that are supplier-related

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	SupplierTransactionID	int			NEXT VALUE FOR [Sequences].[TransactionID]
<i>Numeric ID used to refer to a supplier transaction within the database</i>					
<b>FK</b>	SupplierID	int			
<i>Supplier for this transaction</i>					
<b>FK</b>	TransactionTypeID	int			
<i>Type of transaction</i>					
<b>FK</b>	PurchaseOrderID	int		X	
<i>ID of an purchase order (for transactions associated with a purchase order)</i>					
<b>FK</b>	PaymentMethodID	int		X	
<i>ID of a payment method (for transactions involving payments)</i>					
	SupplierInvoiceNumber	nvarchar(20)		X	
<i>Invoice number for an invoice received from the supplier</i>					
	TransactionDate	date			
<i>Date for the transaction</i>					
	AmountExcludingTax	decimal(18,2)			
<i>Transaction amount (excluding tax)</i>					
	TaxAmount	decimal(18,2)			
<i>Tax amount calculated</i>					
	TransactionAmount	decimal(18,2)			
<i>Transaction amount (including tax)</i>					
	OutstandingBalance	decimal(18,2)			
<i>Amount still outstanding for this transaction</i>					
	FinalizationDate	date		X	
<i>Date that this transaction was finalized (if it has been)</i>					
	IsFinalized	bit		X	
<i>Is this transaction finalized (invoices, credits and payments have been matched)</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Purchasing\_SupplierTransactions** (Primary Key) (0.04% Selectivity)

SupplierTransactionID

**CX\_Purchasing\_SupplierTransactions** (Clustered) (0.11% Selectivity)

TransactionDate

**FK\_Purchasing\_SupplierTransactions\_PaymentMethodID** (0.11% Selectivity)

*Auto-created to support a foreign key*

TransactionDate  
PaymentMethodID

**FK\_Purchasing\_SupplierTransactions\_PurchaseOrderID** (0.04% Selectivity)

*Auto-created to support a foreign key*

TransactionDate  
PurchaseOrderID

**FK\_Purchasing\_SupplierTransactions\_SupplierID** (0.06% Selectivity)

*Auto-created to support a foreign key*

TransactionDate

SupplierID

**FK\_Purchasing\_SupplierTransactions\_TransactionTypeID** (0.09% Selectivity)

*Auto-created to support a foreign key*

TransactionDate  
TransactionTypeID

**IX\_Purchasing\_SupplierTransactions\_IsFinalized** (0.11% Selectivity)

*Index used to quickly locate unfinalized transactions*

TransactionDate  
IsFinalized

**References:**

**Application.PaymentMethods** (PaymentMethodID)

**Application.People** (LastEditedBy -> PersonID)

**Application.TransactionTypes** (TransactionTypeID)

**Purchasing.PurchaseOrders** (PurchaseOrderID)

**Purchasing.Suppliers** (SupplierID)

**Used by:**

**Procedure Integration.GetTransactionUpdates**

AmountExcludingTax  
IsFinalized  
LastEditedWhen  
OutstandingBalance  
PaymentMethodID  
PurchaseOrderID  
SupplierID  
SupplierInvoiceNumber  
SupplierTransactionID  
TaxAmount  
TransactionAmount  
TransactionDate  
TransactionTypeID

## **Table Sales.BuyingGroups** (2 rows)

*Customer organizations can be part of groups that exert greater buying power*

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
<b>PK</b>	BuyingGroupID	int			NEXT VALUE FOR [Sequences].[BuyingGroupID]
<i>Numeric ID used for reference to a buying group within the database</i>					
<b>UK</b>	BuyingGroupName	nvarchar(50)			
<i>Full name of a buying group that customers can be members of</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### **Indexes:**

**PK\_Sales\_BuyingGroups** (Primary Key) (Clustered) (50% Selectivity)

BuyingGroupID

**UQ\_Sales\_BuyingGroups\_BuyingGroupName** (Unique) (50% Selectivity)

BuyingGroupName

### **References:**

**Application.People** (LastEditedBy -> PersonID)

### **Referenced by:**

**Sales.Customers** (BuyingGroupID)

**Sales.SpecialDeals** (BuyingGroupID)

### **Used by:**

**Procedure Integration.GetCustomerUpdates**

BuyingGroupID  
ValidFrom

**View Website.Customers**

BuyingGroupID  
BuyingGroupName

**Table Sales.BuyingGroups\_Archive** (0 rows)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	BuyingGroupID	int			
	BuyingGroupName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_BuyingGroups\_Archive** (Clustered)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetCustomerUpdates**

BuyingGroupID  
ValidFrom

## **Table Sales.CustomerCategories** (8 rows)

Categories for customers (ie restaurants, cafes, supermarkets, etc.)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	CustomerCategoryID	int			NEXT VALUE FOR [Sequences].[CustomerCategoryID]
<i>Numeric ID used for reference to a customer category within the database</i>					
<b>UK</b>	CustomerCategoryName	nvarchar(50)			
<i>Full name of the category that customers can be assigned to</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### **Indexes:**

**PK\_Sales\_CustomerCategories** (Primary Key) (Clustered) (12.5% Selectivity)

CustomerCategoryID

**UQ\_Sales\_CustomerCategories\_CustomerCategoryName** (Unique) (12.5% Selectivity)

CustomerCategoryName

### **References:**

**Application.People** (LastEditedBy -> PersonID)

### **Referenced by:**

**Sales.Customers** (CustomerCategoryID)

**Sales.SpecialDeals** (CustomerCategoryID)

### **Used by:**

**Procedure Integration.GetCustomerUpdates**

CustomerCategoryID  
ValidFrom

**View Website.Customers**

CustomerCategoryID  
CustomerCategoryName



**Table Sales.CustomerCategories\_Archive** (1 row)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	CustomerCategoryID	int			
	CustomerCategoryName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_CustomerCategories\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetCustomerUpdates**

CustomerCategoryID  
ValidFrom

## Table Sales.Customers (663 rows)

Main entity tables for customers (organizations or individuals)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	CustomerID	int			NEXT VALUE FOR [Sequences].[CustomerID]
	<i>Numeric ID used for reference to a customer within the database</i>				
<b>UK</b>	CustomerName	nvarchar(100)			
	<i>Customer's full name (usually a trading name)</i>				
<b>FK</b>	BillToCustomerID	int			
	<i>Customer that this is billed to (usually the same customer but can be another parent company)</i>				
<b>FK</b>	CustomerCategoryID	int			
	<i>Customer's category</i>				
<b>FK</b>	BuyingGroupID	int		X	
	<i>Customer's buying group (optional)</i>				
<b>FK</b>	PrimaryContactPersonID	int			
	<i>Primary contact</i>				
<b>FK</b>	AlternateContactPersonID	int		X	
	<i>Alternate contact</i>				
<b>FK</b>	DeliveryMethodID	int			
	<i>Standard delivery method for stock items sent to this customer</i>				
<b>FK</b>	DeliveryCityID	int			
	<i>ID of the delivery city for this address</i>				
<b>FK</b>	PostalCityID	int			
	<i>ID of the postal city for this address</i>				
	CreditLimit	decimal(18,2)		X	
	<i>Credit limit for this customer (NULL if unlimited)</i>				
	AccountOpenedDate	date			
	<i>Date this customer account was opened</i>				
	StandardDiscountPercentage	decimal(18,3)			
	<i>Standard discount offered to this customer</i>				
	IsStatementSent	bit			
	<i>Is a statement sent to this customer? (Or do they just pay on each invoice?)</i>				
	IsOnCreditHold	bit			
	<i>Is this customer on credit hold? (Prevents further deliveries to this customer)</i>				
	PaymentDays	int			
	<i>Number of days for payment of an invoice (ie payment terms)</i>				
	PhoneNumber	nvarchar(20)			
	<i>Phone number</i>				
	FaxNumber	nvarchar(20)			
	<i>Fax number</i>				
	DeliveryRun	nvarchar(5)		X	
	<i>Normal delivery run for this customer</i>				
	RunPosition	nvarchar(5)		X	
	<i>Normal position in the delivery run for this customer</i>				
	WebsiteURL	nvarchar(256)			
	<i>URL for the website for this customer</i>				
	DeliveryAddressLine1	nvarchar(60)			
	<i>First delivery address line for the customer</i>				
	DeliveryAddressLine2	nvarchar(60)		X	
	<i>Second delivery address line for the customer</i>				
	DeliveryPostalCode	nvarchar(10)			
	<i>Delivery postal code for the customer</i>				
	DeliveryLocation	geography		X	
	<i>Geographic location for the customer's office/warehouse</i>				
	PostalAddressLine1	nvarchar(60)			
	<i>First postal address line for the customer</i>				
	PostalAddressLine2	nvarchar(60)		X	

Second postal address line for the customer				
	PostalPostalCode	nvarchar(10)		
Postal code for the customer when sending by mail				
<b>FK</b>	LastEditedBy	int		
	ValidFrom	datetime2		
	ValidTo	datetime2		

## Indexes:

**PK\_Sales\_Customers** (Primary Key) (Clustered) (0.15% Selectivity)

CustomerID

**UQ\_Sales\_Customers\_CustomerName** (Unique) (0.15% Selectivity)

CustomerName

**FK\_Sales\_Customers\_AlternateContactPersonID** (0.25% Selectivity)

*Auto-created to support a foreign key*

AlternateContactPersonID

**FK\_Sales\_Customers\_BuyingGroupID** (33.33% Selectivity)

*Auto-created to support a foreign key*

BuyingGroupID

**FK\_Sales\_Customers\_CustomerCategoryID** (20% Selectivity)

*Auto-created to support a foreign key*

CustomerCategoryID

**FK\_Sales\_Customers\_DeliveryCityID** (0.15% Selectivity)

*Auto-created to support a foreign key*

DeliveryCityID

**FK\_Sales\_Customers\_DeliveryMethodID** (100% Selectivity)

*Auto-created to support a foreign key*

DeliveryMethodID

**FK\_Sales\_Customers\_PostalCityID** (0.15% Selectivity)

*Auto-created to support a foreign key*

PostalCityID

**FK\_Sales\_Customers\_PrimaryContactPersonID** (0.15% Selectivity)

*Auto-created to support a foreign key*

PrimaryContactPersonID

**IX\_Sales\_Customers\_Perf\_20160301\_06** (0.15% Selectivity)

*Improves performance of order picking and invoicing*

IsOnCreditHold

CustomerID

BillToCustomerID

PrimaryContactPersonID (Included)

## References:

**Application.Cities** (DeliveryCityID -> CityID)

**Application.Cities** (*PostalCityID -> CityID*)  
**Application.DeliveryMethods** (*DeliveryMethodID*)  
**Application.People** (*AlternateContactPersonID -> PersonID*)  
**Application.People** (*LastEditedBy -> PersonID*)  
**Application.People** (*PrimaryContactPersonID -> PersonID*)  
**Sales.BuyingGroups** (*BuyingGroupID*)  
**Sales.CustomerCategories** (*CustomerCategoryID*)  
**Sales.Customers** (*BillToCustomerID -> CustomerID*)

**Referenced by:**

**Sales.Customers** (*BillToCustomerID -> CustomerID*)  
**Sales.CustomerTransactions** (*CustomerID*)  
**Sales.Invoices** (*BillToCustomerID -> CustomerID*)  
**Sales.Invoices** (*CustomerID*)  
**Sales.Orders** (*CustomerID*)  
**Sales.SpecialDeals** (*CustomerID*)  
**Warehouse.StockItemTransactions** (*CustomerID*)

**Used by:**

**Function Website.CalculateCustomerPrice**

BuyingGroupID  
CustomerCategoryID  
CustomerID

**Policy Application.FilterCustomersBySalesTerritoryRole**

DeliveryCityID

**Procedure Integration.GetCustomerUpdates**

CustomerID  
ValidFrom

**Procedure Integration.GetOrderUpdates**

CustomerID  
DeliveryCityID

**Procedure Integration.GetSaleUpdates**

CustomerID  
DeliveryCityID

**Procedure Website.InvoiceCustomerOrders**

BillToCustomerID  
CustomerID  
DeliveryAddressLine1  
DeliveryAddressLine2  
DeliveryMethodID  
DeliveryRun  
PrimaryContactPersonID  
RunPosition

**Procedure Website.SearchForCustomers**

CustomerID  
CustomerName  
DeliveryCityID  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID

**Procedure Website.SearchForPeople**

CustomerID  
CustomerName  
PrimaryContactPersonID

**View Website.Customers**

AlternateContactPersonID  
BuyingGroupID  
CustomerCategoryID  
CustomerID  
CustomerName  
DeliveryCityID  
DeliveryLocation  
DeliveryMethodID  
DeliveryRun  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID  
RunPosition  
WebsiteURL

**Table Sales.Customers\_Archive** (51 rows)

	Column	Data Type	Identity	Nullable	Default
	CustomerID	int			
	CustomerName	nvarchar(100)			
	BillToCustomerID	int			
	CustomerCategoryID	int			
	BuyingGroupID	int		X	
	PrimaryContactPersonID	int			
	AlternateContactPersonID	int		X	
	DeliveryMethodID	int			
	DeliveryCityID	int			
	PostalCityID	int			
	CreditLimit	decimal(18,2)		X	
	AccountOpenedDate	date			
	StandardDiscountPercentage	decimal(18,3)			
	IsStatementSent	bit			
	IsOnCreditHold	bit			
	PaymentDays	int			
	PhoneNumber	nvarchar(20)			
	FaxNumber	nvarchar(20)			
	DeliveryRun	nvarchar(5)		X	
	RunPosition	nvarchar(5)		X	
	WebsiteURL	nvarchar(256)			
	DeliveryAddressLine1	nvarchar(60)			
	DeliveryAddressLine2	nvarchar(60)		X	
	DeliveryPostalCode	nvarchar(10)			
	DeliveryLocation	geography		X	
	PostalAddressLine1	nvarchar(60)			
	PostalAddressLine2	nvarchar(60)		X	
	PostalPostalCode	nvarchar(10)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_Customers\_Archive** (Clustered) (7.69% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetCustomerUpdates**

CustomerID  
ValidFrom

## Table Sales.CustomerTransactions (97,147 rows)

All financial transactions that are customer-related

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	CustomerTransactionID	int			NEXT VALUE FOR [Sequences].[TransactionID]
<i>Numeric ID used to refer to a customer transaction within the database</i>					
<b>FK</b>	CustomerID	int			
<i>Customer for this transaction</i>					
<b>FK</b>	TransactionTypeID	int			
<i>Type of transaction</i>					
<b>FK</b>	InvoiceID	int		X	
<i>ID of an invoice (for transactions associated with an invoice)</i>					
<b>FK</b>	PaymentMethodID	int		X	
<i>ID of a payment method (for transactions involving payments)</i>					
	TransactionDate	date			
<i>Date for the transaction</i>					
	AmountExcludingTax	decimal(18,2)			
<i>Transaction amount (excluding tax)</i>					
	TaxAmount	decimal(18,2)			
<i>Tax amount calculated</i>					
	TransactionAmount	decimal(18,2)			
<i>Transaction amount (including tax)</i>					
	OutstandingBalance	decimal(18,2)			
<i>Amount still outstanding for this transaction</i>					
	FinalizationDate	date		X	
<i>Date that this transaction was finalized (if it has been)</i>					
	IsFinalized	bit		X	
<i>Is this transaction finalized (invoices, credits and payments have been matched)</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

### Indexes:

**PK\_Sales\_CustomerTransactions** (Primary Key) (< 0.01% Selectivity)

CustomerTransactionID

**CX\_Sales\_CustomerTransactions** (Clustered) (0.08% Selectivity)

TransactionDate

**FK\_Sales\_CustomerTransactions\_CustomerID** (< 0.01% Selectivity)

*Auto-created to support a foreign key*

TransactionDate

CustomerID

**FK\_Sales\_CustomerTransactions\_InvoiceID** (< 0.01% Selectivity)

*Auto-created to support a foreign key*

TransactionDate

InvoiceID

**FK\_Sales\_CustomerTransactions\_PaymentMethodID** (0.05% Selectivity)

*Auto-created to support a foreign key*

TransactionDate

PaymentMethodID

**FK\_Sales\_CustomerTransactions\_TransactionTypeID** (0.05% Selectivity)

*Auto-created to support a foreign key*

TransactionDate  
TransactionTypeID

**IX\_Sales\_CustomerTransactions\_IsFinalized** (0.08% Selectivity)

*Allows quick location of unfinalized transactions*

TransactionDate  
IsFinalized

**References:**

**Application.PaymentMethods** (PaymentMethodID)

**Application.People** (LastEditedBy -> PersonID)

**Application.TransactionTypes** (TransactionTypeID)

**Sales.Customers** (CustomerID)

**Sales.Invoices** (InvoiceID)

**Used by:**

**Procedure Integration.GetTransactionUpdates**

AmountExcludingTax  
CustomerID  
CustomerTransactionID  
InvoiceID  
IsFinalized  
LastEditedWhen  
OutstandingBalance  
PaymentMethodID  
TaxAmount  
TransactionAmount  
TransactionDate  
TransactionTypeID

**Procedure Website.InvoiceCustomerOrders**

AmountExcludingTax  
CustomerID  
FinalizationDate  
InvoiceID  
LastEditedBy  
LastEditedWhen  
OutstandingBalance  
PaymentMethodID  
TaxAmount  
TransactionAmount  
TransactionDate  
TransactionTypeID



**Table Sales.InvoiceLines** (228,265 rows)

*Detail lines from customer invoices*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	InvoiceLineID	int			NEXT VALUE FOR [Sequences].[InvoiceLineID]
<i>Numeric ID used for reference to a line on an invoice within the database</i>					
<b>FK</b>	InvoiceID	int			
<i>Invoice that this line is associated with</i>					
<b>FK</b>	StockItemID	int			
<i>Stock item for this invoice line</i>					
	Description	nvarchar(100)			
<i>Description of the item supplied (Usually the stock item name but can be overridden)</i>					
<b>FK</b>	PackageTypeID	int			
<i>Type of package supplied</i>					
	Quantity	int			
<i>Quantity supplied</i>					
	UnitPrice	decimal(18,2)		X	
<i>Unit price charged</i>					
	TaxRate	decimal(18,3)			
<i>Tax rate to be applied</i>					
	TaxAmount	decimal(18,2)			
<i>Tax amount calculated</i>					
	LineProfit	decimal(18,2)			
<i>Profit made on this line item at current cost price</i>					
	ExtendedPrice	decimal(18,2)			
<i>Extended line price charged</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Sales\_InvoiceLines** (Primary Key) (Clustered) (< 0.01% Selectivity)

InvoiceLineID

**NCCX\_Sales\_InvoiceLines** (Columnstore)

InvoiceID  
 StockItemID  
 Quantity  
 UnitPrice  
 LineProfit  
 LastEditedWhen

**FK\_Sales\_InvoiceLines\_InvoiceID** (< 0.01% Selectivity)

*Auto-created to support a foreign key*

InvoiceID

**FK\_Sales\_InvoiceLines\_PackageTypeID** (25% Selectivity)

*Auto-created to support a foreign key*

PackageTypeID

**FK\_Sales\_InvoiceLines\_StockItemID** (0.44% Selectivity)

*Auto-created to support a foreign key*

StockItemID

**References:**

**Application.People** (LastEditedBy -> PersonID)

**Sales.Invoices** (*InvoiceID*)

**Warehouse.PackageTypes** (*PackageTypeID*)

**Warehouse.StockItems** (*StockItemID*)

**Used by:**

**Procedure Integration.GetSaleUpdates**

Description  
ExtendedPrice  
InvoiceID  
InvoiceLineID  
LastEditedWhen  
LineProfit  
PackageTypeID  
Quantity  
StockItemID  
TaxAmount  
TaxRate  
UnitPrice

**Procedure Website.InvoiceCustomerOrders**

Description  
ExtendedPrice  
InvoiceID  
InvoiceLineID  
LastEditedBy  
LastEditedWhen  
LineProfit  
PackageTypeID  
Quantity  
StockItemID  
TaxAmount  
TaxRate  
UnitPrice

**Table Sales.Invoices** (70,510 rows)

Details of customer invoices

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	InvoiceID	int			NEXT VALUE FOR [Sequences].[InvoiceID]
<i>Numeric ID used for reference to an invoice within the database</i>					
<b>FK</b>	CustomerID	int			
<i>Customer for this invoice</i>					
<b>FK</b>	BillToCustomerID	int			
<i>Bill to customer for this invoice (invoices might be billed to a head office)</i>					
<b>FK</b>	OrderID	int		X	
<i>Sales order (if any) for this invoice</i>					
<b>FK</b>	DeliveryMethodID	int			
<i>How these stock items are beign delivered</i>					
<b>FK</b>	ContactPersonID	int			
<i>Customer contact for this invoice</i>					
<b>FK</b>	AccountsPersonID	int			
<i>Customer accounts contact for this invoice</i>					
<b>FK</b>	SalespersonPersonID	int			
<i>Salesperson for this invoice</i>					
<b>FK</b>	PackedByPersonID	int			
<i>Person who packed this shipment (or checked the packing)</i>					
	InvoiceDate	date			
<i>Date that this invoice was raised</i>					
	CustomerPurchaseOrderNumber	nvarchar(20)		X	
<i>Purchase Order Number received from customer</i>					
	IsCreditNote	bit			
<i>Is this a credit note (rather than an invoice)</i>					
	CreditNoteReason	nvarchar(max)		X	
<i>Reason that this credit note needed to be generated (if applicable)</i>					
	Comments	nvarchar(max)		X	
<i>Any comments related to this invoice (sent to customer)</i>					
	DeliveryInstructions	nvarchar(max)		X	
<i>Any comments related to delivery (sent to customer)</i>					
	InternalComments	nvarchar(max)		X	
<i>Any internal comments related to this invoice (not sent to the customer)</i>					
	TotalDryItems	int			
<i>Total number of dry packages (information for the delivery driver)</i>					
	TotalChillerItems	int			
<i>Total number of chiller packages (information for the delivery driver)</i>					
	DeliveryRun	nvarchar(5)		X	
<i>Delivery run for this shipment</i>					
	RunPosition	nvarchar(5)		X	
<i>Position in the delivery run for this shipment</i>					
	ReturnedDeliveryData	nvarchar(max)		X	
<i>JSON-structured data returned from delivery devices for deliveries made directly by the organization</i>					
	ConfirmedDeliveryTime	datetime2		X	
<i>Confirmed delivery date and time promoted from JSON delivery data</i>					
	ConfirmedReceivedBy	nvarchar(4000)		X	
<i>Confirmed receiver promoted from JSON delivery data</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Sales\_Invoices** (Primary Key) (Clustered) (< 0.01% Selectivity)

InvoiceID

**FK\_Sales\_Invoices\_AccountsPersonID** (0.38% Selectivity)

*Auto-created to support a foreign key*

AccountsPersonID

**FK\_Sales\_Invoices\_BillToCustomerID** (0.38% Selectivity)

*Auto-created to support a foreign key*

BillToCustomerID

**FK\_Sales\_Invoices\_ContactPersonID** (0.15% Selectivity)

*Auto-created to support a foreign key*

ContactPersonID

**FK\_Sales\_Invoices\_CustomerID** (0.15% Selectivity)

*Auto-created to support a foreign key*

CustomerID

**FK\_Sales\_Invoices\_DeliveryMethodID** (100% Selectivity)

*Auto-created to support a foreign key*

DeliveryMethodID

**FK\_Sales\_Invoices\_OrderID** (< 0.01% Selectivity)

*Auto-created to support a foreign key*

OrderID

**FK\_Sales\_Invoices\_PackedByPersonID** (5.26% Selectivity)

*Auto-created to support a foreign key*

PackedByPersonID

**FK\_Sales\_Invoices\_SalespersonPersonID** (10% Selectivity)

*Auto-created to support a foreign key*

SalespersonPersonID

**IX\_Sales\_Invoices\_ConfirmedDeliveryTime** (< 0.01% Selectivity)

*Allows quick retrieval of invoices confirmed to have been delivered in a given time period*

ConfirmedDeliveryTime

ConfirmedReceivedBy (*Included*)

**References:**

**Application.DeliveryMethods** (*DeliveryMethodID*)

**Application.People** (*AccountsPersonID -> PersonID*)

**Application.People** (*LastEditedBy -> PersonID*)

**Application.People** (*ContactPersonID -> PersonID*)

**Application.People** (*PackedByPersonID -> PersonID*)

**Application.People** (*SalespersonPersonID -> PersonID*)

**Sales.Customers** (*BillToCustomerID -> CustomerID*)

**Sales.Customers** (*CustomerID*)

**Sales.Orders** (*OrderID*)

**Referenced by:**

**Sales.CustomerTransactions** (*InvoiceID*)

**Sales.InvoiceLines** (*InvoiceID*)

**Warehouse.StockItemTransactions** (*InvoiceID*)

**Used by:**

**Procedure Integration.GetSaleUpdates**

BillToCustomerID  
ConfirmedDeliveryTime  
CustomerID  
InvoiceDate  
InvoiceID  
LastEditedWhen  
SalespersonPersonID

**Procedure Integration.GetTransactionUpdates**

CustomerID  
InvoiceID

**Procedure Website.InvoiceCustomerOrders**

AccountsPersonID  
BillToCustomerID  
Comments  
ContactPersonID  
CreditNoteReason  
CustomerID  
CustomerPurchaseOrderNumber  
DeliveryInstructions  
DeliveryMethodID  
DeliveryRun  
InternalComments  
InvoiceDate  
InvoiceID  
IsCreditNote  
LastEditedBy  
LastEditedWhen  
OrderID  
PackedByPersonID  
ReturnedDeliveryData  
RunPosition  
SalespersonPersonID  
TotalChillerItems  
TotalDryItems

**Table Sales.OrderLines** (231,412 rows)

*Detail lines from customer orders*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	OrderLineID	int			NEXT VALUE FOR [Sequences].[OrderLineID]
<i>Numeric ID used for reference to a line on an Order within the database</i>					
<b>FK</b>	OrderID	int			
<i>Order that this line is associated with</i>					
<b>FK</b>	StockItemID	int			
<i>Stock item for this order line (FK not indexed as separate index exists)</i>					
	Description	nvarchar(100)			
<i>Description of the item supplied (Usually the stock item name but can be overridden)</i>					
<b>FK</b>	PackageTypeID	int			
<i>Type of package to be supplied</i>					
	Quantity	int			
<i>Quantity to be supplied</i>					
	UnitPrice	decimal(18,2)		X	
<i>Unit price to be charged</i>					
	TaxRate	decimal(18,3)			
<i>Tax rate to be applied</i>					
	PickedQuantity	int			
<i>Quantity picked from stock</i>					
	PickingCompletedWhen	datetime2		X	
<i>When was picking of this line completed?</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Sales\_OrderLines** (Primary Key) (Clustered) (< 0.01% Selectivity)

OrderLineID

**NCCX\_Sales\_OrderLines** (Columnstore)

OrderID  
StockItemID  
Description  
Quantity  
UnitPrice  
PickedQuantity

**FK\_Sales\_OrderLines\_OrderID** (< 0.01% Selectivity)

*Auto-created to support a foreign key*

OrderID

**FK\_Sales\_OrderLines\_PackageTypeID** (25% Selectivity)

*Auto-created to support a foreign key*

PackageTypeID

**IX\_Sales\_OrderLines\_AllocatedStockItems** (0.44% Selectivity)

*Allows quick summation of stock item quantities already allocated to uninvoiced orders*

StockItemID  
PickedQuantity (Included)

**IX\_Sales\_OrderLines\_Perf\_20160301\_01** (< 0.01% Selectivity)

*Improves performance of order picking and invoicing*

PickingCompletedWhen  
OrderID  
OrderLineID  
Quantity *(Included)*  
StockItemID *(Included)*

**IX\_Sales\_OrderLines\_Perf\_20160301\_02** (< 0.01% Selectivity)

*Improves performance of order picking and invoicing*

StockItemID  
PickingCompletedWhen  
OrderID *(Included)*  
PickedQuantity *(Included)*

**References:**

**Application.People** *(LastEditedBy -> PersonID)*

**Sales.Orders** *(OrderID)*

**Warehouse.PackageTypes** *(PackageTypeID)*

**Warehouse.StockItems** *(StockItemID)*

**Used by:**

**Procedure Integration.GetOrderUpdates**

Description  
LastEditedWhen  
OrderID  
PackageTypeID  
PickingCompletedWhen  
Quantity  
StockItemID  
TaxRate  
UnitPrice

**Procedure Website.InsertCustomerOrders**

Description  
LastEditedBy  
LastEditedWhen  
OrderID  
PackageTypeID  
PickedQuantity  
PickingCompletedWhen  
Quantity  
StockItemID  
TaxRate  
UnitPrice

**Procedure Website.InvoiceCustomerOrders**

Description  
OrderID  
OrderLineID  
PackageTypeID  
PickedQuantity  
StockItemID  
TaxRate  
UnitPrice

**Table Sales.Orders** (73,595 rows)

*Detail of customer orders*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	OrderID	int			NEXT VALUE FOR [Sequences].[OrderID]
<i>Numeric ID used for reference to an order within the database</i>					
<b>FK</b>	CustomerID	int			
<i>Customer for this order</i>					
<b>FK</b>	SalespersonPersonID	int			
<i>Salesperson for this order</i>					
<b>FK</b>	PickedByPersonID	int		X	
<i>Person who picked this shipment</i>					
<b>FK</b>	ContactPersonID	int			
<i>Customer contact for this order</i>					
<b>FK</b>	BackorderOrderID	int		X	
<i>If this order is a backorder, this column holds the original order number</i>					
	OrderDate	date			
<i>Date that this order was raised</i>					
	ExpectedDeliveryDate	date			
<i>Expected delivery date</i>					
	CustomerPurchaseOrderNumber	nvarchar(20)		X	
<i>Purchase Order Number received from customer</i>					
	IsUndersupplyBackordered	bit			
<i>If items cannot be supplied are they backordered?</i>					
	Comments	nvarchar(max)		X	
<i>Any comments related to this order (sent to customer)</i>					
	DeliveryInstructions	nvarchar(max)		X	
<i>Any comments related to order delivery (sent to customer)</i>					
	InternalComments	nvarchar(max)		X	
<i>Any internal comments related to this order (not sent to the customer)</i>					
	PickingCompletedWhen	datetime2		X	
<i>When was picking of the entire order completed?</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Sales\_Orders** (Primary Key) (Clustered) (< 0.01% Selectivity)

OrderID

**FK\_Sales\_Orders\_ContactPersonID** (0.15% Selectivity)

*Auto-created to support a foreign key*

ContactPersonID

**FK\_Sales\_Orders\_CustomerID** (0.15% Selectivity)

*Auto-created to support a foreign key*

CustomerID

**FK\_Sales\_Orders\_PickedByPersonID** (5% Selectivity)

*Auto-created to support a foreign key*

PickedByPersonID

**FK\_Sales\_Orders\_SalespersonPersonID** (10% Selectivity)



*Auto-created to support a foreign key*

SalespersonPersonID

**References:**

**Application.People** (*LastEditedBy -> PersonID*)

**Application.People** (*ContactPersonID -> PersonID*)

**Application.People** (*PickedByPersonID -> PersonID*)

**Application.People** (*SalespersonPersonID -> PersonID*)

**Sales.Customers** (*CustomerID*)

**Sales.Orders** (*BackorderOrderID -> OrderID*)

**Referenced by:**

**Sales.Invoices** (*OrderID*)

**Sales.OrderLines** (*OrderID*)

**Sales.Orders** (*BackorderOrderID -> OrderID*)

**Used by:**

**Procedure DataLoadSimulation.PopulateDataToCurrentDate**

OrderDate

**Procedure Integration.GetOrderUpdates**

BackorderOrderID  
CustomerID  
LastEditedWhen  
OrderDate  
OrderID  
PickedByPersonID  
SalespersonPersonID

**Procedure Website.InsertCustomerOrders**

BackorderOrderID  
Comments  
ContactPersonID  
CustomerID  
CustomerPurchaseOrderNumber  
DeliveryInstructions  
ExpectedDeliveryDate  
InternalComments  
IsUndersupplyBackordered  
LastEditedBy  
LastEditedWhen  
OrderDate  
OrderID  
PickedByPersonID  
PickingCompletedWhen  
SalespersonPersonID

**Procedure Website.InvoiceCustomerOrders**

ContactPersonID  
CustomerID  
CustomerPurchaseOrderNumber  
OrderID  
PickingCompletedWhen  
SalespersonPersonID

**Table Sales.SpecialDeals (2 rows)**

*Special pricing (can include fixed prices, discount \$ or discount %)*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	SpecialDealID	int			NEXT VALUE FOR [Sequences].[SpecialDealID]
<i>ID (sequence based) for a special deal</i>					
<b>FK</b>	StockItemID	int		X	
<i>Stock item that the deal applies to (if NULL, then only discounts are permitted not unit prices)</i>					
<b>FK</b>	CustomerID	int		X	
<i>ID of the customer that the special pricing applies to (if NULL then all customers)</i>					
<b>FK</b>	BuyingGroupID	int		X	
<i>ID of the buying group that the special pricing applies to (optional)</i>					
<b>FK</b>	CustomerCategoryID	int		X	
<i>ID of the customer category that the special pricing applies to (optional)</i>					
<b>FK</b>	StockGroupID	int		X	
<i>ID of the stock group that the special pricing applies to (optional)</i>					
	DealDescription	nvarchar(30)			
<i>Description of the special deal</i>					
	StartDate	date			
<i>Date that the special pricing starts from</i>					
	EndDate	date			
<i>Date that the special pricing ends on</i>					
	DiscountAmount	decimal(18,2)		X	
<i>Discount per unit to be applied to sale price (optional)</i>					
	DiscountPercentage	decimal(18,3)		X	
<i>Discount percentage per unit to be applied to sale price (optional)</i>					
	UnitPrice	decimal(18,2)		X	
<i>Special price per unit to be applied instead of sale price (optional)</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Sales\_SpecialDeals** (Primary Key) (Clustered) (50% Selectivity)

SpecialDealID

**FK\_Sales\_SpecialDeals\_BuyingGroupID** (50% Selectivity)

*Auto-created to support a foreign key*

BuyingGroupID

**FK\_Sales\_SpecialDeals\_CustomerCategoryID** (100% Selectivity)

*Auto-created to support a foreign key*

CustomerCategoryID

**FK\_Sales\_SpecialDeals\_CustomerID** (100% Selectivity)

*Auto-created to support a foreign key*

CustomerID

**FK\_Sales\_SpecialDeals\_StockGroupID** (100% Selectivity)

*Auto-created to support a foreign key*

StockGroupID

**FK\_Sales\_SpecialDeals\_StockItemID** (100% Selectivity)

*Auto-created to support a foreign key*

StockItemID

**References:**

**Application.People** (*LastEditedBy -> PersonID*)

**Sales.BuyingGroups** (*BuyingGroupID*)

**Sales.CustomerCategories** (*CustomerCategoryID*)

**Sales.Customers** (*CustomerID*)

**Warehouse.StockGroups** (*StockGroupID*)

**Warehouse.StockItems** (*StockItemID*)

**Used by:**

**Function Website.CalculateCustomerPrice**

BuyingGroupID  
CustomerCategoryID  
CustomerID  
DiscountAmount  
DiscountPercentage  
EndDate  
StartDate  
StockGroupID  
StockItemID  
UnitPrice

**Table Warehouse.ColdRoomTemperatures** (4 rows)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	ColdRoomTemperatureID	bigint	X		
	ColdRoomSensorNumber	int			
	RecordedWhen	datetime2			
	Temperature	decimal(10,2)			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**PK\_Warehouse\_ColdRoomTemperatures** (Primary Key) (25% Selectivity)

ColdRoomTemperatureID

**IX\_Warehouse\_ColdRoomTemperatures\_ColdRoomSensorNumber** (25% Selectivity)

ColdRoomSensorNumber

**Used by:**

**Procedure Website.RecordColdRoomTemperatures**

ColdRoomSensorNumber

RecordedWhen

Temperature

**Table Warehouse.ColdRoomTemperatures\_Archive** (3,654,736 rows)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	ColdRoomTemperatureID	bigint			
	ColdRoomSensorNumber	int			
	RecordedWhen	datetime2			
	Temperature	decimal(10,2)			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_ColdRoomTemperatures\_Archive** (Clustered) (< 0.01% Selectivity)

ValidTo  
ValidFrom

## Table Warehouse.Colors (36 rows)

Stock items can (optionally) have colors

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	ColorID	int			NEXT VALUE FOR [Sequences].[ColorID]
<i>Numeric ID used for reference to a color within the database</i>					
<b>UK</b>	ColorName	nvarchar(20)			
<i>Full name of a color that can be used to describe stock items</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Warehouse\_Colors** (Primary Key) (Clustered) (2.78% Selectivity)

ColorID

**UQ\_Warehouse\_Colors\_ColorName** (Unique) (2.78% Selectivity)

ColorName

### References:

**Application.People** (LastEditedBy -> PersonID)

### Referenced by:

**Warehouse.StockItems** (ColorID)

**Table Warehouse.Colors\_Archive** (1 row)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	ColorID	int			
	ColorName	nvarchar(20)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_Colors\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

## Table Warehouse.PackageTypes (14 rows)

Ways that stock items can be packaged (ie: each, box, carton, pallet, kg, etc.)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	PackageTypeID	int			NEXT VALUE FOR [Sequences].[PackageTypeID]
<i>Numeric ID used for reference to a package type within the database</i>					
<b>UK</b>	PackageTypeName	nvarchar(50)			
<i>Full name of package types that stock items can be purchased in or sold in</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### Indexes:

**PK\_Warehouse\_PackageTypes** (Primary Key) (Clustered) (7.14% Selectivity)

PackageTypeID

**UQ\_Warehouse\_PackageTypes\_PackageTypeName** (Unique) (7.14% Selectivity)

PackageTypeName

### References:

**Application.People** (LastEditedBy -> PersonID)

### Referenced by:

**Purchasing.PurchaseOrderLines** (PackageTypeID)

**Sales.InvoiceLines** (PackageTypeID)

**Sales.OrderLines** (PackageTypeID)

**Warehouse.StockItems** (OuterPackageID -> PackageTypeID)

**Warehouse.StockItems** (UnitPackageID -> PackageTypeID)

### Used by:

**Procedure Integration.GetOrderUpdates**

PackageTypeID  
PackageTypeName

**Procedure Integration.GetPurchaseUpdates**

PackageTypeID  
PackageTypeName

**Procedure Integration.GetSaleUpdates**

PackageTypeID  
PackageTypeName



**Table Warehouse.PackageTypes\_Archive** (0 rows)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
	PackageTypeID	int			
	PackageTypeName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_PackageTypes\_Archive** (Clustered)

ValidTo  
ValidFrom

## **Table Warehouse.StockGroups** (10 rows)

Groups for categorizing stock items (ie: novelties, toys, edible novelties, etc.)

	<b>Column</b>	<b>Data Type</b>	<b>Identity</b>	<b>Nullable</b>	<b>Default</b>
<b>PK</b>	StockGroupID	int			NEXT VALUE FOR [Sequences].[StockGroupID]
<i>Numeric ID used for reference to a stock group within the database</i>					
<b>UK</b>	StockGroupName	nvarchar(50)			
<i>Full name of groups used to categorize stock items</i>					
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

### **Indexes:**

**PK\_Warehouse\_StockGroups** (Primary Key) (Clustered) (10% Selectivity)

StockGroupID

**UQ\_Warehouse\_StockGroups\_StockGroupName** (Unique) (10% Selectivity)

StockGroupName

### **References:**

**Application.People** (LastEditedBy -> PersonID)

### **Referenced by:**

**Sales.SpecialDeals** (StockGroupID)

**Warehouse.StockItemStockGroups** (StockGroupID)

**Table Warehouse.StockGroups\_Archive** (1 row)

	Column	Data Type	Identity	Nullable	Default
	StockGroupID	int			
	StockGroupName	nvarchar(50)			
	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**ix\_StockGroups\_Archive** (Clustered) (100% Selectivity)

ValidTo  
ValidFrom

## Table Warehouse.StockItemHoldings (227 rows)

Non-temporal attributes for stock items

	Column	Data Type	Identity	Nullable	Default
<b>PK, FK</b>	StockItemID	int			
	<i>ID of the stock item that this holding relates to (this table holds non-temporal columns for stock)</i>				
	QuantityOnHand	int			
	<i>Quantity currently on hand (if tracked)</i>				
	BinLocation	nvarchar(20)			
	<i>Bin location (ie location of this stock item within the depot)</i>				
	LastStocktakeQuantity	int			
	<i>Quantity at last stocktake (if tracked)</i>				
	LastCostPrice	decimal(18,2)			
	<i>Unit cost price the last time this stock item was purchased</i>				
	ReorderLevel	int			
	<i>Quantity below which reordering should take place</i>				
	TargetStockLevel	int			
	<i>Typical quantity ordered</i>				
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

### Indexes:

**PK\_Warehouse\_StockItemHoldings** (Primary Key) (Clustered) (0.44% Selectivity)

StockItemID

### References:

**Application.People** (LastEditedBy -> PersonID)

**Warehouse.StockItems** (StockItemID)

### Used by:

#### Procedure Integration.GetStockHoldingUpdates

BinLocation  
LastCostPrice  
LastStocktakeQuantity  
QuantityOnHand  
ReorderLevel  
StockItemID  
TargetStockLevel

#### Procedure Website.InvoiceCustomerOrders

LastCostPrice  
LastEditedBy  
LastEditedWhen  
QuantityOnHand  
StockItemID

**Table Warehouse.StockItems** (227 rows)

Main entity table for stock items

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	StockItemID	int			NEXT VALUE FOR [Sequences].[StockItemID]
	<i>Numeric ID used for reference to a stock item within the database</i>				
<b>UK</b>	StockItemName	nvarchar(100)			
	<i>Full name of a stock item (but not a full description)</i>				
<b>FK</b>	SupplierID	int			
	<i>Usual supplier for this stock item</i>				
<b>FK</b>	ColorID	int		X	
	<i>Color (optional) for this stock item</i>				
<b>FK</b>	UnitPackageID	int			
	<i>Usual package for selling units of this stock item</i>				
<b>FK</b>	OuterPackageID	int			
	<i>Usual package for selling outers of this stock item (ie cartons, boxes, etc.)</i>				
	Brand	nvarchar(50)		X	
	<i>Brand for the stock item (if the item is branded)</i>				
	Size	nvarchar(20)		X	
	<i>Size of this item (eg: 100mm)</i>				
	LeadTimeDays	int			
	<i>Number of days typically taken from order to receipt of this stock item</i>				
	QuantityPerOuter	int			
	<i>Quantity of the stock item in an outer package</i>				
	IsChillerStock	bit			
	<i>Does this stock item need to be in a chiller?</i>				
	Barcode	nvarchar(50)		X	
	<i>Barcode for this stock item</i>				
	TaxRate	decimal(18,3)			
	<i>Tax rate to be applied</i>				
	UnitPrice	decimal(18,2)			
	<i>Selling price (ex-tax) for one unit of this product</i>				
	RecommendedRetailPrice	decimal(18,2)		X	
	<i>Recommended retail price for this stock item</i>				
	TypicalWeightPerUnit	decimal(18,3)			
	<i>Typical weight for one unit of this product (packaged)</i>				
	MarketingComments	nvarchar(max)		X	
	<i>Marketing comments for this stock item (shared outside the organization)</i>				
	InternalComments	nvarchar(max)		X	
	<i>Internal comments (not exposed outside organization)</i>				
	Photo	varbinary(max)		X	
	<i>Photo of the product</i>				
	CustomFields	nvarchar(max)		X	
	<i>Custom fields added by system users</i>				
	Tags	nvarchar(max)		X	
	<i>Advertising tags associated with this stock item (JSON array retrieved from CustomFields)</i>				
	SearchDetails	nvarchar(max)			
	<i>Combination of columns used by full text search</i>				
<b>FK</b>	LastEditedBy	int			
	ValidFrom	datetime2			
	ValidTo	datetime2			

**Indexes:**

**PK\_Warehouse\_StockItems** (Primary Key) (Clustered) (0.44% Selectivity)

StockItemID

**UQ\_Warehouse\_StockItems\_StockItemName** (Unique) (0.44% Selectivity)

StockItemName

**FK\_Warehouse\_StockItems\_ColorID** (12.5% Selectivity)

Auto-created to support a foreign key

ColorID

**FK\_Warehouse\_StockItems\_OuterPackageID** (33.33% Selectivity)

Auto-created to support a foreign key

OuterPackageID

**FK\_Warehouse\_StockItems\_SupplierID** (14.29% Selectivity)

Auto-created to support a foreign key

SupplierID

**FK\_Warehouse\_StockItems\_UnitPackageID** (25% Selectivity)

Auto-created to support a foreign key

UnitPackageID

#### References:

**Application.People** (LastEditedBy -> PersonID)

**Purchasing.Suppliers** (SupplierID)

**Warehouse.Colors** (ColorID)

**Warehouse.PackageTypes** (OuterPackageID -> PackageTypeID)

**Warehouse.PackageTypes** (UnitPackageID -> PackageTypeID)

#### Referenced by:

**Purchasing.PurchaseOrderLines** (StockItemID)

**Sales.InvoiceLines** (StockItemID)

**Sales.OrderLines** (StockItemID)

**Sales.SpecialDeals** (StockItemID)

**Warehouse.StockItemHoldings** (StockItemID)

**Warehouse.StockItemStockGroups** (StockItemID)

**Warehouse.StockItemTransactions** (StockItemID)

#### Used by:

**Function Website.CalculateCustomerPrice**

StockItemID  
UnitPrice

**Procedure Integration.GetPurchaseUpdates**

QuantityPerOuter  
StockItemID

**Procedure Integration.GetSaleUpdates**

IsChillerStock

StockItemID

**Procedure Integration.GetStockItemUpdates**

StockItemID  
ValidFrom

**Procedure Website.InsertCustomerOrders**

StockItemID  
TaxRate  
UnitPackageID

**Procedure Website.InvoiceCustomerOrders**

IsChillerStock  
StockItemID

**Procedure Website.SearchForStockItems**

SearchDetails  
StockItemID  
StockItemName

**Procedure Website.SearchForStockItemsByTags**

StockItemID  
StockItemName  
Tags

**Table Warehouse.StockItems\_Archive** (444 rows)

Column	Data Type	Identity	Nullable	Default
StockItemID	int			
StockItemName	nvarchar(100)			
SupplierID	int			
ColorID	int		X	
UnitPackageID	int			
OuterPackageID	int			
Brand	nvarchar(50)		X	
Size	nvarchar(20)		X	
LeadTimeDays	int			
QuantityPerOuter	int			
IsChillerStock	bit			
Barcode	nvarchar(50)		X	
TaxRate	decimal(18,3)			
UnitPrice	decimal(18,2)			
RecommendedRetailPrice	decimal(18,2)		X	
TypicalWeightPerUnit	decimal(18,3)			
MarketingComments	nvarchar(max)		X	
InternalComments	nvarchar(max)		X	
Photo	varbinary(max)		X	
CustomFields	nvarchar(max)		X	
Tags	nvarchar(max)		X	
SearchDetails	nvarchar(max)			
LastEditedBy	int			
ValidFrom	datetime2			
ValidTo	datetime2			

**Indexes:**

**ix\_StockItems\_Archive** (Clustered) (5% Selectivity)

ValidTo  
ValidFrom

**Used by:**

**Procedure Integration.GetStockItemUpdates**

StockItemID  
ValidFrom



## Table Warehouse.StockItemStockGroups (442 rows)

Which stock items are in which stock groups

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	StockItemStockGroupID	int			NEXT VALUE FOR [Sequences].[StockItemStockGroupID]
<i>Internal reference for this linking row</i>					
<b>UK, FK</b>	StockItemID	int			
<i>Stock item assigned to this stock group (FK indexed via unique constraint)</i>					
<b>UK, FK</b>	StockGroupID	int			
<i>StockGroup assigned to this stock item (FK indexed via unique constraint)</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

### Indexes:

**PK\_Warehouse\_StockItemStockGroups** (Primary Key) (Clustered) (0.23% Selectivity)

StockItemStockGroupID

**UQ\_StockItemStockGroups\_StockGroupID\_Lookup** (Unique) (0.23% Selectivity)

StockGroupID  
StockItemID

**UQ\_StockItemStockGroups\_StockItemID\_Lookup** (Unique) (0.23% Selectivity)

StockItemID  
StockGroupID

### References:

**Application.People** (LastEditedBy -> PersonID)

**Warehouse.StockGroups** (StockGroupID)

**Warehouse.StockItems** (StockItemID)

### Used by:

**Function Website.CalculateCustomerPrice**

StockGroupID  
StockItemID

**Table Warehouse.StockItemTransactions** (236,667 rows)

*Transactions covering all movements of all stock items*

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	StockItemTransactionID	int			NEXT VALUE FOR [Sequences].[TransactionID]
<i>Numeric ID used to refer to a stock item transaction within the database</i>					
<b>FK</b>	StockItemID	int			
<i>StockItem for this transaction</i>					
<b>FK</b>	TransactionTypeID	int			
<i>Type of transaction</i>					
<b>FK</b>	CustomerID	int		X	
<i>Customer for this transaction (if applicable)</i>					
<b>FK</b>	InvoiceID	int		X	
<i>ID of an invoice (for transactions associated with an invoice)</i>					
<b>FK</b>	SupplierID	int		X	
<i>Supplier for this stock transaction (if applicable)</i>					
<b>FK</b>	PurchaseOrderID	int		X	
<i>ID of an purchase order (for transactions associated with a purchase order)</i>					
	TransactionOccurredWhen	datetime2			
<i>Date and time when the transaction occurred</i>					
	Quantity	decimal(18,3)			
<i>Quantity of stock movement (positive is incoming stock, negative is outgoing)</i>					
<b>FK</b>	LastEditedBy	int			
	LastEditedWhen	datetime2			sysdatetime()

**Indexes:**

**PK\_Warehouse\_StockItemTransactions** (Primary Key) (< 0.01% Selectivity)

StockItemTransactionID

**CCX\_Warehouse\_StockItemTransactions** (Clustered) (Columnstore)

**FK\_Warehouse\_StockItemTransactions\_CustomerID** (0.15% Selectivity)

*Auto-created to support a foreign key*

CustomerID

**FK\_Warehouse\_StockItemTransactions\_InvoiceID** (< 0.01% Selectivity)

*Auto-created to support a foreign key*

InvoiceID

**FK\_Warehouse\_StockItemTransactions\_PurchaseOrderID** (0.05% Selectivity)

*Auto-created to support a foreign key*

PurchaseOrderID

**FK\_Warehouse\_StockItemTransactions\_StockItemID** (0.44% Selectivity)

*Auto-created to support a foreign key*

StockItemID

**FK\_Warehouse\_StockItemTransactions\_SupplierID** (12.5% Selectivity)

*Auto-created to support a foreign key*

SupplierID

**FK\_Warehouse\_StockItemTransactions\_TransactionTypeID** (33.33% Selectivity)

*Auto-created to support a foreign key*

TransactionTypeID

**References:**

**Application.People** (*LastEditedBy -> PersonID*)

**Application.TransactionTypes** (*TransactionTypeID*)

**Purchasing.PurchaseOrders** (*PurchaseOrderID*)

**Purchasing.Suppliers** (*SupplierID*)

**Sales.Customers** (*CustomerID*)

**Sales.Invoices** (*InvoiceID*)

**Warehouse.StockItems** (*StockItemID*)

**Used by:**

**Procedure Integration.GetMovementUpdates**

CustomerID  
InvoiceID  
LastEditedWhen  
PurchaseOrderID  
Quantity  
StockItemID  
StockItemTransactionID  
SupplierID  
TransactionOccurredWhen  
TransactionTypeID

**Procedure Website.InvoiceCustomerOrders**

CustomerID  
InvoiceID  
LastEditedBy  
LastEditedWhen  
PurchaseOrderID  
Quantity  
StockItemID  
SupplierID  
TransactionOccurredWhen  
TransactionTypeID

**Table Warehouse.VehicleTemperatures** (65,998 rows)

	Column	Data Type	Identity	Nullable	Default
<b>PK</b>	VehicleTemperatureID	bigint	X		
	VehicleRegistration	nvarchar(20)			
	ChillerSensorNumber	int			
	RecordedWhen	datetime2			
	Temperature	decimal(10,2)			
	FullSensorData	nvarchar(1000)		X	
	IsCompressed	bit			
	CompressedSensorData	varbinary(max)		X	

**Indexes:**

**PK\_Warehouse\_VehicleTemperatures** (Primary Key) (< 0.01% Selectivity)

VehicleTemperatureID

## **Views:**

### **View Website.Customers**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
CustomerID	int	
CustomerName	nvarchar(100)	
CustomerCategoryName	nvarchar(50)	X
PrimaryContact	nvarchar(50)	X
AlternateContact	nvarchar(50)	X
PhoneNumber	nvarchar(20)	
FaxNumber	nvarchar(20)	
BuyingGroupName	nvarchar(50)	X
WebsiteURL	nvarchar(256)	
DeliveryMethod	nvarchar(50)	X
CityName	nvarchar(50)	X
DeliveryLocation	geography	X
DeliveryRun	nvarchar(5)	X
RunPosition	nvarchar(5)	X

## **Uses:**

### **Table Application.Cities**

CityID  
CityName

### **Table Application.DeliveryMethods**

DeliveryMethodID  
DeliveryMethodName

### **Table Application.People**

FullName  
PersonID

### **Table Sales.BuyingGroups**

BuyingGroupID  
BuyingGroupName

### **Table Sales.CustomerCategories**

CustomerCategoryID  
CustomerCategoryName

### **Table Sales.Customers**

AlternateContactPersonID  
BuyingGroupID  
CustomerCategoryID  
CustomerID  
CustomerName  
DeliveryCityID  
DeliveryLocation  
DeliveryMethodID  
DeliveryRun  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID  
RunPosition  
WebsiteURL

## **View Website.Suppliers**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
SupplierID	int	
SupplierName	nvarchar(100)	
SupplierCategoryName	nvarchar(50)	X
PrimaryContact	nvarchar(50)	X
AlternateContact	nvarchar(50)	X
PhoneNumber	nvarchar(20)	
FaxNumber	nvarchar(20)	
WebsiteURL	nvarchar(256)	
DeliveryMethod	nvarchar(50)	X
CityName	nvarchar(50)	X
DeliveryLocation	geography	X
SupplierReference	nvarchar(20)	X

### **Uses:**

#### **Table Application.Cities**

CityID  
CityName

#### **Table Application.DeliveryMethods**

DeliveryMethodID  
DeliveryMethodName

#### **Table Application.People**

FullName  
PersonID

#### **Table Purchasing.SupplierCategories**

SupplierCategoryID  
SupplierCategoryName

#### **Table Purchasing.Suppliers**

AlternateContactPersonID  
DeliveryCityID  
DeliveryLocation  
DeliveryMethodID  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID  
SupplierCategoryID  
SupplierID  
SupplierName  
SupplierReference  
WebsiteURL

## **View Website.VehicleTemperatures**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
VehicleTemperatureID	bigint	
VehicleRegistration	nvarchar(20)	
ChillerSensorNumber	int	
RecordedWhen	datetime2	
Temperature	decimal(10,2)	
FullSensorData	nvarchar(1000)	X

## **Procedures:**

### **Procedure Application.AddRoleMemberIfNonexistent**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@RoleName	sysname(nvarchar(128))		
@UserName	sysname(nvarchar(128))		



**Procedure Application.Configuration\_ApplyAuditing**

*No parameters.*

## **Procedure Application.Configuration\_ApplyColumnstoreIndexing**

*No parameters.*

### **Used by:**

**Procedure Application.Configuration\_ConfigureForEnterpriseEdition**

## **Procedure Application.Configuration\_ApplyFullTextIndexing**

*No parameters.*

### **Used by:**

**Procedure Application.Configuration\_ConfigureForEnterpriseEdition**

## **Procedure Application.Configuration\_ApplyPartitioning**

*No parameters.*

### **Used by:**

**Procedure Application.Configuration\_ConfigureForEnterpriseEdition**

## **Procedure Application.Configuration\_ApplyRowLevelSecurity**

*No parameters.*

## **Procedure Application.Configuration\_ConfigureForEnterpriseEdition**

*No parameters.*

### **Uses:**

**Procedure Application.Configuration\_ApplyColumnstoreIndexing**

**Procedure Application.Configuration\_ApplyFullTextIndexing**

**Procedure Application.Configuration\_ApplyPartitioning**

**Procedure Application.Configuration\_EnableInMemory**

## **Procedure Application.Configuration\_EnableInMemory**

*No parameters.*

### **Used by:**

**Procedure Application.Configuration\_ConfigureForEnterpriseEdition**

## **Procedure Application.Configuration\_RemoveAuditing**

*No parameters.*



## **Procedure Application.Configuration\_RemoveRowLevelSecurity**

*No parameters.*

## **Procedure Application.CreateRoleIfNonexistent**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@RoleName	sysname(nvarchar(128))		

## **Procedure DataLoadSimulation.Configuration\_ApplyDataLoadSimulationProcedures**

*No parameters.*

### **Used by:**

**Procedure DataLoadSimulation.PopulateDataToCurrentDate**

### **Uses:**

**Procedure DataLoadSimulation.DeactivateTemporalTablesBeforeDataLoad**

**Procedure DataLoadSimulation.ReactivateTemporalTablesAfterDataLoad**

**Procedure DataLoadSimulation.Configuration\_RemoveDataLoadSimulationProcedures**

*No parameters.*

**Used by:**

**Procedure DataLoadSimulation.PopulateDataToCurrentDate**

**Procedure DataLoadSimulation.DeactivateTemporalTablesBeforeDataLoad**

*No parameters.*

**Used by:**

**Procedure DataLoadSimulation.Configuration\_ApplyDataLoadSimulationProcedures**

## **Procedure DataLoadSimulation.PopulateDataToCurrentDate**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@AverageNumberOfCustomerOrdersPerDay	int		
@SaturdayPercentageOfNormalWorkDay	int		
@SundayPercentageOfNormalWorkDay	int		
@IsSilentMode	bit		
@AreDatesPrinted	bit		

### **Uses:**

**Procedure DataLoadSimulation.Configuration\_ApplyDataLoadSimulationProcedures**

**Procedure DataLoadSimulation.Configuration\_RemoveDataLoadSimulationProcedures**

**Table Sales.Orders**

OrderDate

**Procedure DataLoadSimulation.ReactivateTemporalTablesAfterDataLoad**

*No parameters.*

**Used by:**

**Procedure DataLoadSimulation.Configuration\_ApplyDataLoadSimulationProcedures**

## **Procedure Integration.GetCityUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Application.Cities**

CityID  
ValidFrom

#### **Table Application.Cities\_Archive**

CityID  
ValidFrom

#### **Table Application.Countries**

CountryID  
ValidFrom

#### **Table Application.Countries\_Archive**

CountryID  
ValidFrom

#### **Table Application.StateProvinces**

StateProvinceID  
ValidFrom

#### **Table Application.StateProvinces\_Archive**

StateProvinceID  
ValidFrom



## **Procedure Integration.GetCustomerUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Sales.BuyingGroups**

BuyingGroupID  
ValidFrom

#### **Table Sales.BuyingGroups\_Archive**

BuyingGroupID  
ValidFrom

#### **Table Sales.CustomerCategories**

CustomerCategoryID  
ValidFrom

#### **Table Sales.CustomerCategories\_Archive**

CustomerCategoryID  
ValidFrom

#### **Table Sales.Customers**

CustomerID  
ValidFrom

#### **Table Sales.Customers\_Archive**

CustomerID  
ValidFrom

## **Procedure Integration.GetEmployeeUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Application.People**

IsEmployee  
PersonID  
ValidFrom

#### **Table Application.People\_Archive**

IsEmployee  
PersonID  
ValidFrom

## **Procedure Integration.GetMovementUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
Date Key	date	X
WWI Stock Item Transaction ID	int	
WWI Invoice ID	int	X
WWI Purchase Order ID	int	X
Quantity	int	X
WWI Stock Item ID	int	
WWI Customer ID	int	X
WWI Supplier ID	int	X
WWI Transaction Type ID	int	
Transaction Occurred When	datetime2	

### **Uses:**

#### **Table Warehouse.StockItemTransactions**

CustomerID  
InvoiceID  
LastEditedWhen  
PurchaseOrderID  
Quantity  
StockItemID  
StockItemTransactionID  
SupplierID  
TransactionOccurredWhen  
TransactionTypeID

## **Procedure Integration.GetOrderUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
Order Date Key	date	X
Picked Date Key	date	X
WWI Order ID	int	
WWI Backorder ID	int	X
Description	nvarchar(100)	
Package	nvarchar(50)	
Quantity	int	
Unit Price	decimal(18,2)	X
Tax Rate	decimal(18,3)	
Total Excluding Tax	decimal(29,2)	X
Tax Amount	decimal(38,6)	X
Total Including Tax	decimal(38,6)	X
WWI City ID	int	
WWI Customer ID	int	
WWI Stock Item ID	int	
WWI Salesperson ID	int	
WWI Picker ID	int	X
Last Modified When	datetime2	

### **Uses:**

#### **Table Sales.Customers**

CustomerID  
DeliveryCityID

#### **Table Sales.OrderLines**

Description  
LastEditedWhen  
OrderID  
PackageTypeID  
PickingCompletedWhen  
Quantity  
StockItemID  
TaxRate  
UnitPrice

#### **Table Sales.Orders**

BackorderOrderID  
CustomerID  
LastEditedWhen  
OrderDate  
OrderID  
PickedByPersonID  
SalespersonPersonID

#### **Table Warehouse.PackageTypes**

PackageTypeID  
PackageTypeName

## **Procedure Integration.GetPaymentMethodUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Application.PaymentMethods**

PaymentMethodID  
ValidFrom

#### **Table Application.PaymentMethods\_Archive**

PaymentMethodID  
ValidFrom

## **Procedure Integration.GetPurchaseUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
Date Key	date	X
WWI Purchase Order ID	int	
Ordered Outers	int	
Ordered Quantity	int	X
Received Outers	int	
Package	nvarchar(50)	
Is Order Finalized	bit	
WWI Supplier ID	int	
WWI Stock Item ID	int	
Last Modified When	datetime2	

### **Uses:**

#### **Table Purchasing.PurchaseOrderLines**

IsOrderLineFinalized  
LastEditedWhen  
OrderedOuters  
PackageTypeID  
PurchaseOrderID  
ReceivedOuters  
StockItemID

#### **Table Purchasing.PurchaseOrders**

LastEditedWhen  
OrderDate  
PurchaseOrderID  
SupplierID

#### **Table Warehouse.PackageTypes**

PackageTypeID  
PackageTypeName

#### **Table Warehouse.StockItems**

QuantityPerOuter  
StockItemID

## Procedure Integration.GetSaleUpdates

Parameter	Data Type	Default	Is Output
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### Result:

Column	Data Type	Nullable
Invoice Date Key	date	X
Delivery Date Key	date	X
WWI Invoice ID	int	
Description	nvarchar(100)	
Package	nvarchar(50)	
Quantity	int	
Unit Price	decimal(18,2)	X
Tax Rate	decimal(18,3)	
Total Excluding Tax	decimal(19,2)	X
Tax Amount	decimal(18,2)	
Profit	decimal(18,2)	
Total Including Tax	decimal(18,2)	
Total Dry Items	int	
Total Chiller Items	int	
WWI City ID	int	
WWI Customer ID	int	
WWI Bill To Customer ID	int	
WWI Stock Item ID	int	
WWI Salesperson ID	int	
Last Modified When	datetime2	

### Uses:

#### Table Sales.Customers

CustomerID  
DeliveryCityID

#### Table Sales.InvoiceLines

Description  
ExtendedPrice  
InvoiceID  
InvoiceLineID  
LastEditedWhen  
LineProfit  
PackageTypeID  
Quantity  
StockItemID  
TaxAmount  
TaxRate  
UnitPrice

#### Table Sales.Invoices

BillToCustomerID  
ConfirmedDeliveryTime  
CustomerID  
InvoiceDate  
InvoiceID  
LastEditedWhen  
SalespersonPersonID

#### Table Warehouse.PackageTypes

PackageTypeID

PackageName

**Table Warehouse.StockItems**

IsChillerStock  
StockItemID



## **Procedure Integration.GetStockHoldingUpdates**

*No parameters.*

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
Quantity On Hand	int	
Bin Location	nvarchar(20)	
Last Stocktake Quantity	int	
Last Cost Price	decimal(18,2)	
Reorder Level	int	
Target Stock Level	int	
WWI Stock Item ID	int	

### **Uses:**

#### **Table Warehouse.StockItemHoldings**

BinLocation  
LastCostPrice  
LastStocktakeQuantity  
QuantityOnHand  
ReorderLevel  
StockItemID  
TargetStockLevel

## **Procedure Integration.GetStockItemUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Warehouse.StockItems**

StockItemID  
ValidFrom

#### **Table Warehouse.StockItems\_Archive**

StockItemID  
ValidFrom

## **Procedure Integration.GetSupplierUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Purchasing.SupplierCategories**

SupplierCategoryID  
ValidFrom

#### **Table Purchasing.SupplierCategories\_Archive**

SupplierCategoryID  
ValidFrom

#### **Table Purchasing.Suppliers**

SupplierID  
ValidFrom

#### **Table Purchasing.Suppliers\_Archive**

SupplierID  
ValidFrom

## **Procedure Integration.GetTransactionTypeUpdates**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### **Uses:**

#### **Table Application.TransactionTypes**

TransactionTypeID  
ValidFrom

#### **Table Application.TransactionTypes\_Archive**

TransactionTypeID  
ValidFrom

## Procedure Integration.GetTransactionUpdates

Parameter	Data Type	Default	Is Output
@LastCutoff	datetime2		
@NewCutoff	datetime2		

### Result:

Column	Data Type	Nullable
Date Key	date	X
WWI Customer Transaction ID	int	X
WWI Supplier Transaction ID	int	X
WWI Invoice ID	int	X
WWI Purchase Order ID	int	X
Supplier Invoice Number	nvarchar(20)	X
Total Excluding Tax	decimal(18,2)	
Tax Amount	decimal(18,2)	
Total Including Tax	decimal(18,2)	
Outstanding Balance	decimal(18,2)	
Is Finalized	bit	X
WWI Customer ID	int	X
WWI Bill To Customer ID	int	X
WWI Supplier ID	int	X
WWI Transaction Type ID	int	
WWI Payment Method ID	int	X
Last Modified When	datetime2	

### Uses:

#### Table Purchasing.SupplierTransactions

AmountExcludingTax  
IsFinalized  
LastEditedWhen  
OutstandingBalance  
PaymentMethodID  
PurchaseOrderID  
SupplierID  
SupplierInvoiceNumber  
SupplierTransactionID  
TaxAmount  
TransactionAmount  
TransactionDate  
TransactionTypeID

#### Table Sales.CustomerTransactions

AmountExcludingTax  
CustomerID  
CustomerTransactionID  
InvoiceID  
IsFinalized  
LastEditedWhen  
OutstandingBalance  
PaymentMethodID  
TaxAmount  
TransactionAmount  
TransactionDate  
TransactionTypeID

#### Table Sales.Invoices

CustomerID  
InvoiceID

## **Procedure Sequences.ReseedAllSequences**

*No parameters.*

### **Uses:**

**Procedure Sequences.ReseedSequenceBeyondTableValues**

## **Procedure Sequences.ReseedSequenceBeyondTableValues**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SequenceName	sysname(nvarchar(128))		
@SchemaName	sysname(nvarchar(128))		
@TableName	sysname(nvarchar(128))		
@ColumnName	sysname(nvarchar(128))		

### **Used by:**

**Procedure Sequences.ReseedAllSequences**

## **Procedure Website.ActivateWebsiteLogon**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@PersonID	int		
@LogonName	nvarchar(50)		
@InitialPassword	nvarchar(40)		

### **Uses:**

#### **Table Application.People**

FullName  
HashedPassword  
IsPermittedToLogon  
LogonName  
PersonID  
UserPreferences



## **Procedure Website.ChangePassword**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@PersonID	int		
@OldPassword	nvarchar(40)		
@NewPassword	nvarchar(40)		

### **Uses:**

#### **Table Application.People**

FullName  
HashedPassword  
IsPermittedToLogon  
PersonID

## **Procedure Website.InsertCustomerOrders**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@Orders	OrderList		
@OrderLines	OrderLineList		
@OrdersCreatedByPersonID	int		
@SalespersonPersonID	int		

### **Uses:**

**Function Website.CalculateCustomerPrice**

**Sequence Sequences.OrderID**

**Table Sales.OrderLines**

Description  
LastEditedBy  
LastEditedWhen  
OrderID  
PackageTypeID  
PickedQuantity  
PickingCompletedWhen  
Quantity  
StockItemID  
TaxRate  
UnitPrice

**Table Sales.Orders**

BackorderOrderID  
Comments  
ContactPersonID  
CustomerID  
CustomerPurchaseOrderNumber  
DeliveryInstructions  
ExpectedDeliveryDate  
InternalComments  
IsUndersupplyBackordered  
LastEditedBy  
LastEditedWhen  
OrderDate  
OrderID  
PickedByPersonID  
PickingCompletedWhen  
SalespersonPersonID

**Table Warehouse.StockItems**

StockItemID  
TaxRate  
UnitPackageID

## **Procedure Website.InvoiceCustomerOrders**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@OrdersToInvoice	OrderIDList		
@PackedByPersonID	int		
@InvoicedByPersonID	int		

### **Uses:**

#### **Sequence Sequences.InvoiceID**

#### **Table Application.TransactionTypes**

TransactionTypeID  
TransactionTypeName

#### **Table Sales.Customers**

BillToCustomerID  
CustomerID  
DeliveryAddressLine1  
DeliveryAddressLine2  
DeliveryMethodID  
DeliveryRun  
PrimaryContactPersonID  
RunPosition

#### **Table Sales.CustomerTransactions**

AmountExcludingTax  
CustomerID  
FinalizationDate  
InvoiceID  
LastEditedBy  
LastEditedWhen  
OutstandingBalance  
PaymentMethodID  
TaxAmount  
TransactionAmount  
TransactionDate  
TransactionTypeID

#### **Table Sales.InvoiceLines**

Description  
ExtendedPrice  
InvoiceID  
InvoiceLineID  
LastEditedBy  
LastEditedWhen  
LineProfit  
PackageTypeID  
Quantity  
StockItemID  
TaxAmount  
TaxRate  
UnitPrice

#### **Table Sales.Invoices**

AccountsPersonID  
BillToCustomerID  
Comments  
ContactPersonID  
CreditNoteReason  
CustomerID  
CustomerPurchaseOrderNumber  
DeliveryInstructions  
DeliveryMethodID  
DeliveryRun

InternalComments  
InvoiceDate  
InvoiceID  
IsCreditNote  
LastEditedBy  
LastEditedWhen  
OrderID  
PackedByPersonID  
ReturnedDeliveryData  
RunPosition  
SalespersonPersonID  
TotalChillerItems  
TotalDryItems

**Table Sales.OrderLines**

Description  
OrderID  
OrderLineID  
PackageTypeID  
PickedQuantity  
StockItemID  
TaxRate  
UnitPrice

**Table Sales.Orders**

ContactPersonID  
CustomerID  
CustomerPurchaseOrderNumber  
OrderID  
PickingCompletedWhen  
SalespersonPersonID

**Table Warehouse.StockItemHoldings**

LastCostPrice  
LastEditedBy  
LastEditedWhen  
QuantityOnHand  
StockItemID

**Table Warehouse.StockItems**

IsChillerStock  
StockItemID

**Table Warehouse.StockItemTransactions**

CustomerID  
InvoiceID  
LastEditedBy  
LastEditedWhen  
PurchaseOrderID  
Quantity  
StockItemID  
SupplierID  
TransactionOccurredWhen  
TransactionTypeID

## **Procedure Website.RecordColdRoomTemperatures**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SensorReadings	SensorDataList		

### **Uses:**

#### **Table Warehouse.ColdRoomTemperatures**

ColdRoomSensorNumber  
RecordedWhen  
Temperature

## **Procedure Website.RecordVehicleTemperature**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@FullSensorDataArray	nvarchar(1000)		

## **Procedure Website.SearchForCustomers**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SearchText	nvarchar(1000)		
@MaximumRowsToReturn	int		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
JSON_F52E2B61-18A1-11d1-B105-00805F49916B	nvarchar(max)	X

### **Uses:**

#### **Table Application.Cities**

CityID  
CityName

#### **Table Application.People**

FullName  
PersonID  
PreferredName

#### **Table Sales.Customers**

CustomerID  
CustomerName  
DeliveryCityID  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID

## **Procedure Website.SearchForPeople**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SearchText	nvarchar(1000)		
@MaximumRowsToReturn	int		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
JSON_F52E2B61-18A1-11d1-B105-00805F49916B	nvarchar(max)	X

### **Uses:**

#### **Table Application.People**

FullName  
IsEmployee  
IsSalesperson  
PersonID  
PreferredName  
SearchName

#### **Table Purchasing.Suppliers**

AlternateContactPersonID  
PrimaryContactPersonID  
SupplierID  
SupplierName

#### **Table Sales.Customers**

CustomerID  
CustomerName  
PrimaryContactPersonID



## **Procedure Website.SearchForStockItems**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SearchText	nvarchar(1000)		
@MaximumRowsToReturn	int		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
JSON_F52E2B61-18A1-11d1-B105-00805F49916B	nvarchar(max)	X

### **Uses:**

#### **Table Warehouse.StockItems**

SearchDetails  
StockItemID  
StockItemName

## **Procedure Website.SearchForStockItemsByTags**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SearchText	nvarchar(1000)		
@MaximumRowsToReturn	int		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
JSON_F52E2B61-18A1-11d1-B105-00805F49916B	nvarchar(max)	X

### **Uses:**

#### **Table Warehouse.StockItems**

StockItemID  
StockItemName  
Tags

## **Procedure Website.SearchForSuppliers**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>	<b>Is Output</b>
@SearchText	nvarchar(1000)		
@MaximumRowsToReturn	int		

### **Result:**

<b>Column</b>	<b>Data Type</b>	<b>Nullable</b>
JSON_F52E2B61-18A1-11d1-B105-00805F49916B	nvarchar(max)	X

### **Uses:**

#### **Table Application.Cities**

CityID  
CityName

#### **Table Application.People**

FullName  
PersonID  
PreferredName

#### **Table Purchasing.Suppliers**

DeliveryCityID  
FaxNumber  
PhoneNumber  
PrimaryContactPersonID  
SupplierID  
SupplierName

## **Functions:**

### **Inline Table Valued Function Application.DetermineCustomerAccess**

Parameter	Data Type	Default
@CityID	int	

#### **Result:**

Column	Data Type	Nullable
AccessResult	int	

#### **Used by:**

**Policy Application.FilterCustomersBySalesTerritoryRole**

#### **Uses:**

##### **Table Application.Cities**

CityID  
StateProvinceID

##### **Table Application.StateProvinces**

SalesTerritory  
StateProvinceID

## **Scalar Function Website.CalculateCustomerPrice**

<b>Parameter</b>	<b>Data Type</b>	<b>Default</b>
@CustomerID	int	
@StockItemID	int	
@PricingDate	date	

### **Result:**

<b>Data Type</b>	<b>Nullable</b>
decimal(18,2)	X

### **Used by:**

**Procedure Website.InsertCustomerOrders**

### **Uses:**

#### **Table Sales.Customers**

BuyingGroupID  
CustomerCategoryID  
CustomerID

#### **Table Sales.SpecialDeals**

BuyingGroupID  
CustomerCategoryID  
CustomerID  
DiscountAmount  
DiscountPercentage  
EndDate  
StartDate  
StockGroupID  
StockItemID  
UnitPrice

#### **Table Warehouse.StockItems**

StockItemID  
UnitPrice

#### **Table Warehouse.StockItemStockGroups**

StockGroupID  
StockItemID