



# Adventure Works

SQL Server

Last Updated: 11/15/2015

Created: 7/3/2015

## DATA DICTIONARY

*AdventureWorks is a Sample Database shipped with SQL Server and it can be downloaded from <http://codeplex.com> site.*


*AdventureWorks has replaced Northwind and Pubs from the sample database in SQL Server 2005.*

*The Microsoft team keeps updating the sample database as they release new versions.*

Sample Company Inc.  
1000 Main Street Suite B  
Anytown USA, WA 98121  
(555) 322-2233


**T AWBuildVersion**

Current version number of the AdventureWorks 2012 sample database.

Name	Data Type	Length	Null	Description
 SystemInformationID	TinyInt		N	Primary key for AWBuildVersion records.
Database Version	Nvarchar	25	N	Version number of the database in 9.yy.mm.dd.00 format.
VersionDate	DateTime		N	Date and time the record was last updated.
ModifiedDate	DateTime		N	Date and time the record was last updated.


**T DatabaseLog**

Audit table tracking all DDL changes made to the AdventureWorks database. Data is captured by the database trigger ddlDatabaseTriggerLog.

Name	Data Type	Length	Null	Description
 DatabaseLogID	Int		N	Primary key for DatabaseLog records.
PostTime	DateTime		N	The date and time the DDL change occurred.
DatabaseUser	Nvarchar	128	N	The user who implemented the DDL change.
Event	Nvarchar	128	N	The type of DDL statement that was executed.
Schema	Nvarchar	128	Y	The schema to which the changed object belongs.
Object	Nvarchar	128	Y	The object that was changed by the DDL statment.
TSQL	Nvarchar	MAX	N	The exact Transact-SQL statement that was executed.
XmlEvent	XML		N	The raw XML data generated by database trigger.

**T ErrorLog**

Audit table tracking errors in the the AdventureWorks database that are caught by the CATCH block of a TRY...CATCH construct. Data is inserted by stored procedure dbo.uspLogError when it is executed from inside the CATCH block of a TRY...CATCH construct.

Name	Data Type	Length	Null	Description
 ErrorLogID	Int		N	Primary key for ErrorLog records.
ErrorTime	DateTime		N	The date and time at which the error occurred.
UserName	Nvarchar	128	N	The user who executed the batch in which the error occurred.
ErrorNumber	Int		N	The error number of the error that occurred.
ErrorSeverity	Int		Y	The severity of the error that occurred.
ErrorState	Int		Y	The state number of the error that occurred.
ErrorProcedure	Nvarchar	126	Y	The name of the stored procedure or trigger where the error occurred.
ErrorLine	Int		Y	The line number at which the error occurred.
ErrorMessage	Nvarchar	4000	N	The message text of the error that occurred.

**S ufnGetAccountingEndDate**

Scalar function used in the uSalesOrderHeader trigger to set the starting account date.

Name	Data Type	In/Out	Description
[ NO PARAMETERS ]			

**S ufnGetAccountingStartDate**

Scalar function used in the uSalesOrderHeader trigger to set the ending account date.

Name	Data Type	In/Out	Description
[ NO PARAMETERS ]			

**S ufnGetDocumentStatusText**

Scalar function returning the text representation of the Status column in the Document table.

Name	Data Type	In/Out	Description
@Status	TinyInt	IN	Input parameter for the scalar function ufnGetDocumentStatusText. Enter a valid integer.

**S ufnLeadingZeros**

Scalar function used by the Sales.Customer table to help set the account number.

Name	Data Type	In/Out	Description
@Value	Int	IN	Input parameter for the scalar function ufnLeadingZeros. Enter a valid integer.

## S uspLogError

Logs error information in the ErrorLog table about the error that caused execution to jump to the CATCH block of a TRY...CATCH construct. Should be executed from within the scope of a CATCH block otherwise it will return without inserting error information.

Name	Data Type	In/Out	Description
@ErrorLogID	Int	INOUT	Output parameter for the stored procedure uspLogError. Contains the ErrorLogID value corresponding to the row inserted by uspLogError in the ErrorLog table.

## S uspPrintError

Prints error information about the error that caused execution to jump to the CATCH block of a TRY...CATCH construct. Should be executed from within the scope of a CATCH block otherwise it will return without printing any error information.

Name	Data Type	In/Out	Description
[ NO PARAMETERS ]			

## HUMAN RESOURCES

### T Department

Lookup table containing the departments within the Adventure Works Cycles company.

	Name	Data Type	Length	Null	Description
🔑	DepartmentID	Small Int		N	Primary key for Department records.
	Name	Nvarchar	50	N	Name of the department.
	GroupName	Nvarchar	50	N	Name of the group to which the department belongs.
	ModifiedDate	DateTime		N	Date and time the record was last updated.

### T Employee

Employee information such as salary, department, and title.

	Name	Data Type	Length	Null	Description
🔑	BusinessEntityID	Int		N	Primary key for Employee records. Foreign key to BusinessEntity.BusinessEntityID.
	NationalIDNumber	Nvarchar	15	N	Unique national identification number such as a social security number.
	LoginID	Nvarchar	256	N	Network login.
	OrganizationNode	Small Int		Y	Where the employee is located in corporate hierarchy.
	OrganizationLevel	Small Int		Y	The depth of the employee in the corporate hierarchy.
	JobTitle	Nvarchar	50	N	Work title such as Buyer or Sales Representative.
	BirthDate	Date		N	Date of birth.
	MaritalStatus	Nchar	1	N	M = Married, S = Single
	Gender	Nchar	1	N	M = Male, F = Female
	HireDate	Date		N	Employee hired on this date.
	SalariedFlag	Bit		N	Job classification. 0 = Hourly, not exempt from collective bargaining. 1 = Salaried, exempt from collective bargaining.
	VacationHours	Small Int		N	Number of available vacation hours.
	SickLeaveHours	Small Int		N	Number of available sick leave hours.
	CurrentFlag	Bit		N	0 = Inactive, 1 = Active
	rowguid	UniqueIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	DateTime		N	Date and time the record was last updated.



### T EmployeeDepartmentHistory

Employee department transfers.

	Name	Data Type	Length	Null	Description
🔑	BusinessEntityID	Int		N	Employee identification number. Foreign key to Employee.BusinessEntityID.
	DepartmentID	Small Int		N	Department in which the employee worked including currently. Foreign key to Department.DepartmentID.
	ShiftID	TinyInt		N	Identifies which 8-hour shift the employee works. Foreign key to Shift.ShiftID.
🔑	StartDate	Date		N	Date the employee started work in the department.
	EndDate	Date		Y	Date the employee left the department. NULL = Current department.
	ModifiedDate	DateTime		N	Date and time the record was last updated.


## T EmployeePayHistory

Employee pay history.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Employee identification number. Foreign key to Employee.BusinessEntityID.
 RateChangeDate	DateTime		N	Date the change in pay is effective
Rate	Money		N	Salary hourly rate.
PayFrequency	TinyInt		N	1 = Salary received monthly, 2 = Salary received biweekly
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T JobCandidate

Résumés submitted to Human Resources by job applicants.

Name	Data Type	Length	Null	Description
 JobCandidateID	Int		N	Primary key for JobCandidate records.
BusinessEntityID	Int		Y	Employee identification number if applicant was hired. Foreign key to Employee.BusinessEntityID.
Resume	XML		Y	Résumé in XML format.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T Shift

Work shift lookup table.

Name	Data Type	Length	Null	Description
 ShiftID	TinyInt		N	Primary key for Shift records.
Name	Nvarchar	50	N	Shift description.
StartTime	Time		N	Shift start time.
EndTime	Time		N	Shift end time.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## V vEmployee

Employee names and addresses.

Name	Description
BusinessEntityID	
Title	
FirstName	
MiddleName	
LastName	
Suffix	
JobTitle	
PhoneNumber	
PhoneNumberType	
EmailAddress	
EmailPromotion	
AddressLine1	
AddressLine2	
City	
StateProvinceName	
PostalCode	
CountryRegionName	
AdditionalContactInfo	

## V vEmployeeDepartment

Returns employee name, title, and current department.

Name	Description
BusinessEntityID	
Title	
FirstName	

MiddleName
LastName
Suffix
JobTitle
Department
GroupName
StartDate

## V vEmployeeDepartmentHistory

Returns employee name and current and previous departments.

Name	Description
BusinessEntityID	
Title	
FirstName	
MiddleName	
LastName	
Suffix	
Shift	
Department	
GroupName	
StartDate	
EndDate	

## V vJobCandidate

Job candidate names and resumes.

Name	Description
JobCandidateID	
BusinessEntityID	
Name.Prefix	
Name.First	
Name.Middle	
Name.Last	
Name.Suffix	
Skills	
Addr.Type	
Addr.Loc.CountryRegion	
Addr.Loc.State	
Addr.Loc.City	
Addr.PostalCode	
EMail	
WebSite	
ModifiedDate	

## V vJobCandidateEducation

Displays the content from each education related element in the xml column Resume in the HumanResources.JobCandidate table. The content has been localized into French, Simplified Chinese and Thai. Some data may not display correctly unless supplemental language support is installed.

Name	Description
JobCandidateID	
Edu.Level	
Edu.StartDate	
Edu.EndDate	
Edu.Degree	
Edu.Major	
Edu.Minor	
Edu.GPA	

Edu.GPAScale  
 Edu.School  
 Edu.Loc.CountryRegion  
 Edu.Loc.State  
 Edu.Loc.City

## V vJobCandidateEmployment

Displays the content from each employment history related element in the xml column Resume in the HumanResources.JobCandidate table. The content has been localized into French, Simplified Chinese and Thai. Some data may not display correctly unless supplemental language support is installed.

Name	Description
JobCandidateID	
Emp.StartDate	
Emp.EndDate	
Emp.OrgName	
Emp.JobTitle	
Emp.Responsibility	
Emp.FunctionCategory	
Emp.IndustryCategory	
Emp.Loc.CountryRegion	
Emp.Loc.State	
Emp.Loc.City	

## S uspGetEmployeeManagers

Stored procedure using a recursive query to return the direct and indirect managers of the specified employee.

Name	Data Type	In/Out	Description
@BusinessEntityID	Int	IN	Input parameter for the stored procedure uspGetEmployeeManagers. Enter a valid BusinessEntityID from the HumanResources.Employee table.

## S uspGetManagerEmployees

Stored procedure using a recursive query to return the direct and indirect employees of the specified manager.

Name	Data Type	In/Out	Description
@BusinessEntityID	Int	IN	Input parameter for the stored procedure uspGetManagerEmployees. Enter a valid BusinessEntityID of the manager from the HumanResources.Employee table.

## S uspSearchCandidateResumes

Name	Data Type	In/Out	Description
@language	Int	IN	
@searchString	Nvarchar	IN	
@useInflectional	Bit	IN	
@useThesaurus	Bit	IN	

## S uspUpdateEmployeeHireInfo

Name	Data Type	In/Out	Description
@BusinessEntityID	Int	IN	
@CurrentFlag	Bit	IN	
@HireDate	DateTime	IN	
@JobTitle	Nvarchar	IN	
@PayFrequency	TinyInt	IN	
@Rate	Money	IN	
@RateChangeDate	DateTime	IN	

## S uspUpdateEmployeeLogin

Name	Data Type	In/Out	Description
@BusinessEntityID	Int	IN	
@CurrentFlag	Bit	IN	

@HireDate	DateTime	IN
@JobTitle	Nvarchar	IN
@LoginID	Nvarchar	IN
@OrganizationNode		IN


## S uspUpdateEmployeePersonalInfo

Name	Data Type	In/Out	Description
@BirthDate	DateTime	IN	
@BusinessEntityID	Int	IN	
@Gender	Nchar	IN	
@MaritalStatus	Nchar	IN	
@NationalIDNumber	Nvarchar	IN	

## PERSON


### T Address

Street address information for customers, employees, and vendors.

Name	Data Type	Length	Null	Description
 AddressID	Int		N	Primary key for Address records.
AddressLine1	Nvarchar	60	N	First street address line.
AddressLine2	Nvarchar	60	Y	Second street address line.
City	Nvarchar	30	N	Name of the city.
StateProvinceID	Int		N	Unique identification number for the state or province. Foreign key to StateProvince table.
PostalCode	Nvarchar	15	N	Postal code for the street address.
SpatialLocation	Geography		Y	Latitude and longitude of this address.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


### T AddressType

Types of addresses stored in the Address table.

Name	Data Type	Length	Null	Description
 AddressTypeID	Int		N	Primary key for AddressType records.
Name	Nvarchar	50	N	Address type description. For example, Billing, Home, or Shipping.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


### T BusinessEntity

Source of the ID that connects vendors, customers, and employees with address and contact information.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key for all customers, vendors, and employees.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


### T BusinessEntityAddress

Cross-reference table mapping customers, vendors, and employees to their addresses.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key. Foreign key to BusinessEntity.BusinessEntityID.
AddressID	Int		N	Primary key. Foreign key to Address.AddressID.
AddressTypeID	Int		N	Primary key. Foreign key to AddressType.AddressTypeID
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


### T BusinessEntityContact

Cross-reference table mapping stores, vendors, and employees to people

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key. Foreign key to BusinessEntity.BusinessEntityID.
PersonID	Int		N	Primary key. Foreign key to Person.BusinessEntityID.
ContactTypeID	Int		N	Primary key. Foreign key to ContactType.ContactTypeID.
rowguid	Uniquelidentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T ContactType

Lookup table containing the types of business entity contacts.

Name	Data Type	Length	Null	Description
 ContactTypeID	Int		N	Primary key for ContactType records.
Name	Nvarchar	50	N	Contact type description.
ModifiedDate	DateTime		N	Date and time the record was last updated.



## T CountryRegion

Lookup table containing the ISO standard codes for countries and regions.

Name	Data Type	Length	Null	Description
 CountryRegionCode	Nvarchar	3	N	ISO standard code for countries and regions.
Name	Nvarchar	50	N	Country or region name.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T EmailAddress

Where to send a person email.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key. Person associated with this email address. Foreign key to Person.BusinessEntityID
 EmailAddressID	Int		N	Primary key. ID of this email address.
EmailAddress	Nvarchar	50	Y	E-mail address for the person.
rowguid	Uniquelidentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T Password

One way hashed authentication information

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	PasswordHash
PasswordHash	Varchar	128	N	Password for the e-mail account.
PasswordSalt	Varchar	10	N	Random value concatenated with the password string before the password is hashed.
rowguid	Uniquelidentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T Person

Human beings involved with AdventureWorks: employees, customer contacts, and vendor contacts.



Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key for Person records.
PersonType	Nchar	2	N	Primary type of person: SC = Store Contact, IN = Individual (retail) customer, SP = Sales person, EM = Employee (nonsales), VC = Vendor contact, GC = General contact
NameStyle	Bit		N	0 = The data in FirstName and LastName are stored in western style (first name, last name) order. 1 = Eastern style (last name, first name) order
Title	Nvarchar	8	Y	A courtesy title. For example, Mr. or Ms.
FirstName	Nvarchar	50	N	First name of the person.
MiddleName	Nvarchar	50	Y	Middle name or middle initial of the person.
LastName	Nvarchar	50	N	Last name of the person.
Suffix	Nvarchar	10	Y	Surname suffix. For example, Sr. or Jr.



EmailPromotion	Int	N	0 = Contact does not wish to receive e-mail promotions, 1 = Contact does wish to receive e-mail promotions from AdventureWorks, 2 = Contact does wish to receive e-mail promotions from AdventureWorks and selected partners.
AdditionalContactInfo	XML	Y	Additional contact information about the person stored in xml format.
Demographics	XML	Y	Personal information such as hobbies, and income collected from online shoppers. Used for sales analysis.
rowguid	Uniquelidentifier	N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime	N	Date and time the record was last updated.


## T PersonPhone

Telephone number and type of a person.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Business entity identification number. Foreign key to Person.BusinessEntityID.
PhoneNumber	Nvarchar	25	N	Telephone number identification number.
 PhoneNumberTypeID	Int		N	Kind of phone number. Foreign key to PhoneNumberType.PhoneNumberTypeID.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T PhoneNumberType

Type of phone number of a person.

Name	Data Type	Length	Null	Description
 PhoneNumberTypeID	Int		N	Primary key for telephone number type records.
Name	Nvarchar	50	N	Name of the telephone number type
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T StateProvince

State and province lookup table.

Name	Data Type	Length	Null	Description
 StateProvinceID	Int		N	Primary key for StateProvince records.
StateProvinceCode	Nchar	3	N	ISO standard state or province code.
CountryRegionCode	Nvarchar	3	N	ISO standard country or region code. Foreign key to CountryRegion.CountryRegionCode.
IsOnlyStateProvinceFlag	Bit		N	0 = StateProvinceCode exists. 1 = StateProvinceCode unavailable, using CountryRegionCode.
Name	Nvarchar	50	N	State or province description.
TerritoryID	Int		N	ID of the territory in which the state or province is located. Foreign key to SalesTerritory.SalesTerritoryID.
rowguid	Uniquelidentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## V vAdditionalContactInfo

Displays the contact name and content from each element in the xml column AdditionalContactInfo for that person.

Name	Description
BusinessEntityID	
FirstName	
MiddleName	
LastName	
TelephoneNumber	
TelephoneSpecialInstructions	
Street	
City	
StateProvince	
PostalCode	
CountryRegion	
HomeAddressSpecialInstructions	

EEmailAddress
EEmailSpecialInstructions
EEmailTelephoneNumber
rowguid
ModifiedDate

## V vStateProvinceCountryRegion

Joins StateProvince table with CountryRegion table.

Name	Description
StateProvinceID	
StateProvinceCode	
IsOnlyStateProvinceFlag	
StateProvinceName	
TerritoryID	
CountryRegionCode	
CountryRegionName	

## S ufnGetContactInformation


Table value function returning the first name, last name, job title and contact type for a given contact.

Name	Data Type	In/Out	Description
@PersonID	Int	IN	Input parameter for the table value function ufnGetContactInformation. Enter a valid PersonID from the Person.Contact table.

## PRODUCTION


### T BillOfMaterials

Items required to make bicycles and bicycle subassemblies. It identifies the heirarchical relationship between a parent product and its components.

Name	Data Type	Length	Null	Description
 BillOfMaterialsID	Int		N	Primary key for BillOfMaterials records.
ProductAssemblyID	Int		Y	Parent product identification number. Foreign key to Product.ProductID.
ComponentID	Int		N	Component identification number. Foreign key to Product.ProductID.
StartDate	DateTime		N	Date the component started being used in the assembly item.
EndDate	DateTime		Y	Date the component stopped being used in the assembly item.
UnitMeasureCode	Nchar	3	N	Standard code identifying the unit of measure for the quantity.
BOMLevel	Small Int		N	Indicates the depth the component is from its parent (AssemblyID).
PerAssemblyQty	Decimal		N	Quantity of the component needed to create the assembly.
ModifiedDate	DateTime		N	Date and time the record was last updated.

### T Culture

Lookup table containing the languages in which some AdventureWorks data is stored.

Name	Data Type	Length	Null	Description
 CultureID	Nchar	6	N	Primary key for Culture records.
Name	Nvarchar	50	N	Culture description.
ModifiedDate	DateTime		N	Date and time the record was last updated.

### T Document


Product maintenance documents.

Name	Data Type	Length	Null	Description
DocumentNode	Heirarchyid		N	Primary key for Document records.
DocumentLevel	Small Int		Y	Depth in the document hierarchy.
Title	Nvarchar	50	N	Title of the document.
Owner	Int		N	Employee who controls the document. Foreign key to Employee.BusinessEntityID
FolderFlag	Bit		N	0 = This is a folder, 1 = This is a document.
FileName	Nvarchar	400	N	File name of the document

FileExtension	Nvarchar	8	N	File extension indicating the document type. For example, .doc or .txt.
Revision	Nchar	5	N	Revision number of the document.
ChangeNumber	Int		N	Engineering change approval number.
Status	TinyInt		N	1 = Pending approval, 2 = Approved, 3 = Obsolete
DocumentSummary	Nvarchar	MAX	Y	Document abstract.
Document	Varbinary		Y	Complete document.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Required for FileStream.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T Illustration

*Bicycle assembly diagrams.*

Name	Data Type	Length	Null	Description
 IllustrationID	Int		N	Primary key for Illustration records.
Diagram	XML		Y	Illustrations used in manufacturing instructions. Stored as XML.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T Location

*Product inventory and manufacturing locations.*

Name	Data Type	Length	Null	Description
 LocationID	Small Int		N	Primary key for Location records.
Name	Nvarchar	50	N	Location description.
CostRate	Small Money		N	Standard hourly cost of the manufacturing location.
Availability	Decimal		N	Work capacity (in hours) of the manufacturing location.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T Product


*Products sold or used in the manufacturing of sold products.*

Name	Data Type	Length	Null	Description
 ProductID	Int		N	Primary key for Product records.
Name	Nvarchar	50	N	Name of the product.
ProductNumber	Nvarchar	25	N	Unique product identification number.
MakeFlag	Bit		N	0 = Product is purchased, 1 = Product is manufactured in-house.
FinishedGoodsFlag	Bit		N	0 = Product is not a salable item. 1 = Product is salable.
Color	Nvarchar	15	Y	Product color.
SafetyStockLevel	Small Int		N	Minimum inventory quantity.
ReorderPoint	Small Int		N	Inventory level that triggers a purchase order or work order.
StandardCost	Money		N	Standard cost of the product.
ListPrice	Money		N	Selling price.
Size	Nvarchar	5	Y	Product size.
SizeUnitMeasureCode	Nchar	3	Y	Unit of measure for Size column.
WeightUnitMeasureCode	Nchar	3	Y	Unit of measure for Weight column.
Weight	Decimal		Y	Product weight.
DaysToManufacture	Int		N	Number of days required to manufacture the product.
ProductLine	Nchar	2	Y	R = Road, M = Mountain, T = Touring, S = Standard
Class	Nchar	2	Y	H = High, M = Medium, L = Low
Style	Nchar	2	Y	W = Womens, M = Mens, U = Universal
ProductSubcategoryID	Int		Y	Product is a member of this product subcategory. Foreign key to ProductSubCategory.ProductSubCategoryID.
ProductModelID	Int		Y	Product is a member of this product model. Foreign key to ProductModel.ProductModelID.
SellStartDate	DateTime		N	Date the product was available for sale.
SellEndDate	DateTime		Y	Date the product was no longer available for sale.
DiscontinuedDate	DateTime		Y	Date the product was discontinued.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

ModifiedDate	DateTime	N	Date and time the record was last updated.
--------------	----------	---	--



## T ProductCategory

High-level product categorization.

Name	Data Type	Length	Null	Description
 ProductCategoryID	Int		N	Primary key for ProductCategory records.
Name	Nvarchar	50	N	Category description.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T ProductCostHistory

Changes in the cost of a product over time.

Name	Data Type	Length	Null	Description
 ProductID	Int		N	Product identification number. Foreign key to Product.ProductID
 StartDate	DateTime		N	Product cost start date.
EndDate	DateTime		Y	Product cost end date.
StandardCost	Money		N	Standard cost of the product.
ModifiedDate	DateTime		N	Date and time the record was last updated.



## T ProductDescription

Product descriptions in several languages.

Name	Data Type	Length	Null	Description
 ProductDescriptionID	Int		N	Primary key for ProductDescription records.
Description	Nvarchar	400	N	Description of the product.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.



## T ProductDocument

Cross-reference table mapping products to related product documents.

Name	Data Type	Length	Null	Description
 ProductID	Int		N	Product identification number. Foreign key to Product.ProductID.
 DocumentNode	Heirarchyid		N	Document identification number. Foreign key to Document.DocumentNode.
ModifiedDate	DateTime		N	Date and time the record was last updated.



## T ProductInventory

Product inventory information

Name	Data Type	Length	Null	Description
 ProductID	Int		N	Product identification number. Foreign key to Product.ProductID
 LocationID	Small Int		N	Inventory location identification number. Foreign key to Location.LocationID.
Shelf	Nvarchar	10	N	Storage compartment within an inventory location.
Bin	TinyInt		N	Storage container on a shelf in an inventory location
Quantity	Small Int		N	Quantity of products in the inventory location.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T ProductListPriceHistory

Changes in the list price of a product over time.

Name	Data Type	Length	Null	Description
 ProductID	Int		N	Product identification number. Foreign key to Product.ProductID
 StartDate	DateTime		N	List price start date.
EndDate	DateTime		Y	List price end date
ListPrice	Money		N	Product list price.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T ProductModel

*Product model classification.*

Name	Data Type	Length	Null	Description
ProductModelID	Int		N	Primary key for ProductModel records.
Name	Nvarchar	50	N	Product model description.
CatalogDescription	XML		Y	Detailed product catalog information in xml format.
Instructions	XML		Y	Manufacturing instructions in xml format.
rowguid	UniqueIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T ProductModelIllustration

*Cross-reference table mapping product models and illustrations.*

Name	Data Type	Length	Null	Description
ProductModelID	Int		N	Primary key. Foreign key to ProductModel.ProductModelID.
IllustrationID	Int		N	Primary key. Foreign key to Illustration.IllustrationID.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T ProductModelProductDescriptionCulture

*Cross-reference table mapping product descriptions and the language the description is written in.*

Name	Data Type	Length	Null	Description
ProductModelID	Int		N	Primary key. Foreign key to ProductModel.ProductModelID.
ProductDescriptionID	Int		N	Primary key. Foreign key to ProductDescription.ProductDescriptionID.
CultureID	Nchar	6	N	Culture identification number. Foreign key to Culture.CultureID.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T ProductPhoto

*Product images.*

Name	Data Type	Length	Null	Description
ProductPhotoID	Int		N	Primary key for ProductPhoto records.
ThumbNailPhoto	Varbinary		Y	Small image of the product.
ThumbnailPhotoFileName	Nvarchar	50	Y	Small image file name.
LargePhoto	Varbinary		Y	Large image of the product.
LargePhotoFileName	Nvarchar	50	Y	Large image file name.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T ProductProductPhoto

*Cross-reference table mapping products and product photos.*

Name	Data Type	Length	Null	Description
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID.
ProductPhotoID	Int		N	Product photo identification number. Foreign key to ProductPhoto.ProductPhotoID.
Primary	Bit		N	0 = Photo is not the principal image. 1 = Photo is the principal image.
ModifiedDate	DateTime		N	Date and time the record was last updated


## T ProductReview

*Customer reviews of products they have purchased.*

Name	Data Type	Length	Null	Description
ProductReviewID	Int		N	Primary key for ProductReview records.
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID
ReviewerName	Nvarchar	50	N	Name of the reviewer.
ReviewDate	DateTime		N	Date review was submitted.
EmailAddress	Nvarchar	50	N	Reviewer's e-mail address.
Rating	Int		N	Product rating given by the reviewer. Scale is 1 to 5 with 5 as the highest rating.
Comments	Nvarchar	3850	Y	Reviewer's comments
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T ProductSubcategory

Product subcategories. See ProductCategory table.

Name	Data Type	Length	Null	Description
 ProductSubcategoryID	Int		N	Primary key for ProductSubcategory records.
ProductCategoryID	Int		N	Product category identification number. Foreign key to ProductCategory.ProductCategoryID.
Name	Nvarchar	50	N	Subcategory description.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T ScrapReason

Manufacturing failure reasons lookup table.

Name	Data Type	Length	Null	Description
 ScrapReasonID	Small Int		N	Primary key for ScrapReason records.
Name	Nvarchar	50	N	Failure description.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T TransactionHistory

Record of each purchase order, sales order, or work order transaction year to date.

Name	Data Type	Length	Null	Description
 TransactionID	Int		N	Primary key for TransactionHistory records.
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID.
ReferenceOrderID	Int		N	Purchase order, sales order, or work order identification number.
ReferenceOrderLineID	Int		N	Line number associated with the purchase order, sales order, or work order.
TransactionDate	DateTime		N	Date and time of the transaction.
TransactionType	Nchar	1	N	W = WorkOrder, S = SalesOrder, P = PurchaseOrder
Quantity	Int		N	Product quantity.
ActualCost	Money		N	Product cost.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T TransactionHistoryArchive

Transactions for previous years.

Name	Data Type	Length	Null	Description
 TransactionID	Int		N	Primary key for TransactionHistoryArchive records.
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID.
ReferenceOrderID	Int		N	Purchase order, sales order, or work order identification number.
ReferenceOrderLineID	Int		N	Line number associated with the purchase order, sales order, or work order.
TransactionDate	DateTime		N	Date and time of the transaction
TransactionType	Nchar	1	N	W = Work Order, S = Sales Order, P = Purchase Order
Quantity	Int		N	Product quantity.
ActualCost	Money		N	Product cost.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T UnitMeasure

Unit of measure lookup table.

Name	Data Type	Length	Null	Description
 UnitMeasureCode	Nchar	3	N	Primary key.
Name	Nvarchar	50	N	Unit of measure description
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T WorkOrder



Manufacturing work orders.

Name	Data Type	Length	Null	Description
 WorkOrderID	Int		N	Primary key for WorkOrder records.
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID.

OrderQty	Int	N	Product quantity to build.
StockedQty	Int	N	Quantity built and put in inventory.
ScrappedQty	Small Int	N	Quantity that failed inspection.
StartDate	DateTime	N	Work order start date.
EndDate	DateTime	Y	Work order end date.
DueDate	DateTime	N	Work order due date.
ScrapReasonID	Small Int	Y	Reason for inspection failure.
ModifiedDate	DateTime	N	Date and time the record was last updated.

## T WorkOrderRouting

Work order details.

Name	Data Type	Length	Null	Description
 WorkOrderID	Int		N	Primary key. Foreign key to WorkOrder.WorkOrderID
ProductID	Int		N	Primary key. Foreign key to Product.ProductID
 OperationSequence	Small Int		N	Primary key. Indicates the manufacturing process sequence
LocationID	Small Int		N	Manufacturing location where the part is processed. Foreign key to Location.LocationID.
ScheduledStartDate	DateTime		N	Planned manufacturing start date.
ScheduledEndDate	DateTime		N	Planned manufacturing end date.
ActualStartDate	DateTime		Y	Actual start date.
ActualEndDate	DateTime		Y	Actual end date
ActualResourceHrs	Decimal		Y	Number of manufacturing hours used.
PlannedCost	Money		N	Estimated manufacturing cost.
ActualCost	Money		Y	Actual manufacturing cost.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## V vProductAndDescription

Product names and descriptions. Product descriptions are provided in multiple languages.

Name	Description
ProductID	
Name	
ProductModel	
CultureID	
Description	

## V vProductModelCatalogDescription

Displays the content from each element in the xml column CatalogDescription for each product in the Production.ProductModel table that has catalog data.

Name	Description
ProductModelID	
Name	
Summary	
Manufacturer	
Copyright	
ProductURL	
WarrantyPeriod	
WarrantyDescription	
NoOfYears	
MaintenanceDescription	
Wheel	
Saddle	
Pedal	
BikeFrame	
Crankset	
PictureAngle	
PictureSize	

ProductPhotoID
Material
Color
ProductLine
Style
RiderExperience
rowguid
ModifiedDate

## V vProductModelInstructions

Displays the content from each element in the xml column Instructions for each product in the Production.ProductModel table that has manufacturing instructions.

Name	Description
ProductModelID	
Name	
Instructions	
LocationID	
SetupHours	
MachineHours	
LaborHours	
LotSize	
Step	
rowguid	
ModifiedDate	

## S ufnGetProductDealerPrice

Scalar function returning the dealer price for a given product on a particular order date.

Name	Data Type	In/Out	Description
@OrderDate	DateTime	IN	Input parameter for the scalar function ufnGetProductDealerPrice. Enter a valid order date.
@ProductID	Int	IN	Input parameter for the scalar function ufnGetProductDealerPrice. Enter a valid ProductID from the Production.Product table.

## S ufnGetProductListPrice

Scalar function returning the list price for a given product on a particular order date.

Name	Data Type	In/Out	Description
@OrderDate	DateTime	IN	Input parameter for the scalar function ufnGetProductListPrice. Enter a valid order date.
@ProductID	Int	IN	Input parameter for the scalar function ufnGetProductListPrice. Enter a valid ProductID from the Production.Product table.

## S ufnGetProductStandardCost

Scalar function returning the standard cost for a given product on a particular order date.

Name	Data Type	In/Out	Description
@OrderDate	DateTime	IN	Input parameter for the scalar function ufnGetProductStandardCost. Enter a valid order date.
@ProductID	Int	IN	Input parameter for the scalar function ufnGetProductStandardCost. Enter a valid ProductID from the Production.Product table.

## S uspGetBillOfMaterials

Stored procedure using a recursive query to return a multi-level bill of material for the specified ProductID.

Name	Data Type	In/Out	Description
@CheckDate	DateTime	IN	Input parameter for the stored procedure uspGetBillOfMaterials used to eliminate components not used after that date. Enter a valid date.
@StartProductID	Int	IN	Input parameter for the stored procedure uspGetBillOfMaterials. Enter a valid ProductID from the Production.Product table.

## S uspGetWhereUsedProductID

Stored procedure using a recursive query to return all components or assemblies that directly or indirectly use the specified ProductID.




Name	Data Type	In/Out	Description
@CheckDate	DateTime	IN	Input parameter for the stored procedure uspGetWhereUsedProductID used to eliminate components not used after that date. Enter a valid date.
@StartProductID	Int	IN	Input parameter for the stored procedure uspGetWhereUsedProductID. Enter a valid ProductID from the Production.Product table.

## PURCHASING



### T ProductVendor

Cross-reference table mapping vendors with the products they supply.

Name	Data Type	Length	Null	Description
 ProductID	Int		N	Primary key. Foreign key to Product.ProductID.
BusinessEntityID	Int		N	Primary key. Foreign key to Vendor.BusinessEntityID
AverageLeadTime	Int		N	The average span of time (in days) between placing an order with the vendor and receiving the purchased product.
StandardPrice	Money		N	The vendor's usual selling price
LastReceiptCost	Money		Y	The selling price when last purchased
LastReceiptDate	DateTime		Y	Date the product was last received by the vendor.
MinOrderQty	Int		N	The maximum quantity that should be ordered.
MaxOrderQty	Int		N	The minimum quantity that should be ordered
OnOrderQty	Int		Y	The quantity currently on order.
UnitMeasureCode	Nchar	3	N	The product's unit of measure.
ModifiedDate	DateTime		N	Date and time the record was last updated


### T PurchaseOrderDetail

Individual products associated with a specific purchase order. See PurchaseOrderHeader.

Name	Data Type	Length	Null	Description
 PurchaseOrderID	Int		N	Primary key. Foreign key to PurchaseOrderHeader.PurchaseOrderID.
 PurchaseOrderDetailID	Int		N	Primary key. One line number per purchased product.
DueDate	DateTime		N	Date the product is expected to be received.
OrderQty	Small Int		N	Quantity ordered.
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID
UnitPrice	Money		N	Vendor's selling price of a single product.
LineTotal	Money		N	Per product subtotal. Computed as OrderQty * UnitPrice.
ReceivedQty	Decimal		N	Quantity actually received from the vendor.
RejectedQty	Decimal		N	Quantity rejected during inspection.
StockedQty	Decimal		N	Quantity accepted into inventory. Computed as ReceivedQty - RejectedQty.
ModifiedDate	DateTime		N	Date and time the record was last updated

### T PurchaseOrderHeader

General purchase order information. See PurchaseOrderDetail.

Name	Data Type	Length	Null	Description
 PurchaseOrderID	Int		N	Primary key.
RevisionNumber	TinyInt		N	Incremental number to track changes to the purchase order over time.
Status	TinyInt		N	Order current status. 1 = Pending; 2 = Approved; 3 = Rejected; 4 = Complete
EmployeeID	Int		N	Employee who created the purchase order. Foreign key to Employee.BusinessEntityID.
VendorID	Int		N	Vendor with whom the purchase order is placed. Foreign key to Vendor.BusinessEntityID
ShipMethodID	Int		N	Shipping method. Foreign key to ShipMethod.ShipMethodID.
OrderDate	DateTime		N	Purchase order creation date.
ShipDate	DateTime		Y	Estimated shipment date from the vendor.
SubTotal	Money		N	Purchase order subtotal. Computed as SUM(PurchaseOrderDetail.LineTotal)for the appropriate PurchaseOrderID.

TaxAmt	Money	N	Tax amount.
Freight	Money	N	Shipping cost.
TotalDue	Money	N	Total due to vendor. Computed as Subtotal + TaxAmt + Freight.
ModifiedDate	DateTime	N	Date and time the record was last updated.


## T ShipMethod

*Shipping company lookup table.*

Name	Data Type	Length	Null	Description
 ShipMethodID	Int		N	Primary key for ShipMethod records.
Name	Nvarchar	50	N	Shipping company name.
ShipBase	Money		N	Minimum shipping charge.
ShipRate	Money		N	Shipping charge per pound.
rowguid	UniqueIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T Vendor

*Companies from whom Adventure Works Cycles purchases parts or other goods.*

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key for Vendor records. Foreign key to BusinessEntity.BusinessEntityID
AccountNumber	Nvarchar	15	N	Vendor account (identification) number.
Name	Nvarchar	50	N	Company name.
CreditRating	TinyInt		N	1 = Superior, 2 = Excellent, 3 = Above average, 4 = Average, 5 = Below average
PreferredVendorStatus	Bit		N	0 = Do not use if another vendor is available. 1 = Preferred over other vendors supplying the same product.
ActiveFlag	Bit		N	0 = Vendor no longer used. 1 = Vendor is actively used.
PurchasingWebServiceURL	Nvarchar	1024	Y	Vendor URL.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## V vVendorWithAddresses

*Vendor (company) names and addresses .*

Name	Description
BusinessEntityID	
Name	
AddressType	
AddressLine1	
AddressLine2	
City	
StateProvinceName	
PostalCode	
CountryRegionName	

## V vVendorWithContacts

*Vendor (company) names and the names of vendor employees to contact.*

Name	Description
BusinessEntityID	
Name	
ContactType	
Title	
FirstName	
MiddleName	
LastName	
Suffix	
PhoneNumber	
PhoneNumberType	

EmailAddress  
EmailPromotion

## **S** ufnGetPurchaseOrderStatusText

Scalar function returning the text representation of the Status column in the PurchaseOrderHeader table.

Name	Data Type	In/Out	Description
@Status	TinyInt	IN	Input parameter for the scalar function ufnGetPurchaseOrderStatusText. Enter a valid integer.

## **S** ufnGetStock

Scalar function returning the quantity of inventory in LocationID 6 (Miscellaneous Storage) for a specified ProductID.

Name	Data Type	In/Out	Description
@ProductID	Int	IN	Input parameter for the scalar function ufnGetStock. Enter a valid ProductID from the Production.ProductInventory table.

## SALES


## **T** CountryRegionCurrency

Cross-reference table mapping ISO currency codes to a country or region.

Name	Data Type	Length	Null	Description
 CountryRegionCode	Nvarchar	3	N	ISO code for countries and regions. Foreign key to CountryRegion.CountryRegionCode.
CurrencyCode	Nchar	3	N	ISO standard currency code. Foreign key to Currency.CurrencyCode.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## **T** CreditCard

Customer credit card information.

Name	Data Type	Length	Null	Description
 CreditCardID	Int		N	Primary key for CreditCard records.
CardType	Nvarchar	50	N	Credit card name.
CardNumber	Nvarchar	25	N	Credit card number.
ExpMonth	TinyInt		N	Credit card expiration month.
ExpYear	Small Int		N	Credit card expiration year.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## **T** Currency

Lookup table containing standard ISO currencies.

Name	Data Type	Length	Null	Description
 CurrencyCode	Nchar	3	N	The ISO code for the Currency.
Name	Nvarchar	50	N	Currency name.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## **T** CurrencyRate

Currency exchange rates.

Name	Data Type	Length	Null	Description
 CurrencyRateID	Int		N	Primary key for CurrencyRate records.
CurrencyRateDate	DateTime		N	Date and time the exchange rate was obtained.
FromCurrencyCode	Nchar	3	N	Exchange rate was converted from this currency code.
ToCurrencyCode	Nchar	3	N	Exchange rate was converted to this currency code.
AverageRate	Money		N	Average exchange rate for the day.
EndOfDayRate	Money		N	Final exchange rate for the day.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## **T** Customer



Current customer information. Also see the Person and Store tables.

Name	Data Type	Length	Null	Description
 CustomerID	Int		N	Primary key.
PersonID	Int		Y	Foreign key to Person.BusinessEntityID
StoreID	Int		Y	Foreign key to Store.BusinessEntityID

TerritoryID	Int	Y	ID of the territory in which the customer is located. Foreign key to SalesTerritory.SalesTerritoryID.
AccountNumber	Varchar	10 N	Unique number identifying the customer assigned by the accounting system.
rowguid	Uniquelidentifier	N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime	N	Date and time the record was last updated.



## T PersonCreditCard

Cross-reference table mapping people to their credit card information in the CreditCard table.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Business entity identification number. Foreign key to Person.BusinessEntityID.
 CreditCardID	Int		N	Credit card identification number. Foreign key to CreditCard.CreditCardID.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T SalesOrderDetail

Individual products associated with a specific sales order. See SalesOrderHeader.

Name	Data Type	Length	Null	Description
 SalesOrderID	Int		N	Primary key. Foreign key to SalesOrderHeader.SalesOrderID.
 SalesOrderDetailID	Int		N	Primary key. One incremental unique number per product sold.
CarrierTrackingNumber	Nvarchar	25	Y	Shipment tracking number supplied by the shipper.
OrderQty	Small Int		N	Quantity ordered per product.
ProductID	Int		N	Product sold to customer. Foreign key to Product.ProductID.
SpecialOfferID	Int		N	Promotional code. Foreign key to SpecialOffer.SpecialOfferID.
UnitPrice	Money		N	Selling price of a single product.
UnitPriceDiscount	Money		N	Discount amount.
LineTotal	Numeric		N	Per product subtotal. Computed as UnitPrice * (1 - UnitPriceDiscount) * OrderQty.
rowguid	Uniquelidentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T SalesOrderHeader



General sales order information.

Name	Data Type	Length	Null	Description
 SalesOrderID	Int		N	Primary key.
RevisionNumber	TinyInt		N	Incremental number to track changes to the sales order over time.
OrderDate	DateTime		N	Dates the sales order was created.
DueDate	DateTime		N	Date the order is due to the customer.
ShipDate	DateTime		Y	Date the order was shipped to the customer.
Status	TinyInt		N	Order current status. 1 = In process; 2 = Approved; 3 = Backordered; 4 = Rejected; 5 = Shipped; 6 = Cancelled
OnlineOrderFlag	Bit		N	0 = Order placed by sales person. 1 = Order placed online by customer.
SalesOrderNumber	Nvarchar	25	N	Unique sales order identification number.
PurchaseOrderNumber	Nvarchar	25	Y	Customer purchase order number reference.
AccountNumber	Nvarchar	15	Y	Financial accounting number reference.
CustomerID	Int		N	Customer identification number. Foreign key to Customer.BusinessEntityID.
SalesPersonID	Int		Y	Sales person who created the sales order. Foreign key to SalesPerson.BusinessEntityID.
TerritoryID	Int		Y	Territory in which the sale was made. Foreign key to SalesTerritory.SalesTerritoryID.
BillToAddressID	Int		N	Customer billing address. Foreign key to Address.AddressID.
ShipToAddressID	Int		N	Customer shipping address. Foreign key to Address.AddressID.
ShipMethodID	Int		N	Shipping method. Foreign key to ShipMethod.ShipMethodID.
CreditCardID	Int		Y	Credit card identification number. Foreign key to

				CreditCard.CreditCardID.
CreditCardApprovalCode	Varchar	15	Y	Approval code provided by the credit card company.
CurrencyRateID	Int		Y	Currency exchange rate used. Foreign key to CurrencyRate.CurrencyRateID.
SubTotal	Money		N	Sales subtotal. Computed as SUM(SalesOrderDetail.LineTotal)for the appropriate SalesOrderID.
TaxAmt	Money		N	Tax amount.
Freight	Money		N	Shipping cost.
TotalDue	Money		N	Total due from customer. Computed as Subtotal + TaxAmt + Freight.
Comment	Nvarchar	128	Y	Sales representative comments.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T SalesOrderHeaderSalesReason

Cross-reference table mapping sales orders to sales reason codes.

Name	Data Type	Length	Null	Description
 SalesOrderID	Int		N	Primary key. Foreign key to SalesOrderHeader.SalesOrderID.
 SalesReasonID	Int		N	Primary key. Foreign key to SalesReason.SalesReasonID.
ModifiedDate	DateTime		N	Date and time the record was last updated.



## T SalesPerson

Sales representative current information.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key for SalesPerson records. Foreign key to Employee.BusinessEntityID
TerritoryID	Int		Y	Territory currently assigned to. Foreign key to SalesTerritory.SalesTerritoryID.
SalesQuota	Money		Y	Projected yearly sales.
Bonus	Money		N	Bonus due if quota is met.
CommissionPct	Small Money		N	Commision percent received per sale.
SalesYTD	Money		N	Sales total year to date.
SalesLastYear	Money		N	Sales total of previous year.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T SalesPersonQuotaHistory

Sales performance tracking.

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Sales person identification number. Foreign key to SalesPerson.BusinessEntityID.
 QuotaDate	DateTime		N	Sales quota date.
SalesQuota	Money		N	Sales quota amount.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T SalesReason


Lookup table of customer purchase reasons.

Name	Data Type	Length	Null	Description
 SalesReasonID	Int		N	Primary key for SalesReason records.
Name	Nvarchar	50	N	Sales reason description.
ReasonType	Nvarchar	50	N	Category the sales reason belongs to.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T SalesTaxRate


Tax rate lookup table.

Name	Data Type	Length	Null	Description
------	-----------	--------	------	-------------

 SalesTaxRateID	Int	N	Primary key for SalesTaxRate records
StateProvinceID	Int	N	State, province, or country/region the sales tax applies to.
TaxType	TinyInt	N	1 = Tax applied to retail transactions, 2 = Tax applied to wholesale transactions, 3 = Tax applied to all sales (retail and wholesale) transactions.
TaxRate	Small Money	N	Tax rate amount.
Name	Nvarchar	50	Tax rate description.
rowguid	UniquelIdentifier	N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime	N	Date and time the record was last updated.




## T SalesTerritory

*Sales territory lookup table.*

Name	Data Type	Length	Null	Description
 TerritoryID	Int		N	Primary key for SalesTerritory records.
Name	Nvarchar	50	N	Sales territory description
CountryRegionCode	Nvarchar	3	N	ISO standard country or region code. Foreign key to CountryRegion.CountryRegionCode.
Group	Nvarchar	50	N	Geographic area to which the sales territory belong.
SalesYTD	Money		N	Sales in the territory year to date.
SalesLastYear	Money		N	Sales in the territory the previous year.
CostYTD	Money		N	Business costs in the territory year to date.
CostLastYear	Money		N	Business costs in the territory the previous year.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T SalesTerritoryHistory

*Sales representative transfers to other sales territories.*

Name	Data Type	Length	Null	Description
 BusinessEntityID	Int		N	Primary key. The sales rep. Foreign key to SalesPerson.BusinessEntityID.
 TerritoryID	Int		N	Primary key. Territory identification number. Foreign key to SalesTerritory.SalesTerritoryID.
 StartDate	DateTime		N	Primary key. Date the sales representative started work in the territory.
EndDate	DateTime		Y	Date the sales representative left work in the territory.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.


## T ShoppingCartItem

*Contains online customer orders until the order is submitted or cancelled.*

Name	Data Type	Length	Null	Description
 ShoppingCartItemID	Int		N	Primary key for ShoppingCartItem records.
ShoppingCartID	Nvarchar	50	N	Shopping cart identification number.
Quantity	Int		N	Product quantity ordered.
ProductID	Int		N	Product ordered. Foreign key to Product.ProductID.
DateCreated	DateTime		N	Date the time the record was created.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T SpecialOffer

*Sale discounts lookup table.*

Name	Data Type	Length	Null	Description
 SpecialOfferID	Int		N	Primary key for SpecialOffer records.
Description	Nvarchar	255	N	Discount description.
DiscountPct	Small Money		N	Discount percentage.
Type	Nvarchar	50	N	Discount type category.
Category	Nvarchar	50	N	Group the discount applies to such as Reseller or Customer.

StartDate	DateTime	N	Discount start date.
EndDate	DateTime	N	Discount end date.
MinQty	Int	N	Minimum discount percent allowed.
MaxQty	Int	Y	Maximum discount percent allowed.
rowguid	UniquelIdentifier	N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime	N	Date and time the record was last updated.

## T SpecialOfferProduct

*Cross-reference table mapping products to special offer discounts.*

Name	Data Type	Length	Null	Description
SpecialOfferID	Int		N	Primary key for SpecialOfferProduct records.
ProductID	Int		N	Product identification number. Foreign key to Product.ProductID.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## T Store

*Customers (resellers) of Adventure Works products.*

Name	Data Type	Length	Null	Description
BusinessEntityID	Int		N	Primary key. Foreign key to Customer.BusinessEntityID.
Name	Nvarchar	50	N	Name of the store.
SalesPersonID	Int		Y	ID of the sales person assigned to the customer. Foreign key to SalesPerson.BusinessEntityID.
Demographics	XML		Y	Demographic information about the store such as the number of employees, annual sales and store type.
rowguid	UniquelIdentifier		N	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
ModifiedDate	DateTime		N	Date and time the record was last updated.

## V IndividualCustomer

*Individual customers (names and addresses) that purchase Adventure Works Cycles products online.*

Name	Description
BusinessEntityID	
Title	
FirstName	
MiddleName	
LastName	
Suffix	
PhoneNumber	
PhoneNumberType	
EmailAddress	
EmailPromotion	
AddressType	
AddressLine1	
AddressLine2	
City	
StateProvinceName	
PostalCode	
CountryRegionName	
Demographics	

## V vPersonDemographics

*Displays the content from each element in the xml column Demographics for each customer in the Person.Person table.*

Name	Description
BusinessEntityID	
TotalPurchaseYTD	

DateFirstPurchase
BirthDate
MaritalStatus
YearlyIncome
Gender
TotalChildren
NumberChildrenAtHome
Education
Occupation
HomeOwnerFlag
NumberCarsOwned

## V vSalesPerson

*Sales representatives (names and addresses) and their sales-related information.*

Name	Description
BusinessEntityID	
Title	
FirstName	
MiddleName	
LastName	
Suffix	
JobTitle	
PhoneNumber	
PhoneNumberType	
EmailAddress	
EmailPromotion	
AddressLine1	
AddressLine2	
City	
StateProvinceName	
PostalCode	
CountryRegionName	
TerritoryName	
TerritoryGroup	
SalesQuota	
SalesYTD	
SalesLastYear	

## V vSalesPersonSalesByFiscalYears

*Uses PIVOT to return aggregated sales information for each sales representative.*

Name	Description
SalesPersonID	
FullName	
JobTitle	
SalesTerritory	
2002	
2003	
2004	

## V vStoreWithAddresses

*Stores (including store addresses) that sell Adventure Works Cycles products to consumers.*

stores (including store addresses), the company's various items, cycles, products to consumers.	
Name	Description
BusinessEntityID	
Name	
AddressType	



AddressLine1
AddressLine2
City
StateProvinceName
PostalCode
CountryRegionName

## **V vStoreWithContacts**

*Stores (including store contacts) that sell Adventure Works Cycles products to consumers.*

Name	Description
BusinessEntityID	
Name	
ContactType	
Title	
FirstName	
MiddleName	
LastName	
Suffix	
PhoneNumber	
PhoneNumberType	
EmailAddress	
EmailPromotion	

## **V vStoreWithDemographics**

*Stores (including demographics) that sell Adventure Works Cycles products to consumers.*

Name	Description
BusinessEntityID	
Name	
AnnualSales	
AnnualRevenue	
BankName	
BusinessType	
YearOpened	
Specialty	
SquareFeet	
Brands	
Internet	
NumberEmployees	

## **S ufnGetSalesOrderStatusText**

*Scalar function returning the text representation of the Status column in the SalesOrderHeader table.*

Name	Data Type	In/Out	Description
@Status	TinyInt	IN	Input parameter for the scalar function ufnGetSalesOrderStatusText. Enter a valid integer.