



DEMO-MSSQL\SQL2025

Documentation for the AdventureWorks2025 database.

Servers

Servers 1

 [AdventureWorks2025.demo-mssql\sql2025](#)

AdventureWorks2025.demo-mssql\sql2025

Databases 1

 AdventureWorks2025

Properties

Name	Value
Product	Microsoft SQL Server
Version Level	RTM
Edition	Enterprise Developer Edition (64-bit)
Version	17.0.1000.7
Language	English (United States)
Collation	SQL_Latin1_General_CP1_CI_AS
Platform	NT x64
OS Version	6.3 (20348)
Processors	2
Physical Memory (Mb)	4088
Clustered	False
Root Directory	C:\Program Files\Microsoft SQL Server\MSSQL17.SQL2025\MSSQL

Settings

Name	Value
Default data file path	C:\Program Files\Microsoft SQL Server\MSSQL17.SQL2025\MSSQL\DATA\
Default log file path	C:\Program Files\Microsoft SQL Server\MSSQL17.SQL2025\MSSQL\DATA\
Default backup file path	C:\Program Files\Microsoft SQL Server\MSSQL17.SQL2025\MSSQL\Backup
Recovery Interval (minutes)	0
Default index fill factor (%)	0
Default backup media retention (days)	0
Compress backup	False
Nested triggers enabled	True
Allow triggers to fire others	True
Default language	us_english
Default fulltext language	us_english
Default fulltext language LCID	1033
Network packet size	4096
Two digit year cutoff	2049
Max text replication size (bytes)	65536

Locks	0
Blocked process threshold	0
Cursor threshold	-1
Cost threshold for parallelism	5
Scans and runs startup procedures	False
Transform noise words	False
Filestream access level	FullAccessEnabled
Optimize for 'ad hoc' workloads	False
Remote login timeout (sec)	10

User databases

User databases 1

 AdventureWorks2025

AdventureWorks2025












Description

Documentation for the AdventureWorks2025 database.

Properties

Name	Value
SQL Server version	Microsoft SQL Server RTM 17.0.1000.7
Compatibility level	
Last backup time	11/14/2025 1:06:02 PM
Last backup time of transaction log	N/A
Default index fill factor (%)	0
Creation date	1/19/2026 12:41:49 PM
Number of Users	4
Database Encryption Enabled	False
Database Encryption Algorithm	N/A
Database status	ONLINE
Max size	0 B
Database size (Mb)	336
Unallocated data space (Mb)	33.56
Default language	N/A
Default fulltext language	us_english

Object Types 11

-  [Tables](#)
-  [Views](#)
-  [Stored Procedures](#)
-  [Table-Valued Functions](#)
-  [Scalar-Valued Functions](#)
-  [Database Triggers](#)
-  [User-Defined Data Types](#)
-  [XML Schema Collections](#)
-  [Full-Text Catalogs](#)
-  [Database Roles](#)
-  [Schemas](#)

Options

Name	Value
Database collation	SQL_Latin1_General_CP1_CI_AS
Restrict access	MULTI_USER
Cleanly shutdown	False
Supplemental logging enabled	False

Is Read-Only	False
Auto close	False
Auto shrink	False
Database is read-only for restore log	False
Is Snapshot	False
Snapshot isolation state	False
Read committed snapshot on	True
Recovery model	SIMPLE
Page verify option	Checksum
Auto create statistics	True
Auto update statistics	True
Auto update statistics asynchronously	False
ANSI NULL default	False
ANSI NULL enabled	True
ANSI padding enabled	True
ANSI warnings enabled	True
Arithmetic abort enabled	True
Concatenating NULL yields NULL	True
Numeric roundabort enabled	False
Quoted Identifier ON	True
Recursive triggers enabled	False
Close cursors on commit	False
Local cursor by default	False
Fulltext enabled	True
Trustworthy	False
Database chaining	False
Forced parameterization	False
Master key encrypted by server	False
Published	False
Merge published	False
Is distribution database	False
Sync with backup	False
Service broker GUID	332974ec-7c96-432a-a966-35c85c7ea540
Service broker enabled	False
Log reuse wait	Nothing
Date correlation	False
Change data capture enabled	False

Honor broker priority	False
Database owner	sa
Delayed durability	Disabled
Containment type	False

Database Files 2

Name	Type	Size	Max size	Autogrowth	File Name
AdventureWorks	Rows	270,336 KB	N/A	65,536 KB	C:\Program Files\Microsoft SQL Server\MSSQL17.SQL2025\MSSQL\DATA\AdventureWorks2025.mdf
AdventureWorks_log	Log	73,728 KB	2,147,483,648 KB	65,536 KB	C:\Program Files\Microsoft SQL Server\MSSQL17.SQL2025\MSSQL\DATA\AdventureWorks2025_log.ldf

Tables

Objects 73

Name	Description
dbo.AWBuildVersion	Current version number of the AdventureWorks 2025 sample database.
dbo.DatabaseLog	Audit table tracking all DDL changes made to the AdventureWorks database. Data is captured by the database trigger ddlDatabaseTriggerLog.
dbo.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.
HumanResources.BusinessEntity	
HumanResources.Department	Lookup table containing the departments within the Adventure Works Cycles company.
HumanResources.Employee	Employee information such as salary, department, and title.
HumanResources.EmployeeDepartmentHistory	Employee department transfers.
HumanResources.EmployeePayHistory	Employee pay history.
HumanResources.EmployeesCategory	
HumanResources.JobCandidate	Résumés submitted to Human Resources by job applicants.
HumanResources.Shift	Work shift lookup table.
Person.Address	Street address information for customers, employees, and vendors.
Person.AddressType	Types of addresses stored in the Address table.
Person.BusinessEntity	Source of the ID that connects vendors, customers, and employees with address and contact information.
Person.BusinessEntityAddress	Cross-reference table mapping customers, vendors, and employees to their addresses.
Person.BusinessEntityContact	Cross-reference table mapping stores, vendors, and employees to people
Person.ContactType	Lookup table containing the types of business entity contacts.
Person.CountryRegion	Lookup table containing the ISO standard codes for countries and regions.
Person.EmailAddress	Where to send a person email.
Person.Password	One way hashed authentication information
Person.Person	Human beings involved with AdventureWorks: employees, customer contacts, and vendor contacts.
Person.PersonPhone	Telephone number and type of a person.
Person.PhoneNumberType	Type of phone number of a person.
Person.StateProvince	State and province lookup table.
Production.BillOfMaterials	Items required to make bicycles and bicycle subassemblies. It identifies the heirarchical relationship between a parent product and its components.
Production.Culture	Lookup table containing the languages in which some AdventureWorks data is stored.
Production.Document	Product maintenance documents.
Production.Illustration	Bicycle assembly diagrams.
Production.Location	Product inventory and manufacturing locations.

Production.Product	Products sold or used in the manufacturing of sold products.
Production.ProductCategory	High-level product categorization.
Production.ProductCostHistory	Changes in the cost of a product over time.
Production.ProductDescription	Product descriptions in several languages.
Production.ProductDocument	Cross-reference table mapping products to related product documents.
Production.ProductInventory	Product inventory information.
Production.ProductListPriceHistory	Changes in the list price of a product over time.
Production.ProductModel	Product model classification.
Production.ProductModelIllustration	Cross-reference table mapping product models and illustrations.
Production.ProductModelProductDescriptionCulture	Cross-reference table mapping product descriptions and the language the description is written in.
Production.ProductPhoto	Product images.
Production.ProductProductPhoto	Cross-reference table mapping products and product photos.
Production.ProductReview	Customer reviews of products they have purchased.
Production.ProductSubcategory	Product subcategories. See ProductCategory table.
Production.ScrapReason	Manufacturing failure reasons lookup table.
Production.TransactionHistory	Record of each purchase order, sales order, or work order transaction year to date.
Production.TransactionHistoryArchive	Transactions for previous years.
Production.UnitMeasure	Unit of measure lookup table.
Production.WorkOrder	
Production.WorkOrderRouting	
Purchasing.ProductVendor	Cross-reference table mapping vendors with the products they supply.
Purchasing.PurchaseOrderDetail	Individual products associated with a specific purchase order. See PurchaseOrderHeader.
Purchasing.PurchaseOrderHeader	General purchase order information. See PurchaseOrderDetail.
Purchasing.ShipMethod	Shipping company lookup table.
Purchasing.Vendor	Companies from whom Adventure Works Cycles purchases parts or other goods.
Sales.CountryRegionCurrency	Cross-reference table mapping ISO currency codes to a country or region.
Sales.CreditCard	Customer credit card information.
Sales.Currency	Lookup table containing standard ISO currencies.
Sales.CurrencyRate	Currency exchange rates.
Sales.Customer	Current customer information. Also see the Person and Store tables.
Sales.PersonCreditCard	Cross-reference table mapping people to their credit card information in the CreditCard table.
Sales.SalesOrderDetail	Individual products associated with a specific sales order. See SalesOrderHeader.
Sales.SalesOrderHeader	General sales order information.
Sales.SalesOrderHeaderSalesReason	Cross-reference table mapping sales orders to sales reason codes.
Sales.SalesPerson	Sales representative current information.
Sales.SalesPersonQuotaHistory	Sales performance tracking.
Sales.SalesReason	Lookup table of customer purchase reasons.

Sales.SalesTaxRate	Tax rate lookup table.
Sales.SalesTerritory	Sales territory lookup table.
Sales.SalesTerritoryHistory	Sales representative transfers to other sales territories.
Sales.ShoppingCartItem	Contains online customer orders until the order is submitted or cancelled.
Sales.SpecialOffer	Sale discounts lookup table.
Sales.SpecialOfferProduct	Cross-reference table mapping products to special offer discounts.
Sales.Store	Customers (resellers) of Adventure Works products.

dbo.AWBuildVersion


Description

Current version number of the AdventureWorks 2025 sample database.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	1
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:11 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	SystemInformationID	tinyint	1	3	0	True	1 - 1			False	False	Primary key for AWBuildVersion records.
	Database Version	nvarchar	25	0	0	True				False	False	Version number of the database in 9.yy.mm.dd.00 format.
	VersionDate	datetime	8	23	3	True				False	False	Date and time the record was last updated.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
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	PK_AWBuildVersion_SystemInformationID	SystemInformationID	True		
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SQL Script

```

CREATE TABLE dbo.AWBuildVersion (
  SystemInformationID tinyint IDENTITY,
  [Database Version] nvarchar(25) NOT NULL,
  VersionDate datetime NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_AWBuildVersion_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_AWBuildVersion_SystemInformationID PRIMARY KEY CLUSTERED (SystemInformationID)
)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Current version number of the AdventureWorks
2025 sample database.', 'SCHEMA', N'dbo', 'TABLE', N'AWBuildVersion'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for AWBuildVersion records.', 'SCHEMA', N'dbo', 'TABLE',
N'AWBuildVersion', 'COLUMN', N'SystemInformationID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Version number of the database in 9.yy.mm.dd.
00 format.', 'SCHEMA', N'dbo', 'TABLE', N'AWBuildVersion', 'COLUMN', N'Database Version'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'dbo', 'TABLE', N'AWBuildVersion', 'COLUMN', N'VersionDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'dbo', 'TABLE', N'AWBuildVersion', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 1

 AdventureWorks2025

Used By

No items found

dbo.DatabaseLog


Description

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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	True
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	942
Created	11/14/2025 1:01:06 PM
Last Modified	11/14/2025 1:01:12 PM

Columns 8

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	DatabaseLogID	int	4	10	0	True	1 - 1			False	False	Primary key for DatabaseLog records.
	PostTime	datetime	8	23	3	True				False	False	The date and time the DDL change occurred.
	DatabaseUser	sysname	128	0	0	True				False	False	The user who implemented the DDL change.
	Event	sysname	128	0	0	True				False	False	The type of DDL statement that was executed.
	Schema	sysname	128	0	0	False				False	False	The schema to which the changed object belongs.
	Object	sysname	128	0	0	False				False	False	The object that was changed by the DDL statement.
	TSQL	nvarchar		0	0	True				False	False	The exact Transact-SQL statement that was executed.

	XmlEvent	xml		0	0	True				False	False	The raw XML data generated by database trigger.
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Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_DatabaseLog_DatabaseLogID	DatabaseLogID	True		

SQL Script

```

CREATE TABLE dbo.DatabaseLog (
    DatabaseLogID int IDENTITY,
    PostTime datetime NOT NULL,
    DatabaseUser sysname NOT NULL,
    Event sysname NOT NULL,
    [Schema] sysname NULL,
    Object sysname NULL,
    TSQL nvarchar(max) NOT NULL,
    XmlEvent xml NOT NULL,
    CONSTRAINT PK_DatabaseLog_DatabaseLogID PRIMARY KEY NONCLUSTERED (DatabaseLogID)
)
ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Audit table tracking all DDL changes made&
nbsp;to the AdventureWorks database. Data is captured by the database&
nbsp;trigger ddlDatabaseTriggerLog.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for DatabaseLog records.', 'SCHEMA', N'dbo', 'TABLE', N
'DatabaseLog', 'COLUMN', N'DatabaseLogID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The date and time the DDL change
occurred.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog', 'COLUMN', N'PostTime'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The user who implemented the DDL change.', 'SCHEMA', N'dbo', 'TABLE'
, N'DatabaseLog', 'COLUMN', N'DatabaseUser'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The type of DDL statement that was
executed.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog', 'COLUMN', N'Event'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The schema to which the changed object
belongs.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog', 'COLUMN', N'Schema'
GO


EXEC sys.sp_addextendedproperty N'MS_Description', N'The object that was changed by the DDL&
nbsp;statement.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog', 'COLUMN', N'Object'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The exact Transact-SQL statement that was
executed.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog', 'COLUMN', N'TSQL'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The raw XML data generated by database
trigger.', 'SCHEMA', N'dbo', 'TABLE', N'DatabaseLog', 'COLUMN', N'XmlEvent'
GO

```

Depends On 1

 AdventureWorks2025

Used By

No items found

dbo.ErrorLog


Description

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.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	0
Created	11/14/2025 1:01:06 PM
Last Modified	11/14/2025 1:01:06 PM

Columns 9

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ErrorLogID	int	4	10	0	True	1 - 1			False	False	Primary key for ErrorLog records.
	ErrorTime	datetime	8	23	3	True			(getdate())	False	False	The date and time at which the error occurred.
	UserName	sysname	128	0	0	True				False	False	The user who executed the batch in which the error occurred.
	ErrorNumber	int	4	10	0	True				False	False	The error number of the error that occurred.
	ErrorSeverity	int	4	10	0	False				False	False	The severity of the error that occurred.
	ErrorState	int	4	10	0	False				False	False	The state number of the error that occurred.

	ErrorProcedure	nvarchar	126	0	0	False				False	False	The name of the stored procedure or trigger where the error occurred.
	ErrorLine	int	4	10	0	False				False	False	The line number at which the error occurred.
	ErrorMessage	nvarchar	4000	0	0	True				False	False	The message text of the error that occurred.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_ErrorLog_ErrorLogID	ErrorLogID	True		

SQL Script

```

CREATE TABLE dbo.ErrorLog (
  ErrorLogID int IDENTITY,
  ErrorTime datetime NOT NULL CONSTRAINT DF_ErrorLog_ErrorTime DEFAULT (getdate()),
  UserName sysname NOT NULL,
  ErrorNumber int NOT NULL,
  ErrorSeverity int NULL,
  ErrorState int NULL,
  ErrorProcedure nvarchar(126) NULL,
  ErrorLine int NULL,
  ErrorMessage nvarchar(4000) NOT NULL,
  CONSTRAINT PK_ErrorLog_ErrorLogID PRIMARY KEY CLUSTERED (ErrorLogID)
)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Audit table tracking errors in the
AdventureWorks database that are caught by the CATCH block of a
&nbsp;TRY...CATCH construct. Data is inserted by stored procedure dbo.
uspLogError when it is executed from inside the CATCH block of&
&nbsp;a TRY...CATCH construct.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ErrorLog records.', 'SCHEMA', N'dbo', 'TABLE', N'Er
rorLog', 'COLUMN', N'ErrorLogID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The date and time at which the error&
&nbsp;occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'ErrorTime'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The user who executed the batch in which&
&nbsp;the error occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'UserName'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The error number of the error that
occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'ErrorNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The severity of the error that occurred.', 'SCHEMA', N'dbo', 'TABLE'
, N'ErrorLog', 'COLUMN', N'ErrorSeverity'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The state number of the error that
occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'ErrorState'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The name of the stored procedure or
trigger where the error occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'ErrorProcedure'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The line number at which the error
occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'ErrorLine'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'The message text of the error that occurred.', 'SCHEMA', N'dbo', 'TABLE', N'ErrorLog', 'COLUMN', N'ErrorMessage'  
GO
```

Depends On ¹

 AdventureWorks2025

Used By ¹

 [dbo.uspLogError](#)

HumanResources.BusinessEntity

Description

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	True
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	20777
Created	2/7/2026 8:13:09 AM
Last Modified	2/7/2026 8:13:09 AM



Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	rowguid	varchar	512	0	0	False				False	False	
	ModifiedDate	varchar	512	0	0	False				False	False	
	BusinessEntityID	varchar	512	0	0	False				False	False	

SQL Script

```
CREATE TABLE HumanResources.BusinessEntity (  
    rowguid varchar(512) NULL,  
    ModifiedDate varchar(512) NULL,  
    BusinessEntityID varchar(512) NULL  
)  
ON [PRIMARY]  
GO
```

Depends On 2

-  AdventureWorks2025
-  HumanResources

Used By

No items found

HumanResources.Department



Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	16
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	DepartmentID	smallint	2	5	0	True	1 - 1			False	False	Primary key for Department records.
	Name	dbo.Name	50	0	0	True				False	False	Name of the department.
	GroupName	dbo.Name	50	0	0	True				False	False	Name of the group to which the department belongs.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_Department_Name	Name	True		
	PK_Department_DepartmentID	DepartmentID	True		

SQL Script

```
CREATE TABLE HumanResources.Department (
    DepartmentID smallint IDENTITY,
    Name dbo.Name NOT NULL,
    GroupName dbo.Name NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Department_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Department_DepartmentID PRIMARY KEY CLUSTERED (DepartmentID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Department_Name
    ON HumanResources.Department (Name)
    ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Lookup table containing the departments within&
nbsp;the Adventure Works Cycles company.', 'SCHEMA', N'HumanResources', 'TABLE', N'Department'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Department records.', 'SCHEMA', N'HumanResources',
'TABLE', N'Department', 'COLUMN', N'DepartmentID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the department.', 'SCHEMA', N'HumanResources', 'TABLE', N'D
epartment', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the group to which the
department belongs.', 'SCHEMA', N'HumanResources', 'TABLE', N'Department', 'COLUMN', N'GroupName'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'HumanResources', 'TABLE', N'Department', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 3

-  AdventureWorks2025
-  HumanResources
-  dbo.Name

Used By 3

-  HumanResources.EmployeeDepartmentHistory
-  HumanResources.vEmployeeDepartment
-  HumanResources.vEmployeeDepartmentHistory

HumanResources.Employee









Description

Employee information such as salary, department, and title.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	290
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 16

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Primary key for Employee records. Foreign key to BusinessEntity.BusinessEntityID.
	NationalIDNumber	nvarchar	15	0	0	True				False	False	Unique national identification number such as a social security number.
	LoginID	nvarchar	256	0	0	True				False	False	Network login.
	OrganizationNode	hierarchyid	892	0	0	False				False	False	Where the employee is located in corporate hierarchy.
	OrganizationLevel	smallint	2	5	0	False				True	False	The depth of the employee in the corporate hierarchy.
	JobTitle	nvarchar	50	0	0	True				False	False	Work title such as Buyer or Sales Representative.
	BirthDate	date	3	10	0	True				False	False	Date of birth.
	MaritalStatus	nchar	1	0	0	True				False	False	M = Married, S = Single
	Gender	nchar	1	0	0	True				False	False	M = Male, F = Female
	HireDate	date	3	10	0	True				False	False	Employee hired on this date.

	SalariedFlag	dbo.Flag	1	1	0	True		(1)	False	False	Job classification. 0 = Hourly, not exempt from collective bargaining. 1 = Salaried, exempt from collective bargaining.
[目]	VacationHours	smallint	2	5	0	True		(0)	False	False	Number of available vacation hours.
[目]	SickLeaveHours	smallint	2	5	0	True		(0)	False	False	Number of available sick leave hours.
	CurrentFlag	dbo.Flag	1	1	0	True		(1)	False	False	0 = Inactive, 1 = Active
🗑️	rowguid	uniqueidentifier	16	0	0	True		(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True		(getdate())	False	False	Date and time the record was last updated.

Computed Columns ¹

Name	Definition
OrganizationLevel	(([OrganizationNode].[GetLevel]()))

Indexes ⁶

Key	Name	Columns	Unique	Type	Description
	AK_Employee_LoginID	LoginID	True		
	AK_Employee_NationalIDNumber	NationalIDNumber	True		
	AK_Employee_rowguid	rowguid	True		
	IX_Employee_OrganizationLevel_OrganizationNode	OrganizationLevel, OrganizationNode	False		
	IX_Employee_OrganizationNode	OrganizationNode	False		
🔑	PK_Employee_BusinessEntityID	BusinessEntityID	True		

Triggers ¹

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
dEmployee	True	True	INSTEAD OF DELETE	True	

Check Constraints ⁶

Name	Columns	Condition	Description
CK_Employee_BirthDate	BirthDate	(([BirthDate]>='1930-01-01' AND [BirthDate]<=dateadd(year, (-18),getdate()))	
CK_Employee_Gender	Gender	(upper([Gender])='F' OR upper([Gender])='M')	
CK_Employee_HireDate	HireDate	(([HireDate]>='1996-07-01' AND [HireDate]<=dateadd(day, (1),getdate()))	
CK_Employee_MaritalStatus	MaritalStatus	(upper([MaritalStatus])='S' OR upper([MaritalStatus])='M')	
CK_Employee_SickLeaveHours	SickLeaveHours	(([SickLeaveHours]>=(0) AND [SickLeaveHours]<=(120))	
CK_Employee_VacationHours	VacationHours	(([VacationHours]>=(-40) AND [VacationHours]<=(240))	

Foreign Keys ¹

Name	Columns	Description
------	---------	-------------


```

IF @@TRANCOUNT > 0
BEGIN
    ROLLBACK TRANSACTION;
END
END;
GO

ALTER TABLE HumanResources.Employee
    ADD CONSTRAINT FK_Employee_Person_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.Person (
        BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee information such as salary, department,&
nbsp;and title.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Employee records. Foreign&
nbsp;key to BusinessEntity.BusinessEntityID.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Unique national identification number such as
a social security number.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'NationalIDNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Network login.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN',
N'LoginID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Where the employee is located in corporate&
nbsp;hierarchy.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'OrganizationNode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The depth of the employee in the
corporate hierarchy.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'OrganizationLevel'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Work title such as Buyer or Sales
Representative.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'JobTitle'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date of birth.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN',
N'BirthDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'M = Married, S = Single', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee',
'COLUMN', N'MaritalStatus'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'M = Male, F = Female', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'CO
LUMN', N'Gender'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee hired on this date.', 'SCHEMA', N'HumanResources', 'TABLE', N'Emplo
yee', 'COLUMN', N'HireDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Job classification. 0 = Hourly, not exempt&
nbsp;from collective bargaining. 1 = Salaried, exempt from collective
bargaining.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'SalariedFlag'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Number of available vacation hours.', 'SCHEMA', N'HumanResources', 'TABLE', N
'Employee', 'COLUMN', N'VacationHours'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Number of available sick leave hours.', 'SCHEMA', N'HumanResources', 'TABLE',
N'Employee', 'COLUMN', N'SickLeaveHours'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Inactive, 1 = Active', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee',
'COLUMN', N'CurrentFlag'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'rowguid'
GO


















EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'HumanResources', 'TABLE', N'Employee', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 4

-  AdventureWorks2025
-  HumanResources
-  Person.Person
-  dbo.Flag

Used By 17

-  dbo.uspGetEmployeeManagers
-  dbo.uspGetManagerEmployees
-  HumanResources.uspUpdateEmployeeHireInfo
-  HumanResources.uspUpdateEmployeeLogin
-  HumanResources.uspUpdateEmployeePersonalInfo
-  HumanResources.EmployeeDepartmentHistory
-  HumanResources.EmployeePayHistory
-  HumanResources.JobCandidate
-  Production.Document
-  Purchasing.PurchaseOrderHeader
-  Sales.SalesPerson
-  dbo.ufnGetContactInformation
-  HumanResources.vEmployee
-  HumanResources.vEmployeeDepartment
-  HumanResources.vEmployeeDepartmentHistory
-  Sales.vSalesPerson
-  Sales.vSalesPersonSalesByFiscalYears

HumanResources.EmployeeDepartmentHistory





Description


Employee department transfers.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	296
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Employee identification number. Foreign key to Employee.BusinessEntityID.
	DepartmentID	smallint	2	5	0	True				False	False	Department in which the employee worked including currently. Foreign key to Department.DepartmentID.
	ShiftID	tinyint	1	3	0	True				False	False	Identifies which 8-hour shift the employee works. Foreign key to Shift.Shift.ID.
	StartDate	date	3	10	0	True				False	False	Date the employee started work in the department.

	EndDate	date	3	10	0	False				False	False	Date the employee left the department. NULL = Current department.
	ModifiedDate	datetime	8	23	3	True		(getdate())	False	False		Date and time the record was last updated.

Indexes ³

Key	Name	Columns	Unique	Type	Description
	IX_EmployeeDepartmentHistory_DepartmentID	DepartmentID	False		
	IX_EmployeeDepartmentHistory_ShiftID	ShiftID	False		
	PK_EmployeeDepartmentHistory_BusinessEntityID_StartDate_DepartmentID	BusinessEntityID, StartDate, DepartmentID, ShiftID	True		

Check Constraints ¹

Name	Columns	Condition	Description
CK_EmployeeDepartmentHistory_EndDate	EndDate, StartDate	([EndDate]>=[StartDate] OR [EndDate] IS NULL)	

Foreign Keys ³

Name	Columns	Description
FK_EmployeeDepartmentHistory_Department_DepartmentID	DepartmentID	
FK_EmployeeDepartmentHistory_Employee_BusinessEntityID	BusinessEntityID	
FK_EmployeeDepartmentHistory_Shift_ShiftID	ShiftID	

SQL Script

```

CREATE TABLE HumanResources.EmployeeDepartmentHistory (
    BusinessEntityID int NOT NULL,
    DepartmentID smallint NOT NULL,
    ShiftID tinyint NOT NULL,
    StartDate date NOT NULL,
    EndDate date NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_EmployeeDepartmentHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_EmployeeDepartmentHistory_BusinessEntityID_StartDate_DepartmentID PRIMARY KEY CLUSTERED (
        BusinessEntityID, StartDate, DepartmentID, ShiftID),
    CONSTRAINT CK_EmployeeDepartmentHistory_EndDate CHECK ([EndDate]>=[StartDate] OR [EndDate] IS NULL)
)
ON [PRIMARY]
GO

CREATE INDEX IX_EmployeeDepartmentHistory_DepartmentID
ON HumanResources.EmployeeDepartmentHistory (DepartmentID)
ON [PRIMARY]
GO

CREATE INDEX IX_EmployeeDepartmentHistory_ShiftID
ON HumanResources.EmployeeDepartmentHistory (ShiftID)
ON [PRIMARY]
GO

ALTER TABLE HumanResources.EmployeeDepartmentHistory
ADD CONSTRAINT FK_EmployeeDepartmentHistory_Department_DepartmentID FOREIGN KEY (DepartmentID) REFERENCES
HumanResources.Department (DepartmentID)
GO

ALTER TABLE HumanResources.EmployeeDepartmentHistory
ADD CONSTRAINT FK_EmployeeDepartmentHistory_Employee_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES
HumanResources.Employee (BusinessEntityID)

```

```

GO

ALTER TABLE HumanResources.EmployeeDepartmentHistory
  ADD CONSTRAINT FK_EmployeeDepartmentHistory_Shift_ShiftID FOREIGN KEY (ShiftID) REFERENCES HumanResources.Shift (
  ShiftID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee department transfers.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee identification number. Foreign key to Employee.BusinessEntityID.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Department in which the employee worked including currently. Foreign key to Department.DepartmentID.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory', 'COLUMN', N'DepartmentID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Identifies which 8-hour shift the employee works. Foreign key to Shift.ShiftID.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory', 'COLUMN', N'ShiftID'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the employee started work in the department.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory', 'COLUMN', N'StartDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the employee left the department. NULL or = Current department.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory', 'COLUMN', N'EndDate'
GO



EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeeDepartmentHistory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 5

-  AdventureWorks2025
-  HumanResources
-  HumanResources.Department
-  HumanResources.Employee
-  HumanResources.Shift

Used By 2

-  HumanResources.vEmployeeDepartment
-  HumanResources.vEmployeeDepartmentHistory

HumanResources.EmployeePayHistory

Description

Employee pay history.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	316
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Employee identification number. Foreign key to Employee.BusinessEntityID.
	RateChangeDate	datetime	8	23	3	True				False	False	Date the change in pay is effective
	Rate	money	8	19	4	True				False	False	Salary hourly rate.
	PayFrequency	tinyint	1	3	0	True				False	False	1 = Salary received monthly, 2 = Salary received biweekly
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	PK_EmployeePayHistory_BusinessEntityID_RateChangeDate	BusinessEntityID, RateChangeDate	True		
--	---	----------------------------------	------	--	--

Check Constraints 2

Name	Columns	Condition	Description
CK_EmployeePayHistory_PayFrequency	PayFrequency	(([PayFrequency]=(2) OR [PayFrequency]=(1))	
CK_EmployeePayHistory_Rate	Rate	(([Rate]>=(6.50) AND [Rate]<=(200.00))	

Foreign Keys 1

Name	Columns	Description
FK_EmployeePayHistory_Employee_BusinessEntityID	BusinessEntityID	

SQL Script

```

CREATE TABLE HumanResources.EmployeePayHistory (
    BusinessEntityID int NOT NULL,
    RateChangeDate datetime NOT NULL,
    Rate money NOT NULL,
    PayFrequency tinyint NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_EmployeePayHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_EmployeePayHistory_BusinessEntityID_RateChangeDate PRIMARY KEY CLUSTERED (BusinessEntityID,
    RateChangeDate),
    CONSTRAINT CK_EmployeePayHistory_PayFrequency CHECK ([PayFrequency]=(2) OR [PayFrequency]=(1)),
    CONSTRAINT CK_EmployeePayHistory_Rate CHECK ([Rate]>=(6.50) AND [Rate]<=(200.00))
)
ON [PRIMARY]
GO

ALTER TABLE HumanResources.EmployeePayHistory
    ADD CONSTRAINT FK_EmployeePayHistory_Employee_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES
    HumanResources.Employee (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee pay history.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeePayHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee identification number. Foreign key to&
nbsp;Employee.BusinessEntityID.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeePayHistory', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the change in pay is effective', 'SCHEMA', N'HumanResources',
'TABLE', N'EmployeePayHistory', 'COLUMN', N'RateChangeDate'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Salary hourly rate.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeePayHistory', 'COLUMN', N'Rate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'1 = Salary received monthly, 2 = Salary&
nbsp;received biweekly', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeePayHistory', 'COLUMN', N'PayFrequency'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'HumanResources', 'TABLE', N'EmployeePayHistory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  HumanResources
-  HumanResources.Employee

Used By 1

 [HumanResources.uspUpdateEmployeeHireInfo](#)

HumanResources.EmployeesCategory

Description

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	True
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	290
Created	2/9/2026 4:30:26 PM
Last Modified	2/9/2026 4:30:26 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	False				False	False	
	OrganizationLevel	int	4	10	0	False				False	False	
	JobTitle	nvarchar	50	0	0	False				False	False	
	HireDate	date	3	10	0	False				False	False	
	EmployeeCategory	nvarchar	20	0	0	False				False	False	

SQL Script

```
CREATE TABLE HumanResources.EmployeesCategory (  
    BusinessEntityID int NULL,  
    OrganizationLevel int NULL,  
    JobTitle nvarchar(50) NULL,  
    HireDate date NULL,  
    EmployeeCategory nvarchar(20) NULL  
)  
ON [PRIMARY]  
GO
```

Depends On 2

 AdventureWorks2025

 HumanResources

Used By

No items found

HumanResources.JobCandidate

Description


Résumés submitted to Human Resources by job applicants.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	AW2025FullTextCatalog
Full Text	PK_JobCandidate_JobCandidateID
Compression	NONE
Row Count (~)	13
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 4

Indexes 2

Key	Name	Columns	Unique	Type	Description
	IX_JobCandidate_BusinessEntityID	BusinessEntityID	False		
	PK_JobCandidate_JobCandidateID	JobCandidateID	True		

Foreign Keys 1

Name	Columns	Description
FK_JobCandidate_Employee_BusinessEntityID	BusinessEntityID	

SQL Script

```
CREATE TABLE HumanResources.JobCandidate (
    JobCandidateID int IDENTITY,
    BusinessEntityID int NULL,
    Resume xml (CONTENT HumanResources.HRResumeSchemaCollection) NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_JobCandidate_ModifiedDate DEFAULT (getdate()),
```

```

CONSTRAINT PK_JobCandidate_JobCandidateID PRIMARY KEY CLUSTERED (JobCandidateID)
)
ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

CREATE INDEX IX_JobCandidate_BusinessEntityID
ON HumanResources.JobCandidate (BusinessEntityID)
ON [PRIMARY]
GO

ALTER TABLE HumanResources.JobCandidate
ADD CONSTRAINT FK_JobCandidate_Employee_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES HumanResources
.Employee (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Résumés submitted to Human Resources by job&
nbsp;applicants.', 'SCHEMA', N'HumanResources', 'TABLE', N'JobCandidate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for JobCandidate records.', 'SCHEMA', N'HumanResources', 'TABLE', N'JobCandidate', 'C
OLUMN', N'JobCandidateID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee identification number if applicant was&
nbsp;hired. Foreign key to Employee.BusinessEntityID.', 'SCHEMA', N'HumanResources', 'TABLE', N'JobCandidate', 'COLUMN', N'BusinessEntityID'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Résumé in XML format.', 'SCHEMA', N'HumanResources', 'TABLE', N'JobCandidate', 'COLUMN', N'Resume
'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'HumanResources', 'TABLE', N'JobCandidate', 'COLUMN', N'ModifiedDate'
GO

CREATE FULLTEXT INDEX
ON HumanResources.JobCandidate(Resume LANGUAGE 1033)
KEY INDEX PK_JobCandidate_JobCandidateID
ON AW2025FullTextCatalog
WITH CHANGE_TRACKING AUTO, STOPLIST SYSTEM
GO

```

Depends On 5

-  AdventureWorks2025
-  AW2025FullTextCatalog
-  HumanResources
-  HumanResources.Employee
-  HumanResources.HRRResumeSchemaCollection

Used By 4

-  dbo.uspSearchCandidateResumes
-  HumanResources.vJobCandidate
-  HumanResources.vJobCandidateEducation
-  HumanResources.vJobCandidateEmployment

HumanResources.Shift





Description

Work shift lookup table.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	3
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ShiftID	tinyint	1	3	0	True	1 - 1			False	False	Primary key for Shift records.
	Name	dbo.Name	50	0	0	True				False	False	Shift description.
	StartTime	time	5	16	7	True				False	False	Shift start time.
	EndTime	time	5	16	7	True				False	False	Shift end time.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_Shift_Name	Name	True		
	AK_Shift_StartTime_EndTime	StartTime, EndTime	True		

	PK_Shift_ShiftID	ShiftID	True		
--	------------------	---------	------	--	--

SQL Script

```

CREATE TABLE HumanResources.Shift (
  ShiftID tinyint IDENTITY,
  Name dbo.Name NOT NULL,
  StartTime time NOT NULL,
  EndTime time NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_Shift_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_Shift_ShiftID PRIMARY KEY CLUSTERED (ShiftID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Shift_Name
  ON HumanResources.Shift (Name)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Shift_StartTime_EndTime
  ON HumanResources.Shift (StartTime, EndTime)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Work shift lookup table.', 'SCHEMA', N'HumanResources', 'TABLE', N'
Shift'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Shift records.', 'SCHEMA', N'HumanResources', 'TABL
E', N'Shift', 'COLUMN', N'ShiftID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shift description.', 'SCHEMA', N'HumanResources', 'TABLE', N'Shift',
'COLUMN', N'Name'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Shift start time.', 'SCHEMA', N'HumanResources', 'TABLE', N'Shift',
'COLUMN', N'StartTime'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shift end time.', 'SCHEMA', N'HumanResources', 'TABLE', N'Shift', '
COLUMN', N'EndTime'
GO


EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'HumanResources', 'TABLE', N'Shift', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  HumanResources
-  dbo.Name

Used By 2

-  HumanResources.EmployeeDepartmentHistory
-  HumanResources.vEmployeeDepartmentHistory

Person.Address






Description



Street address information for customers, employees, and vendors.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19614
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 9

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	AddressID	int	4	10	0	True	1 - 1			False	False	Primary key for Address records.
	AddressLine1	nvarchar	60	0	0	True				False	False	First street address line.
	AddressLine2	nvarchar	60	0	0	False				False	False	Second street address line.
	City	nvarchar	30	0	0	True				False	False	Name of the city.
	StateProvinceID	int	4	10	0	True				False	False	Unique identification number for the state or province. Foreign key to StateProvince table.

	PostalCode	nvarchar	15	0	0	True				False	False	Postal code for the street address.
	SpatialLocation	geography		0	0	False				False	False	Latitude and longitude of this address.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 4

Key	Name	Columns	Unique	Type	Description
	AK_Address_rowguid	rowguid	True		
	IX_Address_AddressLine1_AddressLine2_City_StateProvinceID_PostalCode	AddressLine1, AddressLine2, City, StateProvinceID, PostalCode	True		
	IX_Address_StateProvinceID	StateProvinceID	False		
	PK_Address_AddressID	AddressID	True		

Foreign Keys 1

Name	Columns	Description
FK_Address_StateProvince_StateProvinceID	StateProvinceID	

SQL Script

```

CREATE TABLE Person.Address (
  AddressID int IDENTITY NOT FOR REPLICATION,
  AddressLine1 nvarchar(60) NOT NULL,
  AddressLine2 nvarchar(60) NULL,
  City nvarchar(30) NOT NULL,
  StateProvinceID int NOT NULL,
  PostalCode nvarchar(15) NOT NULL,
  SpatialLocation geography NULL,
  rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Address_rowguid DEFAULT (newid()) ROWGUIDCOL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_Address_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_Address_AddressID PRIMARY KEY CLUSTERED (AddressID)
)
ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Address_rowguid
  ON Person.Address (rowguid)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX IX_Address_AddressLine1_AddressLine2_City_StateProvinceID_PostalCode
  ON Person.Address (AddressLine1, AddressLine2, City, StateProvinceID, PostalCode)
ON [PRIMARY]
GO

CREATE INDEX IX_Address_StateProvinceID

```

```

ON Person.Address (StateProvinceID)
ON [PRIMARY]
GO

ALTER TABLE Person.Address
ADD CONSTRAINT FK_Address_StateProvince_StateProvinceID FOREIGN KEY (StateProvinceID) REFERENCES Person.
StateProvince (StateProvinceID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Street address information for customers,
employees, and vendors.', 'SCHEMA', N'Person', 'TABLE', N'Address'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Address records.', 'SCHEMA', N'Person', 'TABLE', N'
Address', 'COLUMN', N'AddressID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'First street address line.', 'SCHEMA', N'Person', 'TABLE', N'Addre
ss', 'COLUMN', N'AddressLine1'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Second street address line.', 'SCHEMA', N'Person', 'TABLE', N'Addre
ss', 'COLUMN', N'AddressLine2'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the city.', 'SCHEMA', N'Person', 'TABLE', N'Address', 'COLU
MN', N'City'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Unique identification number for the state or&
nbsp;province. Foreign key to StateProvince table.', 'SCHEMA', N'Person', 'TABLE', N'Address', 'COLUMN', N'StateProvince
ID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Postal code for the street address.', 'SCHEMA', N'Person', 'TABLE',
N'Address', 'COLUMN', N'PostalCode'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Latitude and longitude of this address.', 'SCHEMA', N'Person', 'TAB
LE', N'Address', 'COLUMN', N'SpatialLocation'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'Address', 'COLUMN', N'rowguid'
GO








EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'Address', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Person
-  Person.StateProvince

Used By 7

-  Person.BusinessEntityAddress
-  Sales.SalesOrderHeader
-  HumanResources.vEmployee
-  Purchasing.vVendorWithAddresses
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithAddresses

Person.AddressType




Description

Types of addresses stored in the Address table.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	6
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	AddressTypeID	int	4	10	0	True	1 - 1			False	False	Primary key for AddressType records.
	Name	dbo.Name	50	0	0	True				False	False	Address type description. For example, Billing, Home, or Shipping.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_AddressType_Name	Name	True		
	AK_AddressType_rowguid	rowguid	True		
	PK_AddressType_AddressTypeID	AddressTypeID	True		

SQL Script

```

CREATE TABLE Person.AddressType (
  AddressTypeID int IDENTITY,
  Name dbo.Name NOT NULL,
  rowguid uniqueidentifier NOT NULL CONSTRAINT DF_AddressType_rowguid DEFAULT (newid()) ROWGUIDCOL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_AddressType_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_AddressType_AddressTypeID PRIMARY KEY CLUSTERED (AddressTypeID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_AddressType_Name
  ON Person.AddressType (Name)
  ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_AddressType_rowguid
  ON Person.AddressType (rowguid)
  ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Types of addresses stored in the Address
table.', 'SCHEMA', N'Person', 'TABLE', N'AddressType'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for AddressType records.', 'SCHEMA', N'Person', 'TABLE',
  N'AddressType', 'COLUMN', N'AddressTypeID'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Address type description. For example, Billing,&
nbsp;Home, or Shipping.', 'SCHEMA', N'Person', 'TABLE', N'AddressType', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'AddressType', 'COLUMN', N'rowguid'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'AddressType', 'COLUMN', N'ModifiedDate'
GO

```

Depends On ³

-  AdventureWorks2025
-  Person
-  dbo.Name

Used By ⁴

-  Person.BusinessEntityAddress
-  Purchasing.vVendorWithAddresses
-  Sales.vIndividualCustomer
-  Sales.vStoreWithAddresses

Person.BusinessEntity



Description

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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	20777
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True	1 - 1			False	False	Primary key for all customers, vendors, and employees.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	AK_BusinessEntity_rowguid	rowguid	True		
	PK_BusinessEntity_BusinessEntityID	BusinessEntityID	True		

SQL Script

```

CREATE TABLE Person.BusinessEntity (
    BusinessEntityID int IDENTITY NOT FOR REPLICATION,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_BusinessEntity_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_BusinessEntity_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_BusinessEntity_BusinessEntityID PRIMARY KEY CLUSTERED (BusinessEntityID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_BusinessEntity_rowguid
ON Person.BusinessEntity (rowguid)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Source of the ID that connects vendors,
customers, and employees with address and contact information.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntity'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for all customers, vendors, and&
nbsp;employees.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntity', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntity', 'COLUMN', N'rowguid'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntity', 'COLUMN', N'ModifiedDate'
GO

```

Depends On ¹

 Person

Used By ⁵

 Person.BusinessEntityAddress
 Person.BusinessEntityContact
 Person.Person
 Purchasing.Vendor
 Sales.Store

Person.BusinessEntityAddress



Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19614
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Primary key. Foreign key to BusinessEntity.BusinessEntityID.
	AddressID	int	4	10	0	True				False	False	Primary key. Foreign key to Address.AddressID.
	AddressTypeID	int	4	10	0	True				False	False	Primary key. Foreign key to AddressType.AddressTypeID.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 4

Key	Name	Columns	Unique	Type	Description
	AK_BusinessEntityAddress_rowguid	rowguid	True		
	IX_BusinessEntityAddress_AddressID	AddressID	False		
	IX_BusinessEntityAddress_AddressTypeID	AddressTypeID	False		
	PK_BusinessEntityAddress_BusinessEntityID_AddressID_AddressTypeID	BusinessEntityID, AddressID, AddressTypeID	True		

Foreign Keys 3

Name	Columns	Description
FK_BusinessEntityAddress_Address_AddressID	AddressID	
FK_BusinessEntityAddress_AddressType_AddressTypeID	AddressTypeID	
FK_BusinessEntityAddress_BusinessEntity_BusinessEntityID	BusinessEntityID	

SQL Script

```

CREATE TABLE Person.BusinessEntityAddress (
    BusinessEntityID int NOT NULL,
    AddressID int NOT NULL,
    AddressTypeID int NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_BusinessEntityAddress_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_BusinessEntityAddress_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_BusinessEntityAddress_BusinessEntityID_AddressID_AddressTypeID PRIMARY KEY CLUSTERED (
        BusinessEntityID, AddressID, AddressTypeID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_BusinessEntityAddress_rowguid
ON Person.BusinessEntityAddress (rowguid)
ON [PRIMARY]
GO

CREATE INDEX IX_BusinessEntityAddress_AddressID
ON Person.BusinessEntityAddress (AddressID)
ON [PRIMARY]
GO

CREATE INDEX IX_BusinessEntityAddress_AddressTypeID
ON Person.BusinessEntityAddress (AddressTypeID)
ON [PRIMARY]
GO

ALTER TABLE Person.BusinessEntityAddress
ADD CONSTRAINT FK_BusinessEntityAddress_Address_AddressID FOREIGN KEY (AddressID) REFERENCES Person.Address (
    AddressID)
GO

ALTER TABLE Person.BusinessEntityAddress
ADD CONSTRAINT FK_BusinessEntityAddress_AddressType_AddressTypeID FOREIGN KEY (AddressTypeID) REFERENCES Person.
    AddressType (AddressTypeID)
GO

ALTER TABLE Person.BusinessEntityAddress
ADD CONSTRAINT FK_BusinessEntityAddress_BusinessEntity_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES
    Person.BusinessEntity (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping customers, vendors,
and employees to their addresses.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityAddress'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to BusinessEntity.
BusinessEntityID.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityAddress', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to Address.AddressID.', 'SCHEMA', N'Person', 'TABL
E', N'BusinessEntityAddress', 'COLUMN', N'AddressID'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to AddressType.
AddressTypeID.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityAddress', 'COLUMN', N'AddressTypeID'
GO
```






```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityAddress', 'COLUMN', N'rowguid'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityAddress', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 4

-  [Person](#)
-  [Person.Address](#)
-  [Person.AddressType](#)
-  [Person.BusinessEntity](#)

Used By 5

-  [HumanResources.vEmployee](#)
-  [Purchasing.vVendorWithAddresses](#)
-  [Sales.vIndividualCustomer](#)
-  [Sales.vSalesPerson](#)
-  [Sales.vStoreWithAddresses](#)

Person.BusinessEntityContact




Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	909
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Primary key. Foreign key to BusinessEntity.BusinessEntityID.
	PersonID	int	4	10	0	True				False	False	Primary key. Foreign key to Person.BusinessEntityID.
	ContactTypeID	int	4	10	0	True				False	False	Primary key. Foreign key to ContactType.ContactTypeID.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 4

Key	Name	Columns	Unique	Type	Description
	AK_BusinessEntityContact_rowguid	rowguid	True		
	IX_BusinessEntityContact_ContactTypeID	ContactTypeID	False		
	IX_BusinessEntityContact_PersonID	PersonID	False		
	PK_BusinessEntityContact_BusinessEntityID_PersonID_ContactTypeID	BusinessEntityID, PersonID, ContactTypeID	True		

Foreign Keys 3

Name	Columns	Description
FK_BusinessEntityContact_BusinessEntity_BusinessEntityID	BusinessEntityID	
FK_BusinessEntityContact_ContactType_ContactTypeID	ContactTypeID	
FK_BusinessEntityContact_Person_PersonID	BusinessEntityID	

SQL Script

```

CREATE TABLE Person.BusinessEntityContact (
    BusinessEntityID int NOT NULL,
    PersonID int NOT NULL,
    ContactTypeID int NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_BusinessEntityContact_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_BusinessEntityContact_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_BusinessEntityContact_BusinessEntityID_PersonID_ContactTypeID PRIMARY KEY CLUSTERED (
        BusinessEntityID, PersonID, ContactTypeID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_BusinessEntityContact_rowguid
ON Person.BusinessEntityContact (rowguid)
ON [PRIMARY]
GO

CREATE INDEX IX_BusinessEntityContact_ContactTypeID
ON Person.BusinessEntityContact (ContactTypeID)
ON [PRIMARY]
GO

CREATE INDEX IX_BusinessEntityContact_PersonID
ON Person.BusinessEntityContact (PersonID)
ON [PRIMARY]
GO

ALTER TABLE Person.BusinessEntityContact
ADD CONSTRAINT FK_BusinessEntityContact_BusinessEntity_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES
Person.BusinessEntity (BusinessEntityID)
GO

ALTER TABLE Person.BusinessEntityContact
ADD CONSTRAINT FK_BusinessEntityContact_ContactType_ContactTypeID FOREIGN KEY (ContactTypeID) REFERENCES Person.
ContactType (ContactTypeID)
GO

ALTER TABLE Person.BusinessEntityContact
ADD CONSTRAINT FK_BusinessEntityContact_Person_PersonID FOREIGN KEY (PersonID) REFERENCES Person.Person (
BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping stores, vendors, and&
nbsp;employees to people', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityContact'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to BusinessEntity.
BusinessEntityID.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityContact', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to Person.
BusinessEntityID.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityContact', 'COLUMN', N'PersonID'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to ContactType.  
ContactTypeID.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityContact', 'COLUMN', N'ContactTypeID'  
GO
```




```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&  
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityContact', 'COLUMN', N'rowguid'  
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Person', 'TABLE', N'BusinessEntityContact', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 4

-  [Person](#)
-  [Person.BusinessEntity](#)
-  [Person.ContactType](#)
-  [Person.Person](#)

Used By 3

-  [dbo.ufnGetContactInformation](#)
-  [Purchasing.vVendorWithContacts](#)
-  [Sales.vStoreWithContacts](#)

Person.ContactType



Description

Lookup table containing the types of business entity contacts.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	20
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ContactTypeID	int	4	10	0	True	1 - 1			False	False	Primary key for ContactType records.
	Name	dbo.Name	50	0	0	True				False	False	Contact type description.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_ContactType_Name	Name	True		
	PK_ContactType_ContactTypeID	ContactTypeID	True		

SQL Script

```

CREATE TABLE Person.ContactType (
  ContactTypeID int IDENTITY,
  Name dbo.Name NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_ContactType_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_ContactType_ContactTypeID PRIMARY KEY CLUSTERED (ContactTypeID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ContactType_Name
  ON Person.ContactType (Name)
  ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Lookup table containing the types of business&
nbsp;entity contacts.', 'SCHEMA', N'Person', 'TABLE', N'ContactType'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ContactType records.', 'SCHEMA', N'Person', 'TABLE',
  N'ContactType', 'COLUMN', N'ContactTypeID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contact type description.', 'SCHEMA', N'Person', 'TABLE', N'Contact
Type', 'COLUMN', N'Name'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'ContactType', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Person
-  dbo.Name

Used By 4

-  Person.BusinessEntityContact
-  dbo.ufnGetContactInformation
-  Purchasing.vVendorWithContacts
-  Sales.vStoreWithContacts

Person.CountryRegion



Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	238
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CountryRegionCode	nvarchar	3	0	0	True				False	False	ISO standard code for countries and regions.
	Name	dbo.Name	50	0	0	True				False	False	Country or region name.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.




Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_CountryRegion_Name	Name	True		
	PK_CountryRegion_CountryRegionCode	CountryRegionCode	True		

SQL Script

```
CREATE TABLE Person.CountryRegion (  
    CountryRegionCode nvarchar(3) NOT NULL,  
    Name dbo.Name NOT NULL,  
    ModifiedDate datetime NOT NULL CONSTRAINT DF_CountryRegion_ModifiedDate DEFAULT (getdate()),  
    CONSTRAINT PK_CountryRegion_CountryRegionCode PRIMARY KEY CLUSTERED (CountryRegionCode)  
)  
ON [PRIMARY]  
GO  
  
CREATE UNIQUE INDEX AK_CountryRegion_Name  
    ON Person.CountryRegion (Name)  
    ON [PRIMARY]  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Lookup table containing the ISO standard  
codes for countries and regions.', 'SCHEMA', N'Person', 'TABLE', N'CountryRegion'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'ISO standard code for countries and regions.&#  
39;', 'SCHEMA', N'Person', 'TABLE', N'CountryRegion', 'COLUMN', N'CountryRegionCode'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Country or region name.', 'SCHEMA', N'Person', 'TABLE', N'CountryRe  
gion', 'COLUMN', N'Name'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Person', 'TABLE', N'CountryRegion', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 3

-  AdventureWorks2025
-  Person
-  dbo.Name

Used By 9

-  Person.StateProvince
-  Sales.CountryRegionCurrency
-  Sales.SalesTerritory
-  HumanResources.vEmployee
-  Person.vStateProvinceCountryRegion
-  Purchasing.vVendorWithAddresses
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithAddresses

Person.EmailAddress





Description

Where to send a person email.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19972
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
 	BusinessEntityID	int	4	10	0	True				False	False	Primary key. Person associated with this email address. Foreign key to Person.BusinessEntityID
	EmailAddressID	int	4	10	0	True	1 - 1			False	False	Primary key. ID of this email address.
	EmailAddress	nvarchar	50	0	0	False				False	False	E-mail address for the person.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes ²

Key	Name	Columns	Unique	Type	Description
	IX_EmailAddress_EmailAddress	EmailAddress	False		
	PK_EmailAddress_BusinessEntityID_EmailAddressID	BusinessEntityID, EmailAddressID	True		

Foreign Keys ¹

Name	Columns	Description
FK_EmailAddress_Person_BusinessEntityID	BusinessEntityID	

SQL Script

```
CREATE TABLE Person.EmailAddress (
    BusinessEntityID int NOT NULL,
    EmailAddressID int IDENTITY,
    EmailAddress nvarchar(50) NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_EmailAddress_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_EmailAddress_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_EmailAddress_BusinessEntityID_EmailAddressID PRIMARY KEY CLUSTERED (BusinessEntityID,
    EmailAddressID)
)
ON [PRIMARY]
GO

CREATE INDEX IX_EmailAddress_EmailAddress
    ON Person.EmailAddress (EmailAddress)
    ON [PRIMARY]
GO

ALTER TABLE Person.EmailAddress
    ADD CONSTRAINT FK_EmailAddress_Person_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.Person (
    BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Where to send a person email.', 'SCHEMA', N'Person', 'TABLE', N'Email
Address'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Person associated with this
email address. Foreign key to Person.BusinessEntityID', 'SCHEMA', N'Person', 'TABLE', N'EmailAddress', 'COLUMN', N'Busine
ssEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. ID of this email address.', 'SCHEMA', N'Person', 'TABLE',
N'EmailAddress', 'COLUMN', N'EmailAddressID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'E-
mail address for the person.', 'SCHEMA', N'Person', 'TABLE', N'EmailAddress', 'COLUMN', N'EmailAddress'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'EmailAddress', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'EmailAddress', 'COLUMN', N'ModifiedDate'
GO
```

Depends On ³


 AdventureWorks2025

 Person

 Person.Person

Used By ⁵



-  HumanResources.vEmployee
-  Purchasing.vVendorWithContacts
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithContacts

Person.Password



Description

One way hashed authentication information

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19972
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	
	PasswordHash	varchar	128	0	0	True				False	False	Password for the e-mail account.
	PasswordSalt	varchar	10	0	0	True				False	False	Random value concatenated with the password string before the password is hashed.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.
--	--------------	----------	---	----	---	------	--	--	-------------	-------	-------	--

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_Password_BusinessEntityID	BusinessEntityID	True		

Foreign Keys 1

Name	Columns	Description
FK_Password_Person_BusinessEntityID	BusinessEntityID	

SQL Script

```

CREATE TABLE Person.Password (
    BusinessEntityID int NOT NULL,
    PasswordHash varchar(128) NOT NULL,
    PasswordSalt varchar(10) NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Password_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Password_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Password_BusinessEntityID PRIMARY KEY CLUSTERED (BusinessEntityID)
)
ON [PRIMARY]
GO

ALTER TABLE Person.Password
    ADD CONSTRAINT FK_Password_Person_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.Person (
        BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'One way hashed authentication information', 'SCHEMA', N'Person', 'TABLE', N'Password'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Password for the e-mail account.', 'SCHEMA', N'Person', 'TABLE', N'Password', 'COLUMN', N'PasswordHash'
GO

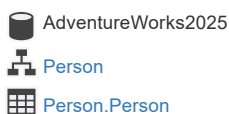
EXEC sys.sp_addextendedproperty N'MS_Description', N'Random value concatenated with the password string before the password is hashed.', 'SCHEMA', N'Person', 'TABLE', N'Password', 'COLUMN', N'PasswordSalt'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'Password', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Person', 'TABLE', N'Password', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3



Used By

No items found

Person.Person

Description


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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19972
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 13

Indexes ⁸

Key	Name	Columns	Unique	Type	Description
	AK_Person_rowguid	rowguid	True		
	IX_Person_LastName_FirstName_MiddleName	LastName, FirstName, MiddleName	False		
	PK_Person_BusinessEntityID	BusinessEntityID	True		
	PXML_Person_AddContact	AdditionalContactInfo	False		
	PXML_Person_Demographics	Demographics	False		
	XMLPATH_Person_Demographics	Demographics	False		
	XMLPROPERTY_Person_Demographics	Demographics	False		
	XMLVALUE_Person_Demographics	Demographics	False		

Triggers ¹

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
iuPerson	True	True	AFTER INSERT, UPDATE	True	

Check Constraints ²

Name	Columns	Condition	Description
CK_Person_EmailPromotion	EmailPromotion	([EmailPromotion]>=(0) AND [EmailPromotion]<=(2))	
CK_Person_PersonType	PersonType	(([PersonType] IS NULL OR (upper([PersonType])='GC' OR upper([PersonType])='SP' OR upper([PersonType])='EM' OR upper([PersonType])='IN' OR upper([PersonType])='VC' OR upper([PersonType])='SC'))	

Foreign Keys ¹

Name	Columns	Description
FK_Person_BusinessEntity_BusinessEntityID	BusinessEntityID	

SQL Script

```

CREATE TABLE Person.Person (
    BusinessEntityID int NOT NULL,
    PersonType nchar(2) NOT NULL,
    NameStyle dbo.NameStyle NOT NULL CONSTRAINT DF_Person_NameStyle DEFAULT (0),
    Title nvarchar(8) NULL,
    FirstName dbo.Name NOT NULL,
    MiddleName dbo.Name NULL,
    LastName dbo.Name NOT NULL,
    Suffix nvarchar(10) NULL,
    EmailPromotion int NOT NULL CONSTRAINT DF_Person_EmailPromotion DEFAULT (0),
    AdditionalContactInfo xml (CONTENT Person.AdditionalContactInfoSchemaCollection) NULL,
    Demographics xml (CONTENT Person.IndividualSurveySchemaCollection) NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Person_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Person_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Person_BusinessEntityID PRIMARY KEY CLUSTERED (BusinessEntityID),
    CONSTRAINT CK_Person_EmailPromotion CHECK ([EmailPromotion]>=(0) AND [EmailPromotion]<=(2)),
    CONSTRAINT CK_Person_PersonType CHECK ([PersonType] IS NULL OR (upper([PersonType])='GC' OR upper([PersonType])=&#
39;SP' OR
upper([PersonType])='EM' OR upper([PersonType])='IN' OR upper([PersonType])='VC' OR upper([PersonType])='SC'))
)
ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE PRIMARY XML INDEX PXML_Person_Demographics
ON Person.Person (Demographics)
GO

CREATE PRIMARY XML INDEX PXML_Person_AddContact
ON Person.Person (AdditionalContactInfo)
GO

CREATE UNIQUE INDEX AK_Person_rowguid
ON Person.Person (rowguid)
ON [PRIMARY]
GO

CREATE INDEX IX_Person_LastName_FirstName_MiddleName
ON Person.Person (LastName, FirstName, MiddleName)
ON [PRIMARY]
GO

CREATE XML INDEX XMLPATH_Person_Demographics
ON Person.Person (Demographics)
USING XML INDEX PXML_Person_Demographics FOR PATH
GO

CREATE XML INDEX XMLPROPERTY_Person_Demographics
ON Person.Person (Demographics)
USING XML INDEX PXML_Person_Demographics FOR PROPERTY
GO

CREATE XML INDEX XMLVALUE_Person_Demographics
ON Person.Person (Demographics)
USING XML INDEX PXML_Person_Demographics FOR VALUE
GO

CREATE OR ALTER TRIGGER Person.iuPerson ON Person.Person
AFTER INSERT, UPDATE NOT FOR REPLICATION AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    IF UPDATE([BusinessEntityID]) OR UPDATE([Demographics])

```

```

BEGIN
    UPDATE [Person].[Person]
    SET [Person].[Person].[Demographics] = N'<IndividualSurvey xmlns="http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey">
    &
    nbsp; <TotalPurchaseYTD>0.00</TotalPurchaseYTD> &
    nbsp; </IndividualSurvey>'
    FROM inserted
    WHERE [Person].[Person].[BusinessEntityID] = inserted.[BusinessEntityID]
    AND inserted.[Demographics] IS NULL;

    UPDATE [Person].[Person]
    SET [Demographics].modify(N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";
    &
    nbsp; insert <TotalPurchaseYTD>0.00</TotalPurchaseYTD>
    into (/IndividualSurvey)[1]#
    39;)
    FROM inserted
    WHERE [Person].[Person].[BusinessEntityID] = inserted.[BusinessEntityID]
    AND inserted.[Demographics] IS NOT NULL
    AND inserted.[Demographics].exist(N'declare default element namespace
    "
    http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";
    &
    nbsp; /IndividualSurvey/
    TotalPurchaseYTD') <> 1;

END;
GO

ALTER TABLE Person.Person
    ADD CONSTRAINT FK_Person_BusinessEntity_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.
BusinessEntity (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Human beings involved with AdventureWorks:
employees, customer contacts, and vendor contacts.', 'SCHEMA', N'Person', 'TABLE', N'Person'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Person records.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'Busin
essEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary type of person: SC = Store
Contact, IN = Individual (retail) customer, SP = Sales person, EM&
nbsp;= Employee (non-sales), VC = Vendor contact, GC = General
contact', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'PersonType'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = The data in FirstName and LastName&
nbsp;are stored in western style (first name, last name) order. &
nbsp;1 = Eastern style (last name, first name) order.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'NameStyle'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'A courtesy title. For example, Mr. or Ms.
', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'Title'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'First name of the person.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'FirstName'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Middle name or middle initial of the
person.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'MiddleName'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Last name of the person.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'LastName'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Surname suffix. For example, Sr. or Jr.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN',
N'Suffix'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Contact does not wish to receive&
nbsp;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.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'EmailPromotion'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Additional contact information about the person&
nbsp;stored in xml format.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'AdditionalContactInfo'
GO








EXEC sys.sp_addextendedproperty N'MS_Description', N'Personal information such as hobbies, and
income collected from online shoppers. Used for sales analysis.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'Demographics'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'rowguid'
GO






















EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'Person', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 7

-  AdventureWorks2025
-  Person
-  Person.BusinessEntity
-  dbo.Name
-  dbo.NameStyle
-  Person.AdditionalContactInfoSchemaCollection
-  Person.IndividualSurveySchemaCollection

Used By 21

-  dbo.uspGetEmployeeManagers
-  dbo.uspGetManagerEmployees
-  HumanResources.Employee
-  Person.BusinessEntityContact
-  Person.EmailAddress
-  Person.Password
-  Person.PersonPhone
-  Sales.Customer
-  Sales.PersonCreditCard
-  Sales.SalesOrderDetail
-  dbo.ufnGetContactInformation
-  HumanResources.vEmployee
-  HumanResources.vEmployeeDepartment
-  HumanResources.vEmployeeDepartmentHistory
-  Person.vAdditionalContactInfo
-  Purchasing.vVendorWithContacts
-  Sales.vIndividualCustomer
-  Sales.vPersonDemographics
-  Sales.vSalesPerson
-  Sales.vSalesPersonSalesByFiscalYears
-  Sales.vStoreWithContacts

Person.PersonPhone

Description


Telephone number and type of a person.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19972
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 4

Indexes 2

Key	Name	Columns	Unique	Type	Description
	IX_PersonPhone_PhoneNumber	PhoneNumber	False		
	PK_PersonPhone_BusinessEntityID_PhoneNumber_PhoneNumberTypeID	BusinessEntityID, PhoneNumber, PhoneNumberTypeID	True		

Foreign Keys 2

Name	Columns	Description
FK_PersonPhone_Person_BusinessEntityID	BusinessEntityID	
FK_PersonPhone_PhoneNumberType_PhoneNumberTypeID	PhoneNumberTypeID	

SQL Script

```

CREATE TABLE Person.PersonPhone (
    BusinessEntityID int NOT NULL,
    PhoneNumber dbo.Phone NOT NULL,
    PhoneNumberTypeID int NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_PersonPhone_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_PersonPhone_BusinessEntityID_PhoneNumber_PhoneNumberTypeID PRIMARY KEY CLUSTERED (BusinessEntityID,
    PhoneNumber, PhoneNumberTypeID)
)
ON [PRIMARY]
GO

CREATE INDEX IX_PersonPhone_PhoneNumber
ON Person.PersonPhone (PhoneNumber)
ON [PRIMARY]
GO

ALTER TABLE Person.PersonPhone
ADD CONSTRAINT FK_PersonPhone_Person_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.Person (
BusinessEntityID)
GO

ALTER TABLE Person.PersonPhone
ADD CONSTRAINT FK_PersonPhone_PhoneNumberType_PhoneNumberTypeID FOREIGN KEY (PhoneNumberTypeID) REFERENCES Person
.PhoneNumberType (PhoneNumberTypeID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Telephone number and type of a person.', 'SCHEMA', N'Person', 'TABLE', N'PersonPhone'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Business entity identification number. Foreign key&
nbsp;to Person.BusinessEntityID.', 'SCHEMA', N'Person', 'TABLE', N'PersonPhone', 'COLUMN', N'BusinessEntityID'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Telephone number identification number.', 'SCHEMA', N'Person', 'TABLE', N'PersonPhone', 'COLUMN', N'PhoneNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Kind of phone number. Foreign key to
PhoneNumberType.PhoneNumberTypeID.', 'SCHEMA', N'Person', 'TABLE', N'PersonPhone', 'COLUMN', N'PhoneNumberTypeID'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'PersonPhone', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 5

-  AdventureWorks2025
-  Person
-  Person.Person
-  Person.PhoneNumberType
-  dbo.Phone

Used By 5

-  HumanResources.vEmployee
-  Purchasing.vVendorWithContacts
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithContacts

Person.PhoneNumberType


Description

Type of phone number of a person.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	3
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	PhoneNumberTypeID	int	4	10	0	True	1 - 1			False	False	Primary key for telephone number type records.
	Name	dbo.Name	50	0	0	True				False	False	Name of the telephone number type
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.




Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_PhoneNumberType_PhoneNumberTypeID	PhoneNumberTypeID	True		

SQL Script

```
CREATE TABLE Person.PhoneNumberType (  
    PhoneNumberTypeID int IDENTITY,  
    Name dbo.Name NOT NULL,  
    ModifiedDate datetime NOT NULL CONSTRAINT DF_PhoneNumberType_ModifiedDate DEFAULT (getdate()),  
    CONSTRAINT PK_PhoneNumberType_PhoneNumberTypeID PRIMARY KEY CLUSTERED (PhoneNumberTypeID)  
)  
ON [PRIMARY]  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Type of phone number of a person.', 'SCHEMA', N'Person', 'TABLE', N'  
'PhoneNumberType'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for telephone number type records.', 'SCHEMA', N'Person', 'TABLE', N'  
'PhoneNumberType', 'COLUMN', N'PhoneNumberTypeID'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the telephone number type', 'SCHEMA', N'Person', 'TABLE', N'  
'PhoneNumberType', 'COLUMN', N'Name'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Person', 'TABLE', N'  
'PhoneNumberType', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 3

-  AdventureWorks2025
-  Person
-  dbo.Name

Used By 6

-  Person.PersonPhone
-  HumanResources.vEmployee
-  Purchasing.vVendorWithContacts
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithContacts

Person.StateProvince

Description

State and province lookup table.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	181
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 8

Indexes 4

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	AK_StateProvince_Name	Name	True		
	AK_StateProvince_rowguid	rowguid	True		
	AK_StateProvince_StateProvinceCode_CountryRegionCode	StateProvinceCode, CountryRegionCode	True		
	PK_StateProvince_StateProvinceID	StateProvinceID	True		

Foreign Keys 2

Name	Columns	Description
FK_StateProvince_CountryRegion_CountryRegionCode	CountryRegionCode	
FK_StateProvince_SalesTerritory_TerritoryID	TerritoryID	

SQL Script

```

CREATE TABLE Person.StateProvince (
    StateProvinceID int IDENTITY,
    StateProvinceCode nchar(3) NOT NULL,
    CountryRegionCode nvarchar(3) NOT NULL,
    IsOnlyStateProvinceFlag dbo.Flag NOT NULL CONSTRAINT DF_StateProvince_IsOnlyStateProvinceFlag DEFAULT (1),
    Name dbo.Name NOT NULL,
    TerritoryID int NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_StateProvince_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_StateProvince_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_StateProvince_StateProvinceID PRIMARY KEY CLUSTERED (StateProvinceID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_StateProvince_Name
ON Person.StateProvince (Name)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_StateProvince_rowguid
ON Person.StateProvince (rowguid)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_StateProvince_StateProvinceCode_CountryRegionCode
ON Person.StateProvince (StateProvinceCode, CountryRegionCode)
ON [PRIMARY]
GO

ALTER TABLE Person.StateProvince
ADD CONSTRAINT FK_StateProvince_CountryRegion_CountryRegionCode FOREIGN KEY (CountryRegionCode) REFERENCES Person
.CountryRegion (CountryRegionCode)
GO

ALTER TABLE Person.StateProvince
ADD CONSTRAINT FK_StateProvince_SalesTerritory_TerritoryID FOREIGN KEY (TerritoryID) REFERENCES Sales.
SalesTerritory (TerritoryID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'State and province lookup table.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for StateProvince records.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN', N'StateProvinceID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ISO standard state or province code.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN', N'StateProvinceCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ISO standard country or region code. Foreign&
nbsp;key to CountryRegion.Countr&
yRegionCode.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN', N'CountryRegionCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = StateProvinceCode exists. 1 =
StateProvinceCode unavailable, using CountryRegionCode.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN', N'IsOnlyStateProvince
Flag'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'State or province description.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'CO
LUMN', N'Name'
GO







```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ID of the territory in which the state&
nbsp;or province is located. Foreign key to SalesTerritory.SalesTerritoryID.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN',
N'TerritoryID'
GO
```









```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN', N'rowguid'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Person', 'TABLE', N'StateProvince', 'COLUMN', N'ModifiedDate'
GO
```

Depends On ⁶

-  AdventureWorks2025
-  Person
-  Person.CountryRegion
-  Sales.SalesTerritory
-  dbo.Flag
-  dbo.Name

Used By ⁸

-  Person.Address
-  Sales.SalesTaxRate
-  HumanResources.vEmployee
-  Person.vStateProvinceCountryRegion
-  Purchasing.vVendorWithAddresses
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithAddresses

Production.BillOfMaterials

Description




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

Properties



Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	2679
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 9

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BillOfMaterialsID	int	4	10	0	True	1 - 1			False	False	Primary key for BillOfMaterials records.
	ProductAssemblyID	int	4	10	0	False				False	False	Parent product identification number. Foreign key to Product.ProductID.
	ComponentID	int	4	10	0	True				False	False	Component identification number. Foreign key to Product.ProductID.
	StartDate	datetime	8	23	3	True			(getdate())	False	False	Date the component started being used in the assembly item.
	EndDate	datetime	8	23	3	False				False	False	Date the component stopped being used in the assembly item.

	UnitMeasureCode	nchar	3	0	0	True				False	False	Standard code identifying the unit of measure for the quantity.
	BOMLevel	smallint	2	5	0	True				False	False	Indicates the depth the component is from its parent (AssemblyID).
	PerAssemblyQty	decimal	5	8	2	True		(1.00)		False	False	Quantity of the component needed to create the assembly.
	ModifiedDate	datetime	8	23	3	True		(getdate())		False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_BillOfMaterials_ProductAssemblyID_ComponentID_StartDate	ProductAssemblyID, ComponentID, StartDate	True		
	IX_BillOfMaterials_UnitMeasureCode	UnitMeasureCode	False		
	PK_BillOfMaterials_BillOfMaterialsID	BillOfMaterialsID	True		

Check Constraints 4

Name	Columns	Condition	Description
CK_BillOfMaterials_BOMLevel	ProductAssemblyID, BOMLevel, PerAssemblyQty	(([ProductAssemblyID] IS NULL AND [BOMLevel]=0) AND [PerAssemblyQty]=1.00) OR [ProductAssemblyID] IS NOT NULL AND [BOMLevel]>=1))	
CK_BillOfMaterials_EndDate	EndDate, StartDate	([EndDate]>[StartDate] OR [EndDate] IS NULL)	
CK_BillOfMaterials_PerAssemblyQty	PerAssemblyQty	([PerAssemblyQty]>=1.00))	
CK_BillOfMaterials_ProductAssemblyID	ProductAssemblyID, ComponentID	(([ProductAssemblyID]<>[ComponentID]))	

Foreign Keys 3

Name	Columns	Description
FK_BillOfMaterials_Product_ComponentID	ProductID	
FK_BillOfMaterials_Product_ProductAssemblyID	ProductID	
FK_BillOfMaterials_UnitMeasure_UnitMeasureCode	UnitMeasureCode	

SQL Script

```
CREATE TABLE Production.BillOfMaterials (
    BillOfMaterialsID int IDENTITY,
    ProductAssemblyID int NULL,
    ComponentID int NOT NULL,
    StartDate datetime NOT NULL CONSTRAINT DF_BillOfMaterials_StartDate DEFAULT (getdate()),
    EndDate datetime NULL,
    UnitMeasureCode nchar(3) NOT NULL,
    BOMLevel smallint NOT NULL,
    PerAssemblyQty decimal(8, 2) NOT NULL CONSTRAINT DF_BillOfMaterials_PerAssemblyQty DEFAULT (1.00),
    ModifiedDate datetime NOT NULL CONSTRAINT DF_BillOfMaterials_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_BillOfMaterials_BillOfMaterialsID PRIMARY KEY NONCLUSTERED (BillOfMaterialsID),
```

```

CONSTRAINT CK_BillofMaterials_BOMLevel CHECK ([ProductAssemblyID] IS NULL AND [BOMLevel]=0) AND [PerAssemblyQty]
=(1.00) OR [ProductAssemblyID] IS NOT NULL AND [BOMLevel]>=(1)),
CONSTRAINT CK_BillofMaterials_EndDate CHECK ([EndDate]>[StartDate] OR [EndDate] IS NULL),
CONSTRAINT CK_BillofMaterials_PerAssemblyQty CHECK ([PerAssemblyQty]>=(1.00)),
CONSTRAINT CK_BillofMaterials_ProductAssemblyID CHECK ([ProductAssemblyID]<>[ComponentID])
)
ON [PRIMARY]
GO

CREATE UNIQUE CLUSTERED INDEX AK_BillofMaterials_ProductAssemblyID_ComponentID_StartDate
ON Production.BillofMaterials (ProductAssemblyID, ComponentID, StartDate)
ON [PRIMARY]
GO

CREATE INDEX IX_BillofMaterials_UnitMeasureCode
ON Production.BillofMaterials (UnitMeasureCode)
ON [PRIMARY]
GO

ALTER TABLE Production.BillofMaterials
ADD CONSTRAINT FK_BillofMaterials_Product_ComponentID FOREIGN KEY (ComponentID) REFERENCES Production.Product (
ProductID)
GO

ALTER TABLE Production.BillofMaterials
ADD CONSTRAINT FK_BillofMaterials_Product_ProductAssemblyID FOREIGN KEY (ProductAssemblyID) REFERENCES Production
.Product (ProductID)
GO

ALTER TABLE Production.BillofMaterials
ADD CONSTRAINT FK_BillofMaterials_UnitMeasure_UnitMeasureCode FOREIGN KEY (UnitMeasureCode) REFERENCES Production
.UnitMeasure (UnitMeasureCode)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Items required to make bicycles and bicycle&
nbsp;subassemblies. It identifies the heirarchical relationship between a
parent product and its components.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for BillofMaterials records.', 'SCHEMA', N'Production',
'TABLE', N'BillofMaterials', 'COLUMN', N'BillofMaterialsID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Parent product identification number. Foreign key&
nbsp;to Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'ProductAssemblyID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Component identification number. Foreign key to&
nbsp;Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'ComponentID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the component started being used in
the assembly item.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'StartDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the component stopped being used in
the assembly item.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'EndDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Standard code identifying the unit of measure&
nbsp;for the quantity.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'UnitMeasureCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Indicates the depth the component is from&
nbsp;its parent (AssemblyID).', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'BOMLevel'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity of the component needed to create&
nbsp;the assembly.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'PerAssemblyQty'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'BillofMaterials', 'COLUMN', N'ModifiedDate'
GO

```

 AdventureWorks2025

 Production

 Production.Product

 Production.UnitMeasure

Used By 2

 dbo.uspGetBillOfMaterials

 dbo.uspGetWhereUsedProductID

Production.Culture



Description

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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	8
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CultureID	nchar	6	0	0	True				False	False	Primary key for Culture records.
	Name	dbo.Name	50	0	0	True				False	False	Culture description.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_Culture_Name	Name	True		
	PK_Culture_CultureID	CultureID	True		

SQL Script

```

CREATE TABLE Production.Culture (
    CultureID nchar(6) NOT NULL,
    Name dbo.Name NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Culture_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Culture_CultureID PRIMARY KEY CLUSTERED (CultureID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Culture_Name
    ON Production.Culture (Name)
    ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Lookup table containing the languages in
which some AdventureWorks data is stored.', 'SCHEMA', N'Production', 'TABLE', N'Culture'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Culture records.', 'SCHEMA', N'Production', 'TABLE',
N'Culture', 'COLUMN', N'CultureID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Culture description.', 'SCHEMA', N'Production', 'TABLE', N'Culture',
'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'Culture', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Production
-  dbo.Name

Used By 1

-  Production.ProductModelProductDescriptionCulture

Production.Document






Description

Product maintenance documents.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	AW2025FullTextCatalog
Full Text	PK_Document_DocumentNode
Compression	NONE
Row Count (~)	12
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 14

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	DocumentNode	hierarchyid	892	0	0	True				False	False	Primary key for Document records.
	DocumentLevel	smallint	2	5	0	False				True	False	Depth in the document hierarchy.
	Title	nvarchar	50	0	0	True				False	False	Title of the document.
	Owner	int	4	10	0	True				False	False	Employee who controls the document. Foreign key to Employee.BusinessEntityID
	FolderFlag	bit	1	1	0	True			(0)	False	False	0 = This is a folder, 1 = This is a document.
	FileName	nvarchar	400	0	0	True				False	False	File name of the document
	FileExtension	nvarchar	8	0	0	True				False	False	File extension indicating the document type. For example, .doc or .txt.
	Revision	nchar	5	0	0	True				False	False	Revision number of the document.

	ChangeNumber	int	4	10	0	True		(0)	False	False	Engineering change approval number.
[目]	Status	tinyint	1	3	0	True			False	False	1 = Pending approval, 2 = Approved, 3 = Obsolete
📄	DocumentSummary	nvarchar		0	0	False			False	False	Document abstract.
📄	Document	varbinary		0	0	False			False	False	Complete document.
🔑	rowguid	uniqueidentifier	16	0	0	True		(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Required for FileStream.
	ModifiedDate	datetime	8	23	3	True		(getdate())	False	False	Date and time the record was last updated.

Computed Columns 1

Name	Definition
DocumentLevel	(([DocumentNode].[GetLevel]()))

Indexes 5

Key	Name	Columns	Unique	Type	Description
	AK_Document_DocumentLevel_DocumentNode	DocumentLevel, DocumentNode	True		
	AK_Document_rowguid	rowguid	True		
	IX_Document_FileName_Revision	FileName, Revision	False		
🔑	PK_Document_DocumentNode	DocumentNode	True		
🔑	UQ__Document__F73921F7248A8848	rowguid	True		

Check Constraints 1

Name	Columns	Condition	Description
CK_Document_Status	Status	(([Status]>=(1) AND [Status]<=(3)))	

Foreign Keys 1

Name	Columns	Description
FK_Document_Employee_Owner	BusinessEntityID	

SQL Script

```

CREATE TABLE Production.Document (
    DocumentNode hierarchyid NOT NULL,
    DocumentLevel AS ([DocumentNode].[GetLevel]() ),
    Title nvarchar(50) NOT NULL,
    Owner int NOT NULL,
    FolderFlag bit NOT NULL CONSTRAINT DF_Document_FolderFlag DEFAULT (0),
    FileName nvarchar(400) NOT NULL,
    FileExtension nvarchar(8) NOT NULL,
    Revision nchar(5) NOT NULL,
    ChangeNumber int NOT NULL CONSTRAINT DF_Document_ChangeNumber DEFAULT (0),
    Status tinyint NOT NULL,
    DocumentSummary nvarchar(max) NULL,
    Document varbinary(max) NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Document_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Document_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Document_DocumentNode PRIMARY KEY CLUSTERED (DocumentNode),
    UNIQUE (rowguid),
    CONSTRAINT CK_Document_Status CHECK (([Status]>=(1) AND [Status]<=(3)) )
)

```

```

ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE UNIQUE INDEX AK_Document_DocumentLevel_DocumentNode
ON Production.Document (DocumentLevel, DocumentNode)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Document_rowguid
ON Production.Document (rowguid)
ON [PRIMARY]
GO

CREATE INDEX IX_Document_FileName_Revision
ON Production.Document (FileName, Revision)
ON [PRIMARY]
GO

ALTER TABLE Production.Document
ADD CONSTRAINT FK_Document_Employee_Owner FOREIGN KEY (Owner) REFERENCES HumanResources.Employee (
BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product maintenance documents.', 'SCHEMA', N'Production', 'TABLE', N'Docum
ent'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Document records.', 'SCHEMA', N'Production', 'TABLE', N'Do
cument', 'COLUMN', N'DocumentNode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Depth in the document hierarchy.', 'SCHEMA', N'Production', 'TABLE', N'Doc
ument', 'COLUMN', N'DocumentLevel'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Title of the document.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'C
OLUMN', N'Title'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee who controls the document. Foreign&
nbsp;key to Employee.BusinessEntityID', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUMN', N'Owner'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = This is a folder, 1 = This
is a document.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUMN', N'FolderFlag'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'File name of the document.', 'SCHEMA', N'Production', 'TABLE', N'Document',
'COLUMN', N'FileName'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'File extension indicating the document type.
For example, .doc or .txt.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUMN', N'FileExtension'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Revision number of the document. ', 'SCHEMA', N'Production', 'TABLE', N'Do
cument', 'COLUMN', N'Revision'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Engineering change approval number.', 'SCHEMA', N'Production', 'TABLE', N'
Document', 'COLUMN', N'ChangeNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'1 = Pending approval, 2 = Approved, 3&
nbsp;= Obsolete', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUMN', N'Status'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Document abstract.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUM
N', N'DocumentSummary'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Complete document.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUM
N', N'Document'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Required for FileStream.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUMN', N'rowguid'

```

GO

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Production', 'TABLE', N'Document', 'COLUMN', N'ModifiedDate'
```





GO

CREATE FULLTEXT INDEX

```
ON Production.Document(DocumentSummary LANGUAGE 1033, Document TYPE COLUMN FileExtension LANGUAGE 1033)  
KEY INDEX PK_Document_DocumentNode  
ON AW2025FullTextCatalog  
WITH CHANGE_TRACKING AUTO, STOPLIST SYSTEM
```

GO

Depends On 4

-  AdventureWorks2025
-  AW2025FullTextCatalog
-  Production
-  HumanResources.Employee

Used By 1

-  Production.ProductDocument

Production.Illustration


Description

Bicycle assembly diagrams.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	5
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	IllustrationID	int	4	10	0	True	1 - 1			False	False	Primary key for Illustration records.
	Diagram	xml		0	0	False				False	False	Illustrations used in manufacturing instructions. Stored as XML.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_Illustration_IllustrationID	IllustrationID	True		

SQL Script

```
CREATE TABLE Production.Illustration (  
  IllustrationID int IDENTITY,  
  Diagram xml NULL,  
  ModifiedDate datetime NOT NULL CONSTRAINT DF_Illustration_ModifiedDate DEFAULT (getdate()),  
  CONSTRAINT PK_Illustration_IllustrationID PRIMARY KEY CLUSTERED (IllustrationID)  
)  
ON [PRIMARY]  
TEXTIMAGE_ON [PRIMARY]  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Bicycle assembly diagrams.', 'SCHEMA', N'Production', 'TABLE', N'Illustration'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Illustration records.', 'SCHEMA', N'Production', 'TABLE', N'Illustration', 'COLUMN', N'IllustrationID'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Illustrations used in manufacturing instructions. Stored as XML.', 'SCHEMA', N'Production', 'TABLE', N'Illustration', 'COLUMN', N'Diagram'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Production', 'TABLE', N'Illustration', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On ¹

 [Production](#)

Used By ¹

 [Production.ProductModelIllustration](#)

Production.Location





Description

Product inventory and manufacturing locations.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	14
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	LocationID	smallint	2	5	0	True	1 - 1			False	False	Primary key for Location records.
	Name	dbo.Name	50	0	0	True				False	False	Location description.
	CostRate	smallmoney	4	10	4	True			(0.00)	False	False	Standard hourly cost of the manufacturing location.
	Availability	decimal	5	8	2	True			(0.00)	False	False	Work capacity (in hours) of the manufacturing location.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	AK_Location_Name	Name	True		
	PK_Location_LocationID	LocationID	True		

Check Constraints 2

Name	Columns	Condition	Description
CK_Location_Availability	Availability	([Availability]>=(0.00))	
CK_Location_CostRate	CostRate	([CostRate]>=(0.00))	

SQL Script

```

CREATE TABLE Production.Location (
  LocationID smallint IDENTITY,
  Name dbo.Name NOT NULL,
  CostRate smallmoney NOT NULL CONSTRAINT DF_Location_CostRate DEFAULT (0.00),
  Availability decimal(8, 2) NOT NULL CONSTRAINT DF_Location_Availability DEFAULT (0.00),
  ModifiedDate datetime NOT NULL CONSTRAINT DF_Location_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_Location_LocationID PRIMARY KEY CLUSTERED (LocationID),
  CONSTRAINT CK_Location_Availability CHECK ([Availability]>=(0.00)),
  CONSTRAINT CK_Location_CostRate CHECK ([CostRate]>=(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Location_Name
  ON Production.Location (Name)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product inventory and manufacturing locations.', 'SCHEMA', N'Production', 'TABLE', N'Location'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Location records.', 'SCHEMA', N'Production', 'TABLE', N'Location', 'COLUMN', N'LocationID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Location description.', 'SCHEMA', N'Production', 'TABLE', N'Location', 'COLUMN', N'Name'
GO

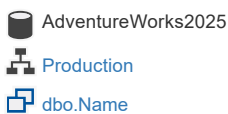
EXEC sys.sp_addextendedproperty N'MS_Description', N'Standard hourly cost of the manufacturing location.', 'SCHEMA', N'Production', 'TABLE', N'Location', 'COLUMN', N'CostRate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Work capacity (in hours) of the manufacturing location.', 'SCHEMA', N'Production', 'TABLE', N'Location', 'COLUMN', N'Availability'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Production', 'TABLE', N'Location', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3



Used By 2



Production.Product

Description


Products sold or used in the manufacturing of sold products.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	504
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 25

Indexes 4

Key	Name	Columns	Unique	Type	Description
	AK_Product_Name	Name	True		
	AK_Product_ProductNumber	ProductNumber	True		
	AK_Product_rowguid	rowguid	True		
	PK_Product_ProductID	ProductID	True		

Check Constraints 10

Name	Columns	Condition	Description
CK_Product_Class	Class	(upper([Class])='H' OR upper([Class])='M' OR upper([Class])='L' OR [Class] IS NULL)	
CK_Product_DaysToManufacture	DaysToManufacture	((DaysToManufacture)>=(0))	
CK_Product_ListPrice	ListPrice	((ListPrice)>=(0.00))	
CK_Product_ProductLine	ProductLine	(upper([ProductLine])='R' OR upper([ProductLine])='M' OR upper([ProductLine])='T' OR upper([ProductLine])='S' OR [ProductLine] IS NULL)	
CK_Product_ReorderPoint	ReorderPoint	((ReorderPoint)>(0))	
CK_Product_SafetyStockLevel	SafetyStockLevel	((SafetyStockLevel)>(0))	
CK_Product_SellEndDate	SellEndDate, SellStartDate	((SellEndDate)>=[SellStartDate] OR [SellEndDate] IS NULL)	
CK_Product_StandardCost	StandardCost	((StandardCost)>=(0.00))	
CK_Product_Style	Style	(upper([Style])='U' OR upper([Style])='M' OR upper([Style])='W' OR [Style] IS NULL)	
CK_Product_Weight	Weight	((Weight)>(0.00))	

Foreign Keys 4

Name	Columns	Description
FK_Product_ProductModel_ProductModelID	ProductModelID	
FK_Product_ProductSubcategory_ProductSubcategoryID	ProductSubcategoryID	
FK_Product_UnitMeasure_SizeUnitMeasureCode	UnitMeasureCode	
FK_Product_UnitMeasure_WeightUnitMeasureCode	UnitMeasureCode	

SQL Script

```

CREATE TABLE Production.Product (
    ProductID int IDENTITY,
    Name dbo.Name NOT NULL,
    ProductNumber nvarchar(25) NOT NULL,
    MakeFlag dbo.Flag NOT NULL CONSTRAINT DF_Product_MakeFlag DEFAULT (1),
    FinishedGoodsFlag dbo.Flag NOT NULL CONSTRAINT DF_Product_FinishedGoodsFlag DEFAULT (1),
    Color nvarchar(15) NULL,
    SafetyStockLevel smallint NOT NULL,
    ReorderPoint smallint NOT NULL,
    StandardCost money NOT NULL,
    ListPrice money NOT NULL,
    Size nvarchar(5) NULL,
    SizeUnitMeasureCode nchar(3) NULL,
    WeightUnitMeasureCode nchar(3) NULL,
    Weight decimal(8, 2) NULL,
    DaysToManufacture int NOT NULL,
    ProductLine nchar(2) NULL,
    Class nchar(2) NULL,
    Style nchar(2) NULL,
    ProductSubcategoryID int NULL,
    ProductModelID int NULL,
    SellStartDate datetime NOT NULL,
    SellEndDate datetime NULL,
    DiscontinuedDate datetime NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Product_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Product_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Product_ProductID PRIMARY KEY CLUSTERED (ProductID),
    CONSTRAINT CK_Product_Class CHECK (upper([Class])='H' OR upper([Class])='M' OR upper([Class])='L' OR [Class] IS NULL),
    CONSTRAINT CK_Product_DaysToManufacture CHECK ([DaysToManufacture]>=(0)),
    CONSTRAINT CK_Product_ListPrice CHECK ([ListPrice]>=(0.00)),
    CONSTRAINT CK_Product_ProductLine CHECK (upper([ProductLine])='R' OR upper([ProductLine])='M' OR upper([ProductLine])=
OR upper([ProductLine])='S' OR [ProductLine] IS NULL),
    CONSTRAINT CK_Product_ReorderPoint CHECK ([ReorderPoint]>(0)),
    CONSTRAINT CK_Product_SafetyStockLevel CHECK ([SafetyStockLevel]>(0)),
    CONSTRAINT CK_Product_SellEndDate CHECK ([SellEndDate]>=[SellStartDate] OR [SellEndDate] IS NULL),
    CONSTRAINT CK_Product_StandardCost CHECK ([StandardCost]>=(0.00)),
    CONSTRAINT CK_Product_Style CHECK (upper([Style])='U' OR upper([Style])='M' OR upper([Style])='W' OR [Style] IS NULL),
    CONSTRAINT CK_Product_Weight CHECK ([Weight]>(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Product_Name
    ON Production.Product (Name)
    ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Product_ProductNumber
    ON Production.Product (ProductNumber)
    ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Product_rowguid
    ON Production.Product (rowguid)
    ON [PRIMARY]
GO

ALTER TABLE Production.Product
    ADD CONSTRAINT FK_Product_ProductModel_ProductModelID FOREIGN KEY (ProductModelID) REFERENCES Production.
ProductModel (ProductModelID)
GO

ALTER TABLE Production.Product
    ADD CONSTRAINT FK_Product_ProductSubcategory_ProductSubcategoryID FOREIGN KEY (ProductSubcategoryID) REFERENCES
Production.ProductSubcategory (ProductSubcategoryID)
GO

ALTER TABLE Production.Product
    ADD CONSTRAINT FK_Product_UnitMeasure_SizeUnitMeasureCode FOREIGN KEY (SizeUnitMeasureCode) REFERENCES Production
.UnitMeasure (UnitMeasureCode)
GO

ALTER TABLE Production.Product
    ADD CONSTRAINT FK_Product_UnitMeasure_WeightUnitMeasureCode FOREIGN KEY (WeightUnitMeasureCode) REFERENCES
Production.UnitMeasure (UnitMeasureCode)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Products sold or used in the manufacturing&
nbsp;of sold products.', 'SCHEMA', N'Production', 'TABLE', N'Product'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Product records.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N
'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the product.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Unique product identification number.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUM
N', N'ProductNumber'
GO

```

```

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Product is purchased, 1 = Product&
nbsp;is manufactured in-house.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'MakeFlag'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Product is not a salable item.
1 = Product is salable.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'FinishedGoodsFlag'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product color.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Color'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Minimum inventory quantity. ', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Saf
etyStockLevel'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Inventory level that triggers a purchase
order or work order. ', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'ReorderPoint'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Standard cost of the product.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'St
andardCost'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Selling price.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'ListPrice'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product size.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Size'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Unit of measure for Size column.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N
'SizeUnitMeasureCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Unit of measure for Weight column.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN',
N'WeightUnitMeasureCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product weight.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Weight'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Number of days required to manufacture the&
nbsp;product.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'DaysToManufacture'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'R = Road, M = Mountain, T = Touring,
S = Standard', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'ProductLine'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'H = High, M = Medium, L = Low', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Cl
ass'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'W = Womens, M = Mens, U = Universal&
#39;', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'Style'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product is a member of this product
subcategory. Foreign key to ProductSubCategory.ProductSubCategoryID.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'ProductSubcateg
oryID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product is a member of this product
model. Foreign key to ProductModel.ProductModelID.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'ProductModelID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the product was available for sale.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'CO
LUMN', N'SellStartDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the product was no longer available
for sale.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'SellEndDate'
GO

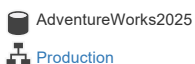
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the product was discontinued.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN',
N'DiscontinuedDate'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'Product', 'COLUMN', N'ModifiedDate'
GO




















```

Depends On 7



-  Production.ProductModel
-  Production.ProductSubcategory
-  Production.UnitMeasure
-  dbo.Flag
-  dbo.Name

Used By 19

-  dbo.uspGetBillOfMaterials
-  dbo.uspGetWhereUsedProductID
-  dbo.ufnGetProductDealerPrice
-  dbo.ufnGetProductListPrice
-  dbo.ufnGetProductStandardCost
-  Production.BillOfMaterials
-  Production.ProductCostHistory
-  Production.ProductDocument
-  Production.ProductInventory
-  Production.ProductListPriceHistory
-  Production.ProductProductPhoto
-  Production.ProductReview
-  Production.TransactionHistory
-  Production.WorkOrder
-  Purchasing.ProductVendor
-  Purchasing.PurchaseOrderDetail
-  Sales.ShoppingCartItem
-  Sales.SpecialOfferProduct
-  Production.vProductAndDescription

Production.ProductCategory




Description

High-level product categorization.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	4
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductCategoryID	int	4	10	0	True	1 - 1			False	False	Primary key for ProductCategory records.
	Name	dbo.Name	50	0	0	True				False	False	Category description.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_ProductCategory_Name	Name	True		
	AK_ProductCategory_rowguid	rowguid	True		
	PK_ProductCategory_ProductCategoryID	ProductCategoryID	True		

SQL Script

```

CREATE TABLE Production.ProductCategory (
    ProductCategoryID int IDENTITY,
    Name dbo.Name NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_ProductCategory_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductCategory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductCategory_ProductCategoryID PRIMARY KEY CLUSTERED (ProductCategoryID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ProductCategory_Name
    ON Production.ProductCategory (Name)
    ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ProductCategory_rowguid
    ON Production.ProductCategory (rowguid)
    ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'High-
level product categorization.', 'SCHEMA', N'Production', 'TABLE', N'ProductCategory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ProductCategory records.', 'SCHEMA', N'Production',
'TABLE', N'ProductCategory', 'COLUMN', N'ProductCategoryID'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Category description.', 'SCHEMA', N'Production', 'TABLE', N'Product
Category', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Production', 'TABLE', N'ProductCategory', 'COLUMN', N'row
guid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductCategory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Production
-  dbo.Name

Used By 1

-  Production.ProductSubcategory

Production.ProductCostHistory





Description

Changes in the cost of a product over time.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	395
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID
	StartDate	datetime	8	23	3	True				False	False	Product cost start date.
	EndDate	datetime	8	23	3	False				False	False	Product cost end date.
	StandardCost	money	8	19	4	True				False	False	Standard cost of the product.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	PK_ProductCostHistory_ProductID_StartDate	ProductID, StartDate	True		
--	---	----------------------	------	--	--

Check Constraints 2

Name	Columns	Condition	Description
CK_ProductCostHistory_EndDate	EndDate, StartDate	([EndDate]>=[StartDate] OR [EndDate] IS NULL)	
CK_ProductCostHistory_StandardCost	StandardCost	([StandardCost]>=(0.00))	

Foreign Keys 1

Name	Columns	Description
FK_ProductCostHistory_Product_ProductID	ProductID	

SQL Script

```

CREATE TABLE Production.ProductCostHistory (
    ProductID int NOT NULL,
    StartDate datetime NOT NULL,
    EndDate datetime NULL,
    StandardCost money NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductCostHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductCostHistory_ProductID_StartDate PRIMARY KEY CLUSTERED (ProductID, StartDate),
    CONSTRAINT CK_ProductCostHistory_EndDate CHECK ([EndDate]>=[StartDate] OR [EndDate] IS NULL),
    CONSTRAINT CK_ProductCostHistory_StandardCost CHECK ([StandardCost]>=(0.00))
)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductCostHistory
    ADD CONSTRAINT FK_ProductCostHistory_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
        ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Changes in the cost of a product over&
nbsp;time.', 'SCHEMA', N'Production', 'TABLE', N'ProductCostHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID', 'SCHEMA', N'Production', 'TABLE', N'ProductCostHistory', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product cost start date.', 'SCHEMA', N'Production', 'TABLE', N'Produ
ctCostHistory', 'COLUMN', N'StartDate'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Product cost end date.', 'SCHEMA', N'Production', 'TABLE', N'Produc
tCostHistory', 'COLUMN', N'EndDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Standard cost of the product.', 'SCHEMA', N'Production', 'TABLE', N
'ProductCostHistory', 'COLUMN', N'StandardCost'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductCostHistory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Production
-  Production.Product

Used By 1

 `dbo.ufnGetProductStandardCost`

Production.ProductDescription



Description

Product descriptions in several languages.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	762
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductDescriptionID	int	4	10	0	True	1 - 1			False	False	Primary key for ProductDescription records.
	Description	nvarchar	400	0	0	True				False	False	Description of the product.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	AK_ProductDescription_rowguid	rowguid	True		
	PK_ProductDescription_ProductDescriptionID	ProductDescriptionID	True		

SQL Script

```

CREATE TABLE Production.ProductDescription (
  ProductDescriptionID int IDENTITY,
  Description nvarchar(400) NOT NULL,
  rowguid uniqueidentifier NOT NULL CONSTRAINT DF_ProductDescription_rowguid DEFAULT (newid()) ROWGUIDCOL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductDescription_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_ProductDescription_ProductDescriptionID PRIMARY KEY CLUSTERED (ProductDescriptionID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ProductDescription_rowguid
  ON Production.ProductDescription (rowguid)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product descriptions in several languages.', 'SCHEMA', N'Production',
  'TABLE', N'ProductDescription'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ProductDescription records.', 'SCHEMA', N'Production',
  'TABLE', N'ProductDescription', 'COLUMN', N'ProductDescriptionID'
GO



EXEC sys.sp_addextendedproperty N'MS_Description', N'Description of the product.', 'SCHEMA', N'Production', 'TABLE', N'Pr
oductDescription', 'COLUMN', N'Description'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Production', 'TABLE', N'ProductDescription', 'COLUMN', N'r
owguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductDescription', 'COLUMN', N'ModifiedDate'
GO

```

Depends On ²

-  AdventureWorks2025
-  Production

Used By ²

-  Production.ProductModelProductDescriptionCulture
-  Production.vProductAndDescription

Production.ProductDocument



Description

Cross-reference table mapping products to related product documents.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	32
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	DocumentNode	hierarchyid	892	0	0	True				False	False	Document identification number. Foreign key to Document.DocumentNode.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_ProductDocument_ProductID_DocumentNode	ProductID, DocumentNode	True		

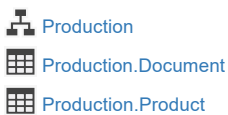
Foreign Keys 2

Name	Columns	Description
FK_ProductDocument_Document_DocumentNode	DocumentNode	
FK_ProductDocument_Product_ProductID	ProductID	

SQL Script

```
CREATE TABLE Production.ProductDocument (  
    ProductID int NOT NULL,  
    DocumentNode hierarchyid NOT NULL,  
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductDocument_ModifiedDate DEFAULT (getdate()),  
    CONSTRAINT PK_ProductDocument_ProductID_DocumentNode PRIMARY KEY CLUSTERED (ProductID, DocumentNode)  
)  
ON [PRIMARY]  
GO  
  
ALTER TABLE Production.ProductDocument  
    ADD CONSTRAINT FK_ProductDocument_Document_DocumentNode FOREIGN KEY (DocumentNode) REFERENCES Production.Document  
    (DocumentNode)  
GO  
  
ALTER TABLE Production.ProductDocument  
    ADD CONSTRAINT FK_ProductDocument_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (  
    ProductID)  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping products to related&  
nbsp;product documents.', 'SCHEMA', N'Production', 'TABLE', N'ProductDocument'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to  
Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'ProductDocument', 'COLUMN', N'ProductID'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Document identification number. Foreign key to&  
nbsp;Document.DocumentNode.', 'SCHEMA', N'Production', 'TABLE', N'ProductDocument', 'COLUMN', N'DocumentNode'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductDocument', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 3



Used By

No items found

Production.ProductInventory





Description

Product inventory information.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	1069
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 7

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	LocationID	smallint	2	5	0	True				False	False	Inventory location identification number. Foreign key to Location.LocationID.
	Shelf	nvarchar	10	0	0	True				False	False	Storage compartment within an inventory location.
	Bin	tinyint	1	3	0	True				False	False	Storage container on a shelf in an inventory location.
	Quantity	smallint	2	5	0	True			(0)	False	False	Quantity of products in the inventory location.

	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes ¹

Key	Name	Columns	Unique	Type	Description
	PK_ProductInventory_ProductID_LocationID	ProductID, LocationID	True		

Check Constraints ²

Name	Columns	Condition	Description
CK_ProductInventory_Bin	Bin	([Bin]>=(0) AND [Bin]<=(100))	
CK_ProductInventory_Shelf	Shelf	([Shelf] like '[A-Za-z]' OR [Shelf]='N/A')	

Foreign Keys ²

Name	Columns	Description
FK_ProductInventory_Location_LocationID	LocationID	
FK_ProductInventory_Product_ProductID	ProductID	

SQL Script

```

CREATE TABLE Production.ProductInventory (
    ProductID int NOT NULL,
    LocationID smallint NOT NULL,
    Shelf nvarchar(10) NOT NULL,
    Bin tinyint NOT NULL,
    Quantity smallint NOT NULL CONSTRAINT DF_ProductInventory_Quantity DEFAULT (0),
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_ProductInventory_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductInventory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductInventory_ProductID_LocationID PRIMARY KEY CLUSTERED (ProductID, LocationID),
    CONSTRAINT CK_ProductInventory_Bin CHECK ([Bin]>=(0) AND [Bin]<=(100)),
    CONSTRAINT CK_ProductInventory_Shelf CHECK ([Shelf] like '[A-Za-z]' OR [Shelf]='N/A')
)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductInventory
    ADD CONSTRAINT FK_ProductInventory_Location_LocationID FOREIGN KEY (LocationID) REFERENCES Production.Location (
        LocationID)
GO

ALTER TABLE Production.ProductInventory
    ADD CONSTRAINT FK_ProductInventory_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
        ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product inventory information.', 'SCHEMA', N'Production', 'TABLE',
N'ProductInventory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Inventory location identification number. Foreign
key to Location.LocationID.', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'LocationID'

```

```
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Storage compartment within an inventory location.&#
39;', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'Shelf'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Storage container on a shelf in an
inventory location.', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'Bin'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity of products in the inventory
location.', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'Quantity'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'ro
wguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductInventory', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 4

-  AdventureWorks2025
-  Production
-  Production.Location
-  Production.Product

Used By 1

-  dbo.ufnGetStock

Production.ProductListPriceHistory





Description

Changes in the list price of a product over time.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	395
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID
	StartDate	datetime	8	23	3	True				False	False	List price start date.
	EndDate	datetime	8	23	3	False				False	False	List price end date
	ListPrice	money	8	19	4	True				False	False	Product list price.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
-----	------	---------	--------	------	-------------

	PK_ProductListPriceHistory_ProductID_StartDate	ProductID, StartDate	True		
--	--	----------------------	------	--	--

Check Constraints 2

Name	Columns	Condition	Description
CK_ProductListPriceHistory_EndDate	EndDate, StartDate	((EndDate)>=[StartDate] OR [EndDate] IS NULL)	
CK_ProductListPriceHistory_ListPrice	ListPrice	((ListPrice)>(0.00))	

Foreign Keys 1

Name	Columns	Description
FK_ProductListPriceHistory_Product_ProductID	ProductID	

SQL Script

```

CREATE TABLE Production.ProductListPriceHistory (
    ProductID int NOT NULL,
    StartDate datetime NOT NULL,
    EndDate datetime NULL,
    ListPrice money NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductListPriceHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductListPriceHistory_ProductID_StartDate PRIMARY KEY CLUSTERED (ProductID, StartDate),
    CONSTRAINT CK_ProductListPriceHistory_EndDate CHECK ([EndDate]>=[StartDate] OR [EndDate] IS NULL),
    CONSTRAINT CK_ProductListPriceHistory_ListPrice CHECK ([ListPrice]>(0.00))
)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductListPriceHistory
    ADD CONSTRAINT FK_ProductListPriceHistory_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product
    (ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Changes in the list price of a product&
nbsp;over time.', 'SCHEMA', N'Production', 'TABLE', N'ProductListPriceHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID', 'SCHEMA', N'Production', 'TABLE', N'ProductListPriceHistory', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'List price start date.', 'SCHEMA', N'Production', 'TABLE', N'ProductLi
stPriceHistory', 'COLUMN', N'StartDate'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'List price end date.', 'SCHEMA', N'Production', 'TABLE', N'ProductLi
stPriceHistory', 'COLUMN', N'EndDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product list price.', 'SCHEMA', N'Production', 'TABLE', N'ProductLi
stPriceHistory', 'COLUMN', N'ListPrice'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductListPriceHistory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Production
-  Production.Product

Used By 2

 `dbo.ufnGetProductDealerPrice`

 `dbo.ufnGetProductListPrice`

Production.ProductModel

Description


Product model classification.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	128
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 6

Indexes 5

Key	Name	Columns	Unique	Type	Description
	AK_ProductModel_Name	Name	True		
	AK_ProductModel_rowguid	rowguid	True		
	PK_ProductModel_ProductModelID	ProductModelID	True		
	PXML_ProductModel_CatalogDescription	CatalogDescription	False		
	PXML_ProductModel_Instructions	Instructions	False		

SQL Script

```

CREATE TABLE Production.ProductModel (
    ProductModelID int IDENTITY,
    Name dbo.Name NOT NULL,
    CatalogDescription xml (CONTENT Production.ProductDescriptionSchemaCollection) NULL,
    Instructions xml (CONTENT Production.ManuInstructionsSchemaCollection) NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_ProductModel_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductModel_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductModel_ProductModelID PRIMARY KEY CLUSTERED (ProductModelID)
)
ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE PRIMARY XML INDEX PXML_ProductModel_Instructions
ON Production.ProductModel (Instructions)
GO

CREATE PRIMARY XML INDEX PXML_ProductModel_CatalogDescription
ON Production.ProductModel (CatalogDescription)
GO

CREATE UNIQUE INDEX AK_ProductModel_Name
ON Production.ProductModel (Name)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ProductModel_rowguid
ON Production.ProductModel (rowguid)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product model classification.', 'SCHEMA', N'Production', 'TABLE', N'ProductModel'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ProductModel records.', 'SCHEMA', N'Production', 'TABLE', N'ProductModel',
'COLUMN', N'ProductModelID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product model description.', 'SCHEMA', N'Production', 'TABLE', N'ProductModel', 'COLUMN',
N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Detailed product catalog information in xml
format.', 'SCHEMA', N'Production', 'TABLE', N'ProductModel', 'COLUMN', N'CatalogDescription'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Manufacturing instructions in xml format.', 'SCHEMA', N'Production', 'TABLE', N'ProductMod
el', 'COLUMN', N'Instructions'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Production', 'TABLE', N'ProductModel', 'COLUMN', N'rowguid'
GO







EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductModel', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 5

-  AdventureWorks2025
-  Production
-  dbo.Name
-  Production.ManuInstructionsSchemaCollection
-  Production.ProductDescriptionSchemaCollection

Used By 6

-  Production.Product
-  Production.ProductModelIllustration
-  Production.ProductModelProductDescriptionCulture
-  Production.vProductAndDescription
-  Production.vProductModelCatalogDescription
-  Production.vProductModelInstructions

Production.ProductModelIllustration



Description

Cross-reference table mapping product models and illustrations.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	7
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductModelID	int	4	10	0	True				False	False	Primary key. Foreign key to ProductModel.ProductModelID.
	IllustrationID	int	4	10	0	True				False	False	Primary key. Foreign key to Illustration.IllustrationID.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_ProductModelIllustration_ProductModelID_IllustrationID	ProductModelID, IllustrationID	True		

Foreign Keys 2

Name	Columns	Description
FK_ProductModelIllustration_Illustration_IllustrationID	IllustrationID	
FK_ProductModelIllustration_ProductModel_ProductModelID	ProductModelID	

SQL Script

```

CREATE TABLE Production.ProductModelIllustration (
  ProductModelID int NOT NULL,
  IllustrationID int NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductModelIllustration_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_ProductModelIllustration_ProductModelID_IllustrationID PRIMARY KEY CLUSTERED (ProductModelID,
  IllustrationID)
)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductModelIllustration
  ADD CONSTRAINT FK_ProductModelIllustration_Illustration_IllustrationID FOREIGN KEY (IllustrationID) REFERENCES
  Production.Illustration (IllustrationID)
GO

ALTER TABLE Production.ProductModelIllustration
  ADD CONSTRAINT FK_ProductModelIllustration_ProductModel_ProductModelID FOREIGN KEY (ProductModelID) REFERENCES
  Production.ProductModel (ProductModelID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping product models and&
nbsp;illustrations.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelIllustration'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to ProductModel.
ProductModelID.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelIllustration', 'COLUMN', N'ProductModelID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to Illustration.
IllustrationID.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelIllustration', 'COLUMN', N'IllustrationID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelIllustration', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  Production
-  Production.Illustration
-  Production.ProductModel

Used By

No items found

Production.ProductModelProductDescriptionCulture

Description


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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	762
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 4

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_ProductModelProductDescriptionCulture_ProductModelID_ProductDescriptionID_CultureID	ProductModelID, ProductDescriptionID, CultureID	True		

Foreign Keys 3

Name	Columns	Description
FK_ProductModelProductDescriptionCulture_Culture_CultureID	CultureID	
FK_ProductModelProductDescriptionCulture_ProductDescription_ProductDescriptionID	ProductDescriptionID	
FK_ProductModelProductDescriptionCulture_ProductModel_ProductModelID	ProductModelID	

SQL Script

```

CREATE TABLE Production.ProductModelProductDescriptionCulture (
    ProductModelID int NOT NULL,
    ProductDescriptionID int NOT NULL,
    CultureID nchar(6) NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductModelProductDescriptionCulture_ModifiedDate DEFAULT (getdate(
)),
    CONSTRAINT PK_ProductModelProductDescriptionCulture_ProductModelID_ProductDescriptionID_CultureID PRIMARY KEY
    CLUSTERED (ProductModelID, ProductDescriptionID, CultureID)
)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductModelProductDescriptionCulture
    ADD CONSTRAINT FK_ProductModelProductDescriptionCulture_Culture_CultureID FOREIGN KEY (CultureID) REFERENCES
    Production.Culture (CultureID)
GO

ALTER TABLE Production.ProductModelProductDescriptionCulture
    ADD CONSTRAINT FK_ProductModelProductDescriptionCulture_ProductDescription_ProductDescriptionID FOREIGN KEY (
    ProductDescriptionID) REFERENCES Production.ProductDescription (ProductDescriptionID)
GO

ALTER TABLE Production.ProductModelProductDescriptionCulture
    ADD CONSTRAINT FK_ProductModelProductDescriptionCulture_ProductModel_ProductModelID FOREIGN KEY (ProductModelID)
    REFERENCES Production.ProductModel (ProductModelID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping product descriptions
and the language the description is written in.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelProductDescriptionCulture'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to ProductModel.
ProductModelID.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelProductDescriptionCulture', 'COLUMN', N'ProductModelID'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to ProductDescription.
ProductDescriptionID.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelProductDescriptionCulture', 'COLUMN', N'ProductDescriptionID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Culture identification number. Foreign key to
Culture.CultureID.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelProductDescriptionCulture', 'COLUMN', N'CultureID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductModelProductDescriptionCulture', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 5

-  AdventureWorks2025
-  Production
-  Production.Culture
-  Production.ProductDescription
-  Production.ProductModel

Used By 1

-  Production.vProductAndDescription

Production.ProductPhoto


Description

Product images.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	101
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductPhotoID	int	4	10	0	True	1 - 1			False	False	Primary key for ProductPhoto records.
	ThumbNailPhoto	varbinary		0	0	False				False	False	Small image of the product.
	ThumbnailPhotoFileName	nvarchar	50	0	0	False				False	False	Small image file name.
	LargePhoto	varbinary		0	0	False				False	False	Large image of the product.
	LargePhotoFileName	nvarchar	50	0	0	False				False	False	Large image file name.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.



Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_ProductPhoto_ProductPhotoID	ProductPhotoID	True		

SQL Script

```
CREATE TABLE Production.ProductPhoto (  
    ProductPhotoID int IDENTITY,  
    ThumbnailPhoto varbinary(max) NULL,  
    ThumbnailPhotoFileName nvarchar(50) NULL,  
    LargePhoto varbinary(max) NULL,  
    LargePhotoFileName nvarchar(50) NULL,  
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductPhoto_ModifiedDate DEFAULT (getdate()),  
    CONSTRAINT PK_ProductPhoto_ProductPhotoID PRIMARY KEY CLUSTERED (ProductPhotoID)  
)  
ON [PRIMARY]  
TEXTIMAGE_ON [PRIMARY]  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Product images.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ProductPhoto records.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto', 'COLUMN', N'ProductPhotoID'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Small image of the product.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto', 'COLUMN', N'ThumbnailPhoto'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Small image file name.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto', 'COLUMN', N'ThumbnailPhotoFileName'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Large image of the product.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto', 'COLUMN', N'LargePhoto'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Large image file name.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto', 'COLUMN', N'LargePhotoFileName'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductPhoto', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 2

 AdventureWorks2025
 Production

Used By 1

 Production.ProductProductPhoto

Production.ProductProductPhoto

Description

Cross-reference table mapping products and product photos.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	True
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	504
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	ProductPhotoID	int	4	10	0	True				False	False	Product photo identification number. Foreign key to ProductPhoto.ProductPhotoID.
	Primary	dbo.Flag	1	1	0	True			(0)	False	False	0 = Photo is not the principal image. 1 = Photo is the principal image.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_ProductProductPhoto_ProductID_ProductPhotoID	ProductID, ProductPhotoID	True		

Foreign Keys ²

Name	Columns	Description
FK_ProductProductPhoto_Product_ProductID	ProductID	
FK_ProductProductPhoto_ProductPhoto_ProductPhotoID	ProductPhotoID	

SQL Script

```
CREATE TABLE Production.ProductProductPhoto (
    ProductID int NOT NULL,
    ProductPhotoID int NOT NULL,
    [Primary] dbo.Flag NOT NULL CONSTRAINT DF_ProductProductPhoto_Primary DEFAULT (0),
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductProductPhoto_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductProductPhoto_ProductID_ProductPhotoID PRIMARY KEY NONCLUSTERED (ProductID, ProductPhotoID)
)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductProductPhoto
    ADD CONSTRAINT FK_ProductProductPhoto_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
    ProductID)
GO

ALTER TABLE Production.ProductProductPhoto
    ADD CONSTRAINT FK_ProductProductPhoto_ProductPhoto_ProductPhotoID FOREIGN KEY (ProductPhotoID) REFERENCES
    Production.ProductPhoto (ProductPhotoID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping products and product&
nbsp;photos.', 'SCHEMA', N'Production', 'TABLE', N'ProductProductPhoto'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'ProductProductPhoto', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product photo identification number. Foreign key&
nbsp;to ProductPhoto.ProductPhotoID.', 'SCHEMA', N'Production', 'TABLE', N'ProductProductPhoto', 'COLUMN', N'ProductPhot
oID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Photo is not the principal image.&
nbsp;1 = Photo is the principal image.', 'SCHEMA', N'Production', 'TABLE', N'ProductProductPhoto', 'COLUMN', N'Primary'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductProductPhoto', 'COLUMN', N'ModifiedDate'
GO
```

Depends On ⁴



Used By

No items found

Production.ProductReview





Description

Customer reviews of products they have purchased.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	AW2025FullTextCatalog
Full Text	PK_ProductReview_ProductReviewID
Compression	NONE
Row Count (~)	4
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 8

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductReviewID	int	4	10	0	True	1 - 1			False	False	Primary key for ProductReview records.
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	ReviewerName	dbo.Name	50	0	0	True				False	False	Name of the reviewer.
	ReviewDate	datetime	8	23	3	True			(getdate())	False	False	Date review was submitted.
	EmailAddress	nvarchar	50	0	0	True				False	False	Reviewer's e-mail address.
	Rating	int	4	10	0	True				False	False	Product rating given by the reviewer. Scale is 1 to 5 with 5 as the highest rating.

	Comments	nvarchar	3850	0	0	False				False	False	Reviewer's comments
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes ²

Key	Name	Columns	Unique	Type	Description
	IX_ProductReview_ProductID_Name	ProductID, ReviewerName	False		
	PK_ProductReview_ProductReviewID	ProductReviewID	True		

Check Constraints ¹

Name	Columns	Condition	Description
CK_ProductReview_Rating	Rating	([Rating]>=(1) AND [Rating]<=(5))	

Foreign Keys ¹

Name	Columns	Description
FK_ProductReview_Product_ProductID	ProductID	

SQL Script

```

CREATE TABLE Production.ProductReview (
    ProductReviewID int IDENTITY,
    ProductID int NOT NULL,
    ReviewerName dbo.Name NOT NULL,
    ReviewDate datetime NOT NULL CONSTRAINT DF_ProductReview_ReviewDate DEFAULT (getdate()),
    EmailAddress nvarchar(50) NOT NULL,
    Rating int NOT NULL,
    Comments nvarchar(3850) NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductReview_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductReview_ProductReviewID PRIMARY KEY CLUSTERED (ProductReviewID),
    CONSTRAINT CK_ProductReview_Rating CHECK ([Rating]>=(1) AND [Rating]<=(5))
)
ON [PRIMARY]
GO

CREATE INDEX IX_ProductReview_ProductID_Name
ON Production.ProductReview (ProductID, ReviewerName)
INCLUDE (Comments)
ON [PRIMARY]
GO

ALTER TABLE Production.ProductReview
ADD CONSTRAINT FK_ProductReview_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Customer reviews of products they have
purchased.', 'SCHEMA', N'Production', 'TABLE', N'ProductReview'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ProductReview records.', 'SCHEMA', N'Production', '
TABLE', N'ProductReview', 'COLUMN', N'ProductReviewID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'ProductReview', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the reviewer.', 'SCHEMA', N'Production', 'TABLE', N'Product
Review', 'COLUMN', N'ReviewerName'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date review was submitted.', 'SCHEMA', N'Production', 'TABLE', N'ProductReview', 'COLUMN', N'ReviewDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Reviewer's e-mail address.', 'SCHEMA', N'Production', 'TABLE', N'ProductReview', 'COLUMN', N'EmailAddress'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Product rating given by the reviewer. Scale&nbsp;is 1 to 5 with 5 as the highest rating.', 'SCHEMA', N'Production', 'TABLE', N'ProductReview', 'COLUMN', N'Rating'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Reviewer's comments', 'SCHEMA', N'Production', 'TABLE', N'ProductReview', 'COLUMN', N'Comments'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductReview', 'COLUMN', N'ModifiedDate'
GO

CREATE FULLTEXT INDEX
ON Production.ProductReview(Comments LANGUAGE 1033)
KEY INDEX PK_ProductReview_ProductReviewID
ON AW2025FullTextCatalog
WITH CHANGE_TRACKING AUTO, STOPLIST SYSTEM
GO
```

Depends On 5

-  AdventureWorks2025
-  AW2025FullTextCatalog
-  Production
-  Production.Product
-  dbo.Name

Used By

No items found

Production.ProductSubcategory

Description


Product subcategories. See ProductCategory table.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	37
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 5

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_ProductSubcategory_Name	Name	True		
	AK_ProductSubcategory_rowguid	rowguid	True		
	PK_ProductSubcategory_ProductSubcategoryID	ProductSubcategoryID	True		

Foreign Keys 1

Name	Columns	Description
FK_ProductSubcategory_ProductCategory_ProductCategoryID	ProductCategoryID	

SQL Script

```

CREATE TABLE Production.ProductSubcategory (
    ProductSubcategoryID int IDENTITY,
    ProductCategoryID int NOT NULL,
    Name dbo.Name NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_ProductSubcategory_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductSubcategory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ProductSubcategory_ProductSubcategoryID PRIMARY KEY CLUSTERED (ProductSubcategoryID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ProductSubcategory_Name
    ON Production.ProductSubcategory (Name)
    ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ProductSubcategory_rowguid
    ON Production.ProductSubcategory (rowguid)
    ON [PRIMARY]
GO

ALTER TABLE Production.ProductSubcategory
    ADD CONSTRAINT FK_ProductSubcategory_ProductCategory_ProductCategoryID FOREIGN KEY (ProductCategoryID) REFERENCES
    Production.ProductCategory (ProductCategoryID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product subcategories. See ProductCategory table.', 'SCHEMA', N'Production', 'TABLE',
, N'ProductSubcategory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ProductSubcategory records.', 'SCHEMA', N'Production', 'TABLE', N'P
roductSubcategory', 'COLUMN', N'ProductSubcategoryID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product category identification number. Foreign
key to ProductCategory.ProductCategoryID.', 'SCHEMA', N'Production', 'TABLE', N'ProductSubcategory', 'COLUMN', N'ProductCategoryID'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Subcategory description.', 'SCHEMA', N'Production', 'TABLE', N'ProductSubcategory',
'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Production', 'TABLE', N'ProductSubcategory', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'ProductSubcategory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 4

-  AdventureWorks2025
-  Production
-  Production.ProductCategory
-  dbo.Name

Used By 1

-  Production.Product

Production.ScrapReason



Description

Manufacturing failure reasons lookup table.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	16
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ScrapReasonID	smallint	2	5	0	True	1 - 1			False	False	Primary key for ScrapReason records.
	Name	dbo.Name	50	0	0	True				False	False	Failure description.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_ScrapReason_Name	Name	True		
	PK_ScrapReason_ScrapReasonID	ScrapReasonID	True		

SQL Script

```

CREATE TABLE Production.ScrapReason (
  ScrapReasonID smallint IDENTITY,
  Name dbo.Name NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_ScrapReason_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_ScrapReason_ScrapReasonID PRIMARY KEY CLUSTERED (ScrapReasonID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ScrapReason_Name
  ON Production.ScrapReason (Name)
  ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Manufacturing failure reasons lookup table.', 'SCHEMA', N'Production', 'TABLE', N'ScrapReason'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ScrapReason records.', 'SCHEMA', N'Production', 'TABLE', N'ScrapReason', 'COLUMN', N'ScrapReasonID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Failure description.', 'SCHEMA', N'Production', 'TABLE', N'ScrapReason', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Production', 'TABLE', N'ScrapReason', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Production
-  dbo.Name

Used By 1

-  Production.WorkOrder

Production.TransactionHistory





Description

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

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	113443
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 9

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	TransactionID	int	4	10	0	True	100000 - 1			False	False	Primary key for TransactionHistory records.
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	ReferenceOrderID	int	4	10	0	True				False	False	Purchase order, sales order, or work order identification number.
	ReferenceOrderLineID	int	4	10	0	True			(0)	False	False	Line number associated with the purchase order, sales order, or work order.

	TransactionDate	datetime	8	23	3	True			(getdate())	False	False	Date and time of the transaction.
[目]	TransactionType	nchar	1	0	0	True				False	False	W = WorkOrder, S = SalesOrder, P = PurchaseOrder
	Quantity	int	4	10	0	True				False	False	Product quantity.
	ActualCost	money	8	19	4	True				False	False	Product cost.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	IX_TransactionHistory_ProductID	ProductID	False		
	IX_TransactionHistory_ReferenceOrderID_ReferenceOrderLineID	ReferenceOrderID, ReferenceOrderLineID	False		
	PK_TransactionHistory_TransactionID	TransactionID	True		

Check Constraints 1

Name	Columns	Condition	Description
CK_TransactionHistory_TransactionType	TransactionType	(upper([TransactionType])='P' OR upper([TransactionType])='S' OR upper([TransactionType])='W')	

Foreign Keys 1

Name	Columns	Description
FK_TransactionHistory_Product_ProductID	ProductID	

SQL Script

```

CREATE TABLE Production.TransactionHistory (
    TransactionID int IDENTITY (100000, 1),
    ProductID int NOT NULL,
    ReferenceOrderID int NOT NULL,
    ReferenceOrderLineID int NOT NULL CONSTRAINT DF_TransactionHistory_ReferenceOrderLineID DEFAULT (0),
    TransactionDate datetime NOT NULL CONSTRAINT DF_TransactionHistory_TransactionDate DEFAULT (getdate()),
    TransactionType nchar(1) NOT NULL,
    Quantity int NOT NULL,
    ActualCost money NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_TransactionHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_TransactionHistory_TransactionID PRIMARY KEY CLUSTERED (TransactionID),
    CONSTRAINT CK_TransactionHistory_TransactionType CHECK (upper([TransactionType])='P' OR upper([TransactionType])=&#
39;S' OR
upper([TransactionType])='W')
)
ON [PRIMARY]
GO

CREATE INDEX IX_TransactionHistory_ProductID
ON Production.TransactionHistory (ProductID)
ON [PRIMARY]
GO

CREATE INDEX IX_TransactionHistory_ReferenceOrderID_ReferenceOrderLineID
ON Production.TransactionHistory (ReferenceOrderID, ReferenceOrderLineID)
ON [PRIMARY]
GO

```

```

ALTER TABLE Production.TransactionHistory
  ADD CONSTRAINT FK_TransactionHistory_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Record of each purchase order, sales order,&
nbsp;or work order transaction year to date.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for TransactionHistory records.', 'SCHEMA', N'Productio
n', 'TABLE', N'TransactionHistory', 'COLUMN', N'TransactionID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistory', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Purchase order, sales order, or work order&
nbsp;identification number.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistory', 'COLUMN', N'ReferenceOrderID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Line number associated with the purchase
order, sales order, or work order.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistory', 'COLUMN', N'ReferenceOrder
LineID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time of the transaction.', 'SCHEMA', N'Production', 'TABLE'
, N'TransactionHistory', 'COLUMN', N'TransactionDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'W = WorkOrder, S = SalesOrder, P =
PurchaseOrder', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistory', 'COLUMN', N'TransactionType'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Product quantity.', 'SCHEMA', N'Production', 'TABLE', N'Transaction
History', 'COLUMN', N'Quantity'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product cost.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHist
ory', 'COLUMN', N'ActualCost'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Production
-  Production.Product

Used By 3

-  Production.WorkOrder
-  Purchasing.PurchaseOrderDetail
-  Sales.SalesOrderDetail

Production.TransactionHistoryArchive






Description

Transactions for previous years.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	89253
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:15 PM

Columns 9

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	TransactionID	int	4	10	0	True				False	False	Primary key for TransactionHistoryArchive records.
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	ReferenceOrderID	int	4	10	0	True				False	False	Purchase order, sales order, or work order identification number.
	ReferenceOrderLineID	int	4	10	0	True			(0)	False	False	Line number associated with the purchase order, sales order, or work order.
	TransactionDate	datetime	8	23	3	True			(getdate())	False	False	Date and time of the transaction.
	TransactionType	nchar	1	0	0	True				False	False	W = Work Order, S = Sales Order, P = Purchase Order

	Quantity	int	4	10	0	True				False	False	Product quantity.
	ActualCost	money	8	19	4	True				False	False	Product cost.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	IX_TransactionHistoryArchive_ProductID	ProductID	False		
	IX_TransactionHistoryArchive_ReferenceOrderID_ReferenceOrderLineID	ReferenceOrderID, ReferenceOrderLineID	False		
	PK_TransactionHistoryArchive_TransactionID	TransactionID	True		

Check Constraints 1

Name	Columns	Condition	Description
CK_TransactionHistoryArchive_TransactionType	TransactionType	(upper([TransactionType])='P' OR upper([TransactionType])='S' OR upper([TransactionType])='W')	

SQL Script

```

CREATE TABLE Production.TransactionHistoryArchive (
    TransactionID int NOT NULL,
    ProductID int NOT NULL,
    ReferenceOrderID int NOT NULL,
    ReferenceOrderLineID int NOT NULL CONSTRAINT DF_TransactionHistoryArchive_ReferenceOrderLineID DEFAULT (0),
    TransactionDate datetime NOT NULL CONSTRAINT DF_TransactionHistoryArchive_TransactionDate DEFAULT (getdate()),
    TransactionType nchar(1) NOT NULL,
    Quantity int NOT NULL,
    ActualCost money NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_TransactionHistoryArchive_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_TransactionHistoryArchive_TransactionID PRIMARY KEY CLUSTERED (TransactionID),
    CONSTRAINT CK_TransactionHistoryArchive_TransactionType CHECK (upper([TransactionType])='P' OR upper([TransactionType])='S' OR upper([TransactionType])='W')
)
ON [PRIMARY]
GO

CREATE INDEX IX_TransactionHistoryArchive_ProductID
ON Production.TransactionHistoryArchive (ProductID)
ON [PRIMARY]
GO

CREATE INDEX IX_TransactionHistoryArchive_ReferenceOrderID_ReferenceOrderLineID
ON Production.TransactionHistoryArchive (ReferenceOrderID, ReferenceOrderLineID)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Transactions for previous years.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for TransactionHistoryArchive records.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive', 'COLUMN', N'TransactionID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to Product.ProductID.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Purchase order, sales order, or work order identification number.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive', 'COLUMN', N'ReferenceOrderID'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Line number associated with the purchase
order, sales order, or work order.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive', 'COLUMN', N'Reference
OrderLineID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time of the transaction.', 'SCHEMA', N'Production', 'TABLE',
N'TransactionHistoryArchive', 'COLUMN', N'TransactionDate'
GO

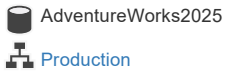
EXEC sys.sp_addextendedproperty N'MS_Description', N'W = Work Order, S = Sales Order, P&
nbsp;= Purchase Order', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive', 'COLUMN', N'TransactionType'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product quantity.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHi
storyArchive', 'COLUMN', N'Quantity'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product cost.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistor
yArchive', 'COLUMN', N'ActualCost'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Production', 'TABLE', N'TransactionHistoryArchive', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 2



Used By

No items found

Production.UnitMeasure



Description

Unit of measure lookup table.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	38
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	UnitMeasureCode	nchar	3	0	0	True				False	False	Primary key.
	Name	dbo.Name	50	0	0	True				False	False	Unit of measure description.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.




Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_UnitMeasure_Name	Name	True		
	PK_UnitMeasure_UnitMeasureCode	UnitMeasureCode	True		



SQL Script

```
CREATE TABLE Production.UnitMeasure (  
    UnitMeasureCode nchar(3) NOT NULL,  
    Name dbo.Name NOT NULL,  
    ModifiedDate datetime NOT NULL CONSTRAINT DF_UnitMeasure_ModifiedDate DEFAULT (getdate()),  
    CONSTRAINT PK_UnitMeasure_UnitMeasureCode PRIMARY KEY CLUSTERED (UnitMeasureCode)  
)  
ON [PRIMARY]  
GO  
  
CREATE UNIQUE INDEX AK_UnitMeasure_Name  
    ON Production.UnitMeasure (Name)  
    ON [PRIMARY]  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Unit of measure lookup table.', 'SCHEMA', N'Production', 'TABLE', N'  
UnitMeasure'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key.', 'SCHEMA', N'Production', 'TABLE', N'UnitMeasure', 'C  
OLUMN', N'UnitMeasureCode'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Unit of measure description.', 'SCHEMA', N'Production', 'TABLE', N'  
UnitMeasure', 'COLUMN', N'Name'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Production', 'TABLE', N'UnitMeasure', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 3

-  AdventureWorks2025
-  Production
-  dbo.Name

Used By 3

-  Production.BillOfMaterials
-  Production.Product
-  Purchasing.ProductVendor








Production.WorkOrder

Description

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	72591
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 10


Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	WorkOrderID	int	4	10	0	True	1 - 1			False	False	
	ProductID	int	4	10	0	True				False	False	
	OrderQty	int	4	10	0	True				False	False	
	StockedQty	int	4	10	0	True				True	False	
	ScrappedQty	smallint	2	5	0	True				False	False	
	StartDate	datetime	8	23	3	True				False	False	
	EndDate	datetime	8	23	3	False				False	False	
	DueDate	datetime	8	23	3	True				False	False	
	ScrapReasonID	smallint	2	5	0	False				False	False	

	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	
--	--------------	----------	---	----	---	------	--	--	-------------	-------	-------	--

Computed Columns ¹

Name	Definition
StockedQty	(isnull([OrderQty]-[ScrappedQty],(0)))

Indexes ³

Key	Name	Columns	Unique	Type	Description
	IX_WorkOrder_ProductID	ProductID	False		
	IX_WorkOrder_ScrapReasonID	ScrapReasonID	False		
	PK_WorkOrder_WorkOrderID	WorkOrderID	True		

Triggers ²

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
iWorkOrder	True	True	AFTER INSERT	False	
uWorkOrder	True	True	AFTER UPDATE	False	

Check Constraints ³

Name	Columns	Condition	Description
CK_WorkOrder_EndDate	EndDate, StartDate	([EndDate]>=[StartDate] OR [EndDate] IS NULL)	
CK_WorkOrder_OrderQty	OrderQty	([OrderQty]>(0))	
CK_WorkOrder_ScrappedQty	ScrappedQty	([ScrappedQty]>=(0))	

Foreign Keys ²

Name	Columns	Description
FK_WorkOrder_Product_ProductID	ProductID	
FK_WorkOrder_ScrapReason_ScrapReasonID	ScrapReasonID	

SQL Script

```

CREATE TABLE Production.WorkOrder (
    WorkOrderID int IDENTITY,
    ProductID int NOT NULL,
    OrderQty int NOT NULL,
    StockedQty AS (isnull([OrderQty]-[ScrappedQty],(0))),
    ScrappedQty smallint NOT NULL,
    StartDate datetime NOT NULL,
    EndDate datetime NULL,
    DueDate datetime NOT NULL,
    ScrapReasonID smallint NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_WorkOrder_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_WorkOrder_WorkOrderID PRIMARY KEY CLUSTERED (WorkOrderID),
    CONSTRAINT CK_WorkOrder_EndDate CHECK ([EndDate]>=[StartDate] OR [EndDate] IS NULL),
    CONSTRAINT CK_WorkOrder_OrderQty CHECK ([OrderQty]>(0)),
    CONSTRAINT CK_WorkOrder_ScrappedQty CHECK ([ScrappedQty]>=(0))
)
ON [PRIMARY]
GO

CREATE INDEX IX_WorkOrder_ProductID
ON Production.WorkOrder (ProductID)

```

```

ON [PRIMARY]
GO

CREATE INDEX IX_WorkOrder_ScrapReasonID
ON Production.WorkOrder (ScrapReasonID)
ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER Production.iWorkOrder ON Production.WorkOrder
AFTER INSERT AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        INSERT INTO [Production].[TransactionHistory](
            [ProductID]
            ,[ReferenceOrderID]
            ,[TransactionType]
            ,[TransactionDate]
            ,[Quantity]
            ,[ActualCost])
        SELECT
            inserted.[ProductID]
            ,inserted.[WorkOrderID]
            ,'W'
            ,GETDATE()
            ,inserted.[OrderQty]
            ,0
        FROM inserted;
    END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspPrintError];

        -- Rollback any active or uncommittable transactions before
        -- inserting information in the ErrorLog
        IF @@TRANCOUNT > 0
            BEGIN
                ROLLBACK TRANSACTION;
            END

        EXECUTE [dbo].[uspLogError];
    END CATCH;
END;
GO
CREATE OR ALTER TRIGGER Production.uWorkOrder ON Production.WorkOrder
AFTER UPDATE AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        IF UPDATE([ProductID]) OR UPDATE([OrderQty])
            BEGIN
                INSERT INTO [Production].[TransactionHistory](
                    [ProductID]
                    ,[ReferenceOrderID]
                    ,[TransactionType]
                    ,[TransactionDate]
                    ,[Quantity])
                SELECT
                    inserted.[ProductID]
                    ,inserted.[WorkOrderID]
                    ,'W'
                    ,GETDATE()
            END
    END TRY

```

```

        ,inserted.[OrderQty]
    FROM inserted;
END;
END TRY
BEGIN CATCH
    EXECUTE [dbo].[uspPrintError];

    -- Rollback any active or uncommittable transactions before
    -- inserting information in the ErrorLog
    IF @@TRANCOUNT > 0
    BEGIN
        ROLLBACK TRANSACTION;
    END







    EXECUTE [dbo].[uspLogError];
END CATCH;
END;
GO

ALTER TABLE Production.WorkOrder
    ADD CONSTRAINT FK_WorkOrder_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (ProductID)
GO

ALTER TABLE Production.WorkOrder
    ADD CONSTRAINT FK_WorkOrder_ScrapReason_ScrapReasonID FOREIGN KEY (ScrapReasonID) REFERENCES Production.
    ScrapReason (ScrapReasonID)
GO

```

Depends On 7

-  AdventureWorks2025
-  dbo.uspLogError
-  dbo.uspPrintError
-  Production
-  Production.Product
-  Production.ScrapReason
-  Production.TransactionHistory

Used By 1

-  Production.WorkOrderRouting












Production.WorkOrderRouting

Description

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	67131
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 12

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	WorkOrderID	int	4	10	0	True				False	False	
												
	ProductID	int	4	10	0	True				False	False	
												
	OperationSequence	smallint	2	5	0	True				False	False	
												
	LocationID	smallint	2	5	0	True				False	False	
	ScheduledStartDate	datetime	8	23	3	True				False	False	
	ScheduledEndDate	datetime	8	23	3	True				False	False	
	ActualStartDate	datetime	8	23	3	False				False	False	
	ActualEndDate	datetime	8	23	3	False				False	False	

	ActualResourceHrs	decimal	5	9	4	False				False	False	
	PlannedCost	money	8	19	4	True				False	False	
	ActualCost	money	8	19	4	False				False	False	
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	

Indexes ²

Key	Name	Columns	Unique	Type	Description
	IX_WorkOrderRouting_ProductID	ProductID	False		
	PK_WorkOrderRouting_WorkOrderID_ProductID_OperationSequence	WorkOrderID, ProductID, OperationSequence	True		

Check Constraints ⁵

Name	Columns	Condition	Description
CK_WorkOrderRouting_ActualCost	ActualCost	([ActualCost]>(0.00))	
CK_WorkOrderRouting_ActualEndDate	ActualEndDate, ActualStartDate	([ActualEndDate]>= [ActualStartDate] OR [ActualEndDate] IS NULL OR [ActualStartDate] IS NULL)	
CK_WorkOrderRouting_ActualResourceHrs	ActualResourceHrs	([ActualResourceHrs]>=(0.0000))	
CK_WorkOrderRouting_PlannedCost	PlannedCost	([PlannedCost]>(0.00))	
CK_WorkOrderRouting_ScheduledEndDate	ScheduledEndDate, ScheduledStartDate	([ScheduledEndDate]>= [ScheduledStartDate])	

Foreign Keys ²

Name	Columns	Description
FK_WorkOrderRouting_Location_LocationID	LocationID	
FK_WorkOrderRouting_WorkOrder_WorkOrderID	WorkOrderID	

SQL Script

```

CREATE TABLE Production.WorkOrderRouting (
    WorkOrderID int NOT NULL,
    ProductID int NOT NULL,
    OperationSequence smallint NOT NULL,
    LocationID smallint NOT NULL,
    ScheduledStartDate datetime NOT NULL,
    ScheduledEndDate datetime NOT NULL,
    ActualStartDate datetime NULL,
    ActualEndDate datetime NULL,
    ActualResourceHrs decimal(9, 4) NULL,
    PlannedCost money NOT NULL,
    ActualCost money NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_WorkOrderRouting_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_WorkOrderRouting_WorkOrderID_ProductID_OperationSequence PRIMARY KEY CLUSTERED (WorkOrderID,
    ProductID, OperationSequence),
    CONSTRAINT CK_WorkOrderRouting_ActualCost CHECK ([ActualCost]>(0.00)),
    CONSTRAINT CK_WorkOrderRouting_ActualEndDate CHECK ([ActualEndDate]>=[ActualStartDate] OR [ActualEndDate] IS NULL
    OR [ActualStartDate] IS NULL),
    CONSTRAINT CK_WorkOrderRouting_ActualResourceHrs CHECK ([ActualResourceHrs]>=(0.0000)),
    CONSTRAINT CK_WorkOrderRouting_PlannedCost CHECK ([PlannedCost]>(0.00)),
    CONSTRAINT CK_WorkOrderRouting_ScheduledEndDate CHECK ([ScheduledEndDate]>=[ScheduledStartDate])
)
ON [PRIMARY]
GO





```

```
CREATE INDEX IX_WorkOrderRouting_ProductID
ON Production.WorkOrderRouting (ProductID)
ON [PRIMARY]
GO

ALTER TABLE Production.WorkOrderRouting
ADD CONSTRAINT FK_WorkOrderRouting_Location_LocationID FOREIGN KEY (LocationID) REFERENCES Production.Location (
LocationID)
GO

ALTER TABLE Production.WorkOrderRouting
ADD CONSTRAINT FK_WorkOrderRouting_WorkOrder_WorkOrderID FOREIGN KEY (WorkOrderID) REFERENCES Production.
WorkOrder (WorkOrderID)
GO
```

Depends On 4

-  AdventureWorks2025
-  Production
-  Production.Location
-  Production.WorkOrder

Used By

No items found

Purchasing.ProductVendor






Description


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

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	460
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 11

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ProductID	int	4	10	0	True				False	False	Primary key. Foreign key to Product.ProductID.
	BusinessEntityID	int	4	10	0	True				False	False	Primary key. Foreign key to Vendor.BusinessEntityID.
	AverageLeadTime	int	4	10	0	True				False	False	The average span of time (in days) between placing an order with the vendor and receiving the purchased product.
	StandardPrice	money	8	19	4	True				False	False	The vendor's usual selling price.
	LastReceiptCost	money	8	19	4	False				False	False	The selling price when last purchased.

	LastReceiptDate	datetime	8	23	3	False				False	False	Date the product was last received by the vendor.
[E]	MinOrderQty	int	4	10	0	True				False	False	The maximum quantity that should be ordered.
[E]	MaxOrderQty	int	4	10	0	True				False	False	The minimum quantity that should be ordered.
[E]	OnOrderQty	int	4	10	0	False				False	False	The quantity currently on order.
	UnitMeasureCode	nchar	3	0	0	True				False	False	The product's unit of measure.
	ModifiedDate	datetime	8	23	3	True		(getdate())		False	False	Date and time the record was last updated.

Indexes ³

Key	Name	Columns	Unique	Type	Description
	IX_ProductVendor_BusinessEntityID	BusinessEntityID	False		
	IX_ProductVendor_UnitMeasureCode	UnitMeasureCode	False		
	PK_ProductVendor_ProductID_BusinessEntityID	ProductID, BusinessEntityID	True		

Check Constraints ⁶

Name	Columns	Condition	Description
CK_ProductVendor_AverageLeadTime	AverageLeadTime	((AverageLeadTime)>=(1))	
CK_ProductVendor_LastReceiptCost	LastReceiptCost	((LastReceiptCost)>(0.00))	
CK_ProductVendor_MaxOrderQty	MaxOrderQty	((MaxOrderQty)>=(1))	
CK_ProductVendor_MinOrderQty	MinOrderQty	((MinOrderQty)>=(1))	
CK_ProductVendor_OnOrderQty	OnOrderQty	((OnOrderQty)>=(0))	
CK_ProductVendor_StandardPrice	StandardPrice	((StandardPrice)>(0.00))	

Foreign Keys ³

Name	Columns	Description
FK_ProductVendor_Product_ProductID	ProductID	
FK_ProductVendor_UnitMeasure_UnitMeasureCode	UnitMeasureCode	
FK_ProductVendor_Vendor_BusinessEntityID	BusinessEntityID	

SQL Script

```
CREATE TABLE Purchasing.ProductVendor (
    ProductID int NOT NULL,
    BusinessEntityID int NOT NULL,
    AverageLeadTime int NOT NULL,
    StandardPrice money NOT NULL,
    LastReceiptCost money NULL,
    LastReceiptDate datetime NULL,
    MinOrderQty int NOT NULL,
    MaxOrderQty int NOT NULL,
    OnOrderQty int NULL,
    UnitMeasureCode nchar(3) NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ProductVendor_ModifiedDate DEFAULT (getdate()),
```

```

CONSTRAINT PK_ProductVendor_ProductID_BusinessEntityID PRIMARY KEY CLUSTERED (ProductID, BusinessEntityID),
CONSTRAINT CK_ProductVendor_AverageLeadTime CHECK ([AverageLeadTime]>=(1)),
CONSTRAINT CK_ProductVendor_LastReceiptCost CHECK ([LastReceiptCost]>(0.00)),
CONSTRAINT CK_ProductVendor_MaxOrderQty CHECK ([MaxOrderQty]>=(1)),
CONSTRAINT CK_ProductVendor_MinOrderQty CHECK ([MinOrderQty]>=(1)),
CONSTRAINT CK_ProductVendor_OnOrderQty CHECK ([OnOrderQty]>=(0)),
CONSTRAINT CK_ProductVendor_StandardPrice CHECK ([StandardPrice]>(0.00))
)
ON [PRIMARY]
GO

CREATE INDEX IX_ProductVendor_BusinessEntityID
ON Purchasing.ProductVendor (BusinessEntityID)
ON [PRIMARY]
GO

CREATE INDEX IX_ProductVendor_UnitMeasureCode
ON Purchasing.ProductVendor (UnitMeasureCode)
ON [PRIMARY]
GO

ALTER TABLE Purchasing.ProductVendor
ADD CONSTRAINT FK_ProductVendor_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
ProductID)
GO

ALTER TABLE Purchasing.ProductVendor
ADD CONSTRAINT FK_ProductVendor_UnitMeasure_UnitMeasureCode FOREIGN KEY (UnitMeasureCode) REFERENCES Production.
UnitMeasure (UnitMeasureCode)
GO

ALTER TABLE Purchasing.ProductVendor
ADD CONSTRAINT FK_ProductVendor_Vendor_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Purchasing.
Vendor (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping vendors with the&
nbspproducts they supply.', 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to Product.ProductID.', 'SCHEMA', N'Purcha
sing', 'TABLE', N'ProductVendor', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to Vendor.
BusinessEntityID.', 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The average span of time (in days)
between placing an order with the vendor and receiving the
purchased product.', 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor', 'COLUMN', N'AverageLeadTime'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The vendor's usual selling price.', 'SCHEMA', N'Purchasing', 'TABL
E', N'ProductVendor', 'COLUMN', N'StandardPrice'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The selling price when last purchased.', 'SCHEMA', N'Purchasing', '
TABLE', N'ProductVendor', 'COLUMN', N'LastReceiptCost'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the product was last received by
the vendor.', 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor', 'COLUMN', N'LastReceiptDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The maximum quantity that should be ordered.&#
39;; 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor', 'COLUMN', N'MinOrderQty'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'The minimum quantity that should be ordered.&#
39;; 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor', 'COLUMN', N'MaxOrderQty'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'The quantity currently on order.', 'SCHEMA', N'Purchasing', 'TABLE',
N'ProductVendor', 'COLUMN', N'OnOrderQty'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'The product's unit of measure.', 'SCHEMA', N'Purchasing', 'TABLE',  
N'ProductVendor', 'COLUMN', N'UnitMeasureCode'  
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Purchasing', 'TABLE', N'ProductVendor', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 5

-  AdventureWorks2025
-  Purchasing
-  Production.Product
-  Production.UnitMeasure
-  Purchasing.Vendor

Used By

No items found

Purchasing.PurchaseOrderDetail

Description

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

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	8845
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 11

Computed Columns 2

Name	Definition
LineTotal	(isnull([OrderQty]*[UnitPrice],(0.00)))
StockedQty	(isnull([ReceivedQty]-[RejectedQty],(0.00)))

Indexes 2

Key	Name	Columns	Unique	Type	Description
	IX_PurchaseOrderDetail_ProductID	ProductID	False		
	PK_PurchaseOrderDetail_PurchaseOrderID_PurchaseOrderDetailID	PurchaseOrderID, PurchaseOrderDetailID	True		

Triggers 2

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
iPurchaseOrderDetail	True	True	AFTER INSERT	False	
uPurchaseOrderDetail	True	True	AFTER UPDATE	False	

Check Constraints 4

Name	Columns	Condition	Description
CK_PurchaseOrderDetail_OrderQty	OrderQty	([OrderQty]>(0))	
CK_PurchaseOrderDetail_ReceivedQty	ReceivedQty	([ReceivedQty]>=(0.00))	
CK_PurchaseOrderDetail_RejectedQty	RejectedQty	([RejectedQty]>=(0.00))	
CK_PurchaseOrderDetail_UnitPrice	UnitPrice	([UnitPrice]>=(0.00))	

Foreign Keys 2

Name	Columns	Description
FK_PurchaseOrderDetail_Product_ProductID	ProductID	
FK_PurchaseOrderDetail_PurchaseOrderHeader_PurchaseOrderID	PurchaseOrderID	

SQL Script

```
CREATE TABLE Purchasing.PurchaseOrderDetail (
    PurchaseOrderID int NOT NULL,
    PurchaseOrderDetailID int IDENTITY,
    DueDate datetime NOT NULL,
    OrderQty smallint NOT NULL,
    ProductID int NOT NULL,
    UnitPrice money NOT NULL,
    LineTotal AS (isnull([OrderQty]*[UnitPrice],(0.00))),
    ReceivedQty decimal(8, 2) NOT NULL,
    RejectedQty decimal(8, 2) NOT NULL,
    StockedQty AS (isnull([ReceivedQty]-[RejectedQty],(0.00))),
    ModifiedDate datetime NOT NULL CONSTRAINT DF_PurchaseOrderDetail_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_PurchaseOrderDetail_PurchaseOrderID_PurchaseOrderDetailID PRIMARY KEY CLUSTERED (PurchaseOrderID,
    PurchaseOrderDetailID),
    CONSTRAINT CK_PurchaseOrderDetail_OrderQty CHECK ([OrderQty]>(0)),
    CONSTRAINT CK_PurchaseOrderDetail_ReceivedQty CHECK ([ReceivedQty]>=(0.00)),
    CONSTRAINT CK_PurchaseOrderDetail_RejectedQty CHECK ([RejectedQty]>=(0.00)),
    CONSTRAINT CK_PurchaseOrderDetail_UnitPrice CHECK ([UnitPrice]>=(0.00))
)
ON [PRIMARY]
GO

CREATE INDEX IX_PurchaseOrderDetail_ProductID
ON Purchasing.PurchaseOrderDetail (ProductID)
ON [PRIMARY]
GO
```

```

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER Purchasing.iPurchaseOrderDetail ON Purchasing.PurchaseOrderDetail
AFTER INSERT AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        INSERT INTO [Production].[TransactionHistory]
            ([ProductID]
            ,[ReferenceOrderID]
            ,[ReferenceOrderLineID]
            ,[TransactionType]
            ,[TransactionDate]
            ,[Quantity]
            ,[ActualCost])
        SELECT
            inserted.[ProductID]
            ,inserted.[PurchaseOrderID]
            ,inserted.[PurchaseOrderDetailID]
            ,'P'
            ,GETDATE()
            ,inserted.[OrderQty]
            ,inserted.[UnitPrice]
        FROM inserted
        INNER JOIN [Purchasing].[PurchaseOrderHeader]
            ON inserted.[PurchaseOrderID] = [Purchasing].[PurchaseOrderHeader].[PurchaseOrderID];

        -- Update SubTotal in PurchaseOrderHeader record. Note that
        -- this causes the
        -- PurchaseOrderHeader trigger to fire which will update
        -- the RevisionNumber.
        UPDATE [Purchasing].[PurchaseOrderHeader]
        SET [Purchasing].[PurchaseOrderHeader].[SubTotal] =
            (SELECT SUM([Purchasing].[PurchaseOrderDetail].[LineTotal])
             FROM [Purchasing].[PurchaseOrderDetail]
             WHERE [Purchasing].[PurchaseOrderHeader].[PurchaseOrderID] = [Purchasing].[PurchaseOrderDetail].
             [PurchaseOrderID])
        WHERE [Purchasing].[PurchaseOrderHeader].[PurchaseOrderID] IN (SELECT inserted.[PurchaseOrderID] FROM
        inserted);
    END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspPrintError];

        -- Rollback any active or uncommittable transactions before
        -- inserting information in the ErrorLog
        IF @@TRANCOUNT > 0
            BEGIN
                ROLLBACK TRANSACTION;
            END

        EXECUTE [dbo].[uspLogError];
    END CATCH;
END;
GO
CREATE OR ALTER TRIGGER Purchasing.uPurchaseOrderDetail ON Purchasing.PurchaseOrderDetail
AFTER UPDATE AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        IF UPDATE([ProductID]) OR UPDATE([OrderQty]) OR UPDATE([UnitPrice])
            -- Insert record into TransactionHistory
        BEGIN
            INSERT INTO [Production].[TransactionHistory]
                ([ProductID]
                ,[ReferenceOrderID]
                ,[ReferenceOrderLineID]
                ,[TransactionType]
                ,[TransactionDate]
                ,[Quantity]
                ,[ActualCost])

```

```

SELECT
    inserted.[ProductID]
    ,inserted.[PurchaseOrderID]
    ,inserted.[PurchaseOrderDetailID]
    ,'P'
    ,GETDATE()
    ,inserted.[OrderQty]
    ,inserted.[UnitPrice]
FROM inserted
INNER JOIN [Purchasing].[PurchaseOrderDetail]
ON inserted.[PurchaseOrderID] = [Purchasing].[PurchaseOrderDetail].[PurchaseOrderID];

-- Update SubTotal in PurchaseOrderHeader record. Note
that this causes the
-- PurchaseOrderHeader trigger to fire which will update&
nbsp;the RevisionNumber.
UPDATE [Purchasing].[PurchaseOrderHeader]
SET [Purchasing].[PurchaseOrderHeader].[SubTotal] =
    (SELECT SUM([Purchasing].[PurchaseOrderDetail].[LineTotal])
    FROM [Purchasing].[PurchaseOrderDetail]
    WHERE [Purchasing].[PurchaseOrderHeader].[PurchaseOrderID]
    = [Purchasing].[PurchaseOrderDetail].[PurchaseOrderID])
WHERE [Purchasing].[PurchaseOrderHeader].[PurchaseOrderID]
IN (SELECT inserted.[PurchaseOrderID] FROM inserted);

UPDATE [Purchasing].[PurchaseOrderDetail]
SET [Purchasing].[PurchaseOrderDetail].[ModifiedDate] = GETDATE()
FROM inserted
WHERE inserted.[PurchaseOrderID] = [Purchasing].[PurchaseOrderDetail].[PurchaseOrderID]
AND inserted.[PurchaseOrderDetailID] = [Purchasing].[PurchaseOrderDetail].[PurchaseOrderDetailID];
END;
END TRY
BEGIN CATCH
EXECUTE [dbo].[uspPrintError];

-- Rollback any active or uncommittable transactions before
-- inserting information in the ErrorLog
IF @@TRANCOUNT > 0
BEGIN
    ROLLBACK TRANSACTION;
END

EXECUTE [dbo].[uspLogError];
END CATCH;
END;
GO

ALTER TABLE Purchasing.PurchaseOrderDetail
ADD CONSTRAINT FK_PurchaseOrderDetail_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
ProductID)
GO

ALTER TABLE Purchasing.PurchaseOrderDetail
ADD CONSTRAINT FK_PurchaseOrderDetail_PurchaseOrderHeader_PurchaseOrderID FOREIGN KEY (PurchaseOrderID)
REFERENCES Purchasing.PurchaseOrderHeader (PurchaseOrderID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Individual products associated with a specific&
nbsp;purchase order. See PurchaseOrderHeader.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to PurchaseOrderHeader.
PurchaseOrderID.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'PurchaseOrderID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. One line number per purchased&
nbsp;product.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'PurchaseOrderDetailID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the product is expected to be
received.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'DueDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity ordered.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'CO
LUMN', N'OrderQty'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Vendor''s selling price of a single
product.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'UnitPrice'
GO

```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Per product subtotal. Computed as OrderQty *&
nbsp;UnitPrice.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'LineTotal'
GO
```








```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity actually received from the vendor.', 'SCHEMA', N'Purchasing', 'TABLE', N
'PurchaseOrderDetail', 'COLUMN', N'ReceivedQty'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity rejected during inspection.', 'SCHEMA', N'Purchasing', 'TABLE', N'Purcha
seOrderDetail', 'COLUMN', N'RejectedQty'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity accepted into inventory. Computed as
ReceivedQty - RejectedQty.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'StockedQty'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderDetail', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 7

-  AdventureWorks2025
-  dbo.uspLogError
-  dbo.uspPrintError
-  Purchasing
-  Production.Product
-  Production.TransactionHistory
-  Purchasing.PurchaseOrderHeader

Used By

No items found

Purchasing.PurchaseOrderHeader








Description

General purchase order information. See PurchaseOrderDetail.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	4012
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 13


Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	PurchaseOrderID	int	4	10	0	True	1 - 1			False	False	Primary key.
	RevisionNumber	tinyint	1	3	0	True			(0)	False	False	Incremental number to track changes to the purchase order over time.
	Status	tinyint	1	3	0	True			(1)	False	False	Order current status. 1 = Pending; 2 = Approved; 3 = Rejected; 4 = Complete
	EmployeeID	int	4	10	0	True				False	False	Employee who created the purchase order. Foreign key to Employee.BusinessEntityID.
	VendorID	int	4	10	0	True				False	False	Vendor with whom the purchase order is placed. Foreign key to Vendor.BusinessEntityID.
	ShipMethodID	int	4	10	0	True				False	False	Shipping method. Foreign key to ShipMethod.ShipMethodID.
	OrderDate	datetime	8	23	3	True			(getdate())	False	False	Purchase order creation date.
	ShipDate	datetime	8	23	3	False				False	False	Estimated shipment date from the vendor.

[E]	SubTotal	money	8	19	4	True			(0.00)	False	False	Purchase order subtotal. Computed as SUM(PurchaseOrderDetail.LineTotal)for the appropriate PurchaseOrderID.
[E]	TaxAmt	money	8	19	4	True			(0.00)	False	False	Tax amount.
[E]	Freight	money	8	19	4	True			(0.00)	False	False	Shipping cost.
	TotalDue	money	8	19	4	True				True	True	Total due to vendor. Computed as Subtotal + TaxAmt + Freight.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Computed Columns 1

Name	Definition
TotalDue	(isnull((SubTotal)+[TaxAmt])+[Freight],(0))

Indexes 3

Key	Name	Columns	Unique	Type	Description
	IX_PurchaseOrderHeader_EmployeeID	EmployeeID	False		
	IX_PurchaseOrderHeader_VendorID	VendorID	False		
	PK_PurchaseOrderHeader_PurchaseOrderID	PurchaseOrderID	True		

Triggers 1

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
uPurchaseOrderHeader	True	True	AFTER UPDATE	False	

Check Constraints 5

Name	Columns	Condition	Description
CK_PurchaseOrderHeader_Freight	Freight	((Freight)>=(0.00))	
CK_PurchaseOrderHeader_ShipDate	ShipDate, OrderDate	((ShipDate)>=[OrderDate] OR [ShipDate] IS NULL)	
CK_PurchaseOrderHeader_Status	Status	((Status)>=(1) AND [Status]<=(4))	
CK_PurchaseOrderHeader_SubTotal	SubTotal	((SubTotal)>=(0.00))	
CK_PurchaseOrderHeader_TaxAmt	TaxAmt	((TaxAmt)>=(0.00))	

Foreign Keys 3

Name	Columns	Description
FK_PurchaseOrderHeader_Employee_EmployeeID	BusinessEntityID	
FK_PurchaseOrderHeader_ShipMethod_ShipMethodID	ShipMethodID	
FK_PurchaseOrderHeader_Vendor_VendorID	BusinessEntityID	

SQL Script

```

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE Purchasing.PurchaseOrderHeader (
    PurchaseOrderID int IDENTITY,
    RevisionNumber tinyint NOT NULL CONSTRAINT DF_PurchaseOrderHeader_RevisionNumber DEFAULT (0),
    Status tinyint NOT NULL CONSTRAINT DF_PurchaseOrderHeader_Status DEFAULT (1),
    EmployeeID int NOT NULL,

```

```

VendorID int NOT NULL,
ShipMethodID int NOT NULL,
OrderDate datetime NOT NULL CONSTRAINT DF_PurchaseOrderHeader_OrderDate DEFAULT (getdate()),
ShipDate datetime NULL,
SubTotal money NOT NULL CONSTRAINT DF_PurchaseOrderHeader_SubTotal DEFAULT (0.00),
TaxAmt money NOT NULL CONSTRAINT DF_PurchaseOrderHeader_TaxAmt DEFAULT (0.00),
Freight money NOT NULL CONSTRAINT DF_PurchaseOrderHeader_Freight DEFAULT (0.00),
TotalDue AS (isnull((SubTotal)+[TaxAmt]+[Freight],(0))) PERSISTED NOT NULL,
ModifiedDate datetime NOT NULL CONSTRAINT DF_PurchaseOrderHeader_ModifiedDate DEFAULT (getdate()),
CONSTRAINT PK_PurchaseOrderHeader_PurchaseOrderID PRIMARY KEY CLUSTERED (PurchaseOrderID),
CONSTRAINT CK_PurchaseOrderHeader_Freight CHECK ([Freight]>=(0.00)),
CONSTRAINT CK_PurchaseOrderHeader_ShipDate CHECK ([ShipDate]>=[OrderDate] OR [ShipDate] IS NULL),
CONSTRAINT CK_PurchaseOrderHeader_Status CHECK ([Status]>=(1) AND [Status]<=(4)),
CONSTRAINT CK_PurchaseOrderHeader_SubTotal CHECK ([SubTotal]>=(0.00)),
CONSTRAINT CK_PurchaseOrderHeader_TaxAmt CHECK ([TaxAmt]>=(0.00))
)
ON [PRIMARY]
GO

CREATE INDEX IX_PurchaseOrderHeader_EmployeeID
ON Purchasing.PurchaseOrderHeader (EmployeeID)
ON [PRIMARY]
GO

CREATE INDEX IX_PurchaseOrderHeader_VendorID
ON Purchasing.PurchaseOrderHeader (VendorID)
ON [PRIMARY]
GO

SET ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER Purchasing.uPurchaseOrderHeader ON Purchasing.PurchaseOrderHeader
AFTER UPDATE AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        -- Update RevisionNumber for modification of any field
        EXCEPT the Status.
        IF NOT UPDATE([Status])
            BEGIN
                UPDATE [Purchasing].[PurchaseOrderHeader]
                SET [Purchasing].[PurchaseOrderHeader].[RevisionNumber] =
                    [Purchasing].[PurchaseOrderHeader].[RevisionNumber] + 1
                WHERE [Purchasing].[PurchaseOrderHeader].[PurchaseOrderID] IN
                    (SELECT inserted.[PurchaseOrderID] FROM inserted);
            END;
    END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspPrintError];

        -- Rollback any active or uncommittable transactions before
        -- inserting information in the ErrorLog
        IF @@TRANCOUNT > 0
            BEGIN
                ROLLBACK TRANSACTION;
            END

        EXECUTE [dbo].[uspLogError];
    END CATCH;
END;
GO

ALTER TABLE Purchasing.PurchaseOrderHeader
ADD CONSTRAINT FK_PurchaseOrderHeader_Employee_EmployeeID FOREIGN KEY (EmployeeID) REFERENCES HumanResources.
Employee (BusinessEntityID)
GO

ALTER TABLE Purchasing.PurchaseOrderHeader
ADD CONSTRAINT FK_PurchaseOrderHeader_ShipMethod_ShipMethodID FOREIGN KEY (ShipMethodID) REFERENCES Purchasing.
ShipMethod (ShipMethodID)
GO

ALTER TABLE Purchasing.PurchaseOrderHeader
ADD CONSTRAINT FK_PurchaseOrderHeader_Vendor_VendorID FOREIGN KEY (VendorID) REFERENCES Purchasing.Vendor (
BusinessEntityID)
GO

```

```

EXEC sys.sp_addextendedproperty N'MS_Description', N'General purchase order information. See
PurchaseOrderDetail.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COL
UMN', N'PurchaseOrderID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Incremental number to track changes to the&
nbsp;purchase order over time.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'RevisionNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Order current status. 1 = Pending; 2 =&
nbsp;Approved; 3 = Rejected; 4 = Complete', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'Status'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Employee who created the purchase order.
Foreign key to Employee.BusinessEntityID.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'EmployeeID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Vendor with whom the purchase order is
placed. Foreign key to Vendor.BusinessEntityID.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'VendorID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping method. Foreign key to ShipMethod.
ShipMethodID.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'ShipMethodID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Purchase order creation date.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseO
rderHeader', 'COLUMN', N'OrderDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Estimated shipment date from the vendor.', 'SCHEMA', N'Purchasing', 'TABLE',
N'PurchaseOrderHeader', 'COLUMN', N'ShipDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Purchase order subtotal. Computed as SUM(
PurchaseOrderDetail.LineTotal)for the appropriate PurchaseOrderID.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'CO
LUMN', N'SubTotal'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Tax amount.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLU
MN', N'TaxAmt'
GO








EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping cost.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'C
OLUMN', N'Freight'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Total due to vendor. Computed as Subtotal&
nbsp;+ TaxAmt + Freight.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'TotalDue'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Purchasing', 'TABLE', N'PurchaseOrderHeader', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 7

-  AdventureWorks2025
-  dbo.uspLogError
-  dbo.uspPrintError
-  Purchasing
-  HumanResources.Employee
-  Purchasing.ShipMethod
-  Purchasing.Vendor

Used By 1

-  Purchasing.PurchaseOrderDetail

Purchasing.ShipMethod






Description

Shipping company lookup table.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	5
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ShipMethodID	int	4	10	0	True	1 - 1			False	False	Primary key for ShipMethod records.
	Name	dbo.Name	50	0	0	True				False	False	Shipping company name.
	ShipBase	money	8	19	4	True			(0.00)	False	False	Minimum shipping charge.
	ShipRate	money	8	19	4	True			(0.00)	False	False	Shipping charge per pound.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.
--	--------------	----------	---	----	---	------	--	--	-------------	-------	-------	--

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_ShipMethod_Name	Name	True		
	AK_ShipMethod_rowguid	rowguid	True		
	PK_ShipMethod_ShipMethodID	ShipMethodID	True		

Check Constraints 2

Name	Columns	Condition	Description
CK_ShipMethod_ShipBase	ShipBase	([ShipBase]>(0.00))	
CK_ShipMethod_ShipRate	ShipRate	([ShipRate]>(0.00))	

SQL Script

```

CREATE TABLE Purchasing.ShipMethod (
    ShipMethodID int IDENTITY,
    Name dbo.Name NOT NULL,
    ShipBase money NOT NULL CONSTRAINT DF_ShipMethod_ShipBase DEFAULT (0.00),
    ShipRate money NOT NULL CONSTRAINT DF_ShipMethod_ShipRate DEFAULT (0.00),
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_ShipMethod_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ShipMethod_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ShipMethod_ShipMethodID PRIMARY KEY CLUSTERED (ShipMethodID),
    CONSTRAINT CK_ShipMethod_ShipBase CHECK ([ShipBase]>(0.00)),
    CONSTRAINT CK_ShipMethod_ShipRate CHECK ([ShipRate]>(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ShipMethod_Name
ON Purchasing.ShipMethod (Name)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_ShipMethod_rowguid
ON Purchasing.ShipMethod (rowguid)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping company lookup table.', 'SCHEMA', N'Purchasing', 'TABLE',
N'ShipMethod'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ShipMethod records.', 'SCHEMA', N'Purchasing', 'TAB
LE', N'ShipMethod', 'COLUMN', N'ShipMethodID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping company name.', 'SCHEMA', N'Purchasing', 'TABLE', N'ShipMe
thod', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Minimum shipping charge.', 'SCHEMA', N'Purchasing', 'TABLE', N'Ship
Method', 'COLUMN', N'ShipBase'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping charge per pound.', 'SCHEMA', N'Purchasing', 'TABLE', N'Sh
ipMethod', 'COLUMN', N'ShipRate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Purchasing', 'TABLE', N'ShipMethod', 'COLUMN', N'rowguid'
GO



```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Purchasing', 'TABLE', N'ShipMethod', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On ³

-  AdventureWorks2025
-  Purchasing
-  dbo.Name

Used By ²

-  Purchasing.PurchaseOrderHeader
-  Sales.SalesOrderHeader

Purchasing.Vendor

Description

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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	104
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 8

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_Vendor_AccountNumber	AccountNumber	True		

	PK_Vendor_BusinessEntityID	BusinessEntityID	True		
--	----------------------------	------------------	------	--	--

Triggers ¹

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
dVendor	True	True	INSTEAD OF DELETE	True	

Check Constraints ¹

Name	Columns	Condition	Description
CK_Vendor_CreditRating	CreditRating	[(CreditRating)>=(1) AND (CreditRating)<=(5)]	

Foreign Keys ¹

Name	Columns	Description
FK_Vendor_BusinessEntity_BusinessEntityID	BusinessEntityID	

SQL Script

```

CREATE TABLE Purchasing.Vendor (
    BusinessEntityID int NOT NULL,
    AccountNumber dbo.AccountNumber NOT NULL,
    Name dbo.Name NOT NULL,
    CreditRating tinyint NOT NULL,
    PreferredVendorStatus dbo.Flag NOT NULL CONSTRAINT DF_Vendor_PreferredVendorStatus DEFAULT (1),
    ActiveFlag dbo.Flag NOT NULL CONSTRAINT DF_Vendor_ActiveFlag DEFAULT (1),
    PurchasingWebServiceURL nvarchar(1024) NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Vendor_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Vendor_BusinessEntityID PRIMARY KEY CLUSTERED (BusinessEntityID),
    CONSTRAINT CK_Vendor_CreditRating CHECK ([CreditRating]>=(1) AND [CreditRating]<=(5))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Vendor_AccountNumber
ON Purchasing.Vendor (AccountNumber)
ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER Purchasing.dVendor ON Purchasing.Vendor
INSTEAD OF DELETE NOT FOR REPLICATION AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        DECLARE @DeleteCount int;

        SELECT @DeleteCount = COUNT(*) FROM deleted;
        IF @DeleteCount > 0
            BEGIN
                RAISERROR
                (N'Vendors cannot be deleted. They can only
                be marked as not active.', -- Message
                10, -- Severity.
                1); -- State.

                -- Rollback any active or uncommittable transactions
                IF @@TRANCOUNT > 0
                    BEGIN
                        ROLLBACK TRANSACTION;
                    END
            END TRY
        END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspPrintError];

        -- Rollback any active or uncommittable transactions before
        -- inserting information in the ErrorLog
        IF @@TRANCOUNT > 0
            BEGIN

```

```

        ROLLBACK TRANSACTION;
    END

    EXECUTE [dbo].[uspLogError];
END CATCH;
END;
GO

ALTER TABLE Purchasing.Vendor
    ADD CONSTRAINT FK_Vendor_BusinessEntity_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.
    BusinessEntity (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Companies from whom Adventure Works Cycles
purchases parts or other goods.', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for Vendor records. Foreign
key to BusinessEntity.BusinessEntityID', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Vendor account (identification) number.', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor', '
COLUMN', N'AccountNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Company name.', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor', 'COLUMN', N'Name'
GO









EXEC sys.sp_addextendedproperty N'MS_Description', N'1 = Superior, 2 = Excellent, 3 =
Above average, 4 = Average, 5 = Below average', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor', 'COLUMN', N'CreditRating'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Do not use if another vendor is&
nbsp;available. 1 = Preferred over other vendors supplying the same&
nbsp;product.', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor', 'COLUMN', N'PreferredVendorStatus'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'0 = Vendor no longer used. 1 =
Vendor is actively used.', 'SCHEMA', N'Purchasing', 'TABLE', N'Vendor', 'COLUMN', N'ActiveFlag'
GO

```

Depends On 8

-  AdventureWorks2025
-  dbo.uspLogError
-  dbo.uspPrintError
-  Purchasing
-  Person.BusinessEntity
-  dbo.AccountNumber
-  dbo.Flag
-  dbo.Name

Used By 5

-  Purchasing.ProductVendor
-  Purchasing.PurchaseOrderHeader
-  dbo.ufnGetContactInformation
-  Purchasing.vVendorWithAddresses
-  Purchasing.vVendorWithContacts

Sales.CountryRegionCurrency



Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	109
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CountryRegionCode	nvarchar	3	0	0	True				False	False	ISO code for countries and regions. Foreign key to CountryRegion.CountryRegionCode.
	CurrencyCode	nchar	3	0	0	True				False	False	ISO standard currency code. Foreign key to Currency.CurrencyCode.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	IX_CountryRegionCurrency_CurrencyCode	CurrencyCode	False		
	PK_CountryRegionCurrency_CountryRegionCode_CurrencyCode	CountryRegionCode, CurrencyCode	True		

Foreign Keys 2

Name	Columns	Description
FK_CountryRegionCurrency_CountryRegion_CountryRegionCode	CountryRegionCode	
FK_CountryRegionCurrency_Currency_CurrencyCode	CurrencyCode	

SQL Script

```

CREATE TABLE Sales.CountryRegionCurrency (
  CountryRegionCode nvarchar(3) NOT NULL,
  CurrencyCode nchar(3) NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_CountryRegionCurrency_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_CountryRegionCurrency_CountryRegionCode_CurrencyCode PRIMARY KEY CLUSTERED (CountryRegionCode,
  CurrencyCode)
)
ON [PRIMARY]
GO

CREATE INDEX IX_CountryRegionCurrency_CurrencyCode
  ON Sales.CountryRegionCurrency (CurrencyCode)
  ON [PRIMARY]
GO

ALTER TABLE Sales.CountryRegionCurrency
  ADD CONSTRAINT FK_CountryRegionCurrency_CountryRegion_CountryRegionCode FOREIGN KEY (CountryRegionCode)
  REFERENCES Person.CountryRegion (CountryRegionCode)
GO

ALTER TABLE Sales.CountryRegionCurrency
  ADD CONSTRAINT FK_CountryRegionCurrency_Currency_CurrencyCode FOREIGN KEY (CurrencyCode) REFERENCES Sales.
  Currency (CurrencyCode)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping ISO currency codes&
nbsp;to a country or region.', 'SCHEMA', N'Sales', 'TABLE', N'CountryRegionCurrency'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ISO code for countries and regions. Foreign&
nbsp;key to CountryRegion.CountryRegionCode.', 'SCHEMA', N'Sales', 'TABLE', N'CountryRegionCurrency', 'COLUMN', N'CountryRegionCo
de'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ISO standard currency code. Foreign key to&
nbsp;Currency.CurrencyCode.', 'SCHEMA', N'Sales', 'TABLE', N'CountryRegionCurrency', 'COLUMN', N'CurrencyCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'CountryRegionCurrency', 'COLUMN', N'ModifiedDate'
GO

```

Depends On ⁴

-  AdventureWorks2025
-  Sales
-  Person.CountryRegion
-  Sales.Currency

Used By

No items found

Sales.CreditCard



Description

Customer credit card information.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19118
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CreditCardID	int	4	10	0	True	1 - 1			False	False	Primary key for CreditCard records.
	CardType	nvarchar	50	0	0	True				False	False	Credit card name.
	CardNumber	nvarchar	25	0	0	True				False	False	Credit card number.
	ExpMonth	tinyint	1	3	0	True				False	False	Credit card expiration month.
	ExpYear	smallint	2	5	0	True				False	False	Credit card expiration year.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_CreditCard_CardNumber	CardNumber	True		

	PK_CreditCard_CreditCardID	CreditCardID	True		
--	----------------------------	--------------	------	--	--

SQL Script

```

CREATE TABLE Sales.CreditCard (
  CreditCardID int IDENTITY,
  CardType nvarchar(50) NOT NULL,
  CardNumber nvarchar(25) NOT NULL,
  ExpMonth tinyint NOT NULL,
  ExpYear smallint NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_CreditCard_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_CreditCard_CreditCardID PRIMARY KEY CLUSTERED (CreditCardID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_CreditCard_CardNumber
  ON Sales.CreditCard (CardNumber)
  ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Customer credit card information.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for CreditCard records.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard', 'COLUMN', N'CreditCardID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Credit card name.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard', 'COLUMN', N'CardType'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Credit card number.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard', 'COLUMN', N'CardNumber'
GO



EXEC sys.sp_addextendedproperty N'MS_Description', N'Credit card expiration month.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard', 'COLUMN', N'ExpMonth'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Credit card expiration year.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard', 'COLUMN', N'ExpYear'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Sales', 'TABLE', N'CreditCard', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 2

-  AdventureWorks2025
-  Sales

Used By 2

-  Sales.PersonCreditCard
-  Sales.SalesOrderHeader

Sales.Currency



Description

Lookup table containing standard ISO currencies.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	105
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:20 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CurrencyCode	nchar	3	0	0	True				False	False	The ISO code for the Currency.
	Name	dbo.Name	50	0	0	True				False	False	Currency name.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_Currency_Name	Name	True		
	PK_Currency_CurrencyCode	CurrencyCode	True		

SQL Script

```

CREATE TABLE Sales.Currency (
    CurrencyCode nchar(3) NOT NULL,
    Name dbo.Name NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_Currency_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_Currency_CurrencyCode PRIMARY KEY CLUSTERED (CurrencyCode)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Currency_Name
    ON Sales.Currency (Name)
    ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Lookup table containing standard ISO currencies.&#
39;', 'SCHEMA', N'Sales', 'TABLE', N'Currency'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'The ISO code for the Currency.', 'SCHEMA', N'Sales', 'TABLE', N'Cur
rency', 'COLUMN', N'CurrencyCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Currency name.', 'SCHEMA', N'Sales', 'TABLE', N'Currency', 'COLUMN',
N'Name'
GO



EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'Currency', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Sales
-  dbo.Name

Used By 2

-  Sales.CountryRegionCurrency
-  Sales.CurrencyRate

Sales.CurrencyRate





Description

Currency exchange rates.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	13532
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 7

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CurrencyRateID	int	4	10	0	True	1 - 1			False	False	Primary key for CurrencyRate records.
	CurrencyRateDate	datetime	8	23	3	True				False	False	Date and time the exchange rate was obtained.
	FromCurrencyCode	nchar	3	0	0	True				False	False	Exchange rate was converted from this currency code.
	ToCurrencyCode	nchar	3	0	0	True				False	False	Exchange rate was converted to this currency code.
	AverageRate	money	8	19	4	True				False	False	Average exchange rate for the day.
	EndOfDayRate	money	8	19	4	True				False	False	Final exchange rate for the day.

	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.
--	--------------	----------	---	----	---	------	--	--	-------------	-------	-------	--

Indexes ²

Key	Name	Columns	Unique	Type	Description
	AK_CurrencyRate_CurrencyRateDate_FromCurrencyCode_ToCurrencyCode	CurrencyRateDate, FromCurrencyCode, ToCurrencyCode	True		
	PK_CurrencyRate_CurrencyRateID	CurrencyRateID	True		

Foreign Keys ²

Name	Columns	Description
FK_CurrencyRate_Currency_FromCurrencyCode	CurrencyCode	
FK_CurrencyRate_Currency_ToCurrencyCode	CurrencyCode	

SQL Script

```

CREATE TABLE Sales.CurrencyRate (
    CurrencyRateID int IDENTITY,
    CurrencyRateDate datetime NOT NULL,
    FromCurrencyCode nchar(3) NOT NULL,
    ToCurrencyCode nchar(3) NOT NULL,
    AverageRate money NOT NULL,
    EndOfDayRate money NOT NULL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_CurrencyRate_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_CurrencyRate_CurrencyRateID PRIMARY KEY CLUSTERED (CurrencyRateID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_CurrencyRate_CurrencyRateDate_FromCurrencyCode_ToCurrencyCode
ON Sales.CurrencyRate (CurrencyRateDate, FromCurrencyCode, ToCurrencyCode)
ON [PRIMARY]
GO

ALTER TABLE Sales.CurrencyRate
ADD CONSTRAINT FK_CurrencyRate_Currency_FromCurrencyCode FOREIGN KEY (FromCurrencyCode) REFERENCES Sales.Currency
(CurrencyCode)
GO

ALTER TABLE Sales.CurrencyRate
ADD CONSTRAINT FK_CurrencyRate_Currency_ToCurrencyCode FOREIGN KEY (ToCurrencyCode) REFERENCES Sales.Currency (
CurrencyCode)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Currency exchange rates.', 'SCHEMA', N'Sales', 'TABLE', N'CurrencyR
ate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for CurrencyRate records.', 'SCHEMA', N'Sales', 'TABLE',
N'CurrencyRate', 'COLUMN', N'CurrencyRateID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the exchange rate was
obtained.', 'SCHEMA', N'Sales', 'TABLE', N'CurrencyRate', 'COLUMN', N'CurrencyRateDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Exchange rate was converted from this
currency code.', 'SCHEMA', N'Sales', 'TABLE', N'CurrencyRate', 'COLUMN', N'FromCurrencyCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Exchange rate was converted to this currency&
nbsp;code.', 'SCHEMA', N'Sales', 'TABLE', N'CurrencyRate', 'COLUMN', N'ToCurrencyCode'
GO




```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Average exchange rate for the day.', 'SCHEMA', N'Sales', 'TABLE', N
'CurrencyRate', 'COLUMN', N'AverageRate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Final exchange rate for the day.', 'SCHEMA', N'Sales', 'TABLE', N'C
urrencyRate', 'COLUMN', N'EndOfDayRate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'CurrencyRate', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 3

-  AdventureWorks2025
-  Sales
-  Sales.Currency

Used By 1

-  Sales.SalesOrderHeader

Sales.Customer







Description

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

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19820
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM


Columns 7

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	CustomerID	int	4	10	0	True	1 - 1			False	False	Primary key.
	PersonID	int	4	10	0	False				False	False	Foreign key to Person.BusinessEntityID
	StoreID	int	4	10	0	False				False	False	Foreign key to Store.BusinessEntityID
	TerritoryID	int	4	10	0	False				False	False	ID of the territory in which the customer is located. Foreign key to SalesTerritory.SalesTerritoryID.
	AccountNumber	varchar	10	0	0	True				True	False	Unique number identifying the customer assigned by the accounting system.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Computed Columns 1

Name	Definition
AccountNumber	(isnull('AW'+[dbo].[ufnLeadingZeros]([CustomerID]),''))

Indexes 4

Key	Name	Columns	Unique	Type	Description
	AK_Customer_AccountNumber	AccountNumber	True		
	AK_Customer_rowguid	rowguid	True		
	IX_Customer_TerritoryID	TerritoryID	False		
	PK_Customer_CustomerID	CustomerID	True		

Foreign Keys 3

Name	Columns	Description
FK_Customer_Person_PersonID	BusinessEntityID	
FK_Customer_SalesTerritory_TerritoryID	TerritoryID	
FK_Customer_Store_StoreID	BusinessEntityID	

SQL Script

```
CREATE TABLE Sales.Customer (
  CustomerID int IDENTITY NOT FOR REPLICATION,
  PersonID int NULL,
  StoreID int NULL,
  TerritoryID int NULL,
  AccountNumber AS (isnull('AW'+[dbo].[ufnLeadingZeros]([CustomerID]),'')),
  rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Customer_rowguid DEFAULT (newid()) ROWGUIDCOL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_Customer_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_Customer_CustomerID PRIMARY KEY CLUSTERED (CustomerID)
)
ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE UNIQUE INDEX AK_Customer_AccountNumber
  ON Sales.Customer (AccountNumber)
  ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_Customer_rowguid
  ON Sales.Customer (rowguid)
  ON [PRIMARY]
GO

CREATE INDEX IX_Customer_TerritoryID
  ON Sales.Customer (TerritoryID)
  ON [PRIMARY]
GO

ALTER TABLE Sales.Customer
  ADD CONSTRAINT FK_Customer_Person_PersonID FOREIGN KEY (PersonID) REFERENCES Person.Person (BusinessEntityID)
GO

ALTER TABLE Sales.Customer
  ADD CONSTRAINT FK_Customer_SalesTerritory_TerritoryID FOREIGN KEY (TerritoryID) REFERENCES Sales.SalesTerritory (
  TerritoryID)
GO

ALTER TABLE Sales.Customer
  ADD CONSTRAINT FK_Customer_Store_StoreID FOREIGN KEY (StoreID) REFERENCES Sales.Store (BusinessEntityID)
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Current customer information. Also see the
Person and Store tables.', 'SCHEMA', N'Sales', 'TABLE', N'Customer'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key.', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'CustomerID'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Foreign key to Person.BusinessEntityID', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'PersonID'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Foreign key to Store.BusinessEntityID', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'StoreID'
GO
```







```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ID of the territory in which the
customer is located. Foreign key to SalesTerritory.SalesTerritoryID.', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'TerritoryID'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Unique number identifying the customer assigned&
nbsp;by the accounting system.', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'AccountNumber'
GO
```





```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'rowguid'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'Customer', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 6

-  AdventureWorks2025
-  `dbo.ufnLeadingZeros`
-  Sales
-  Person.Person
-  Sales.SalesTerritory
-  Sales.Store

Used By 4

-  Sales.SalesOrderDetail
-  Sales.SalesOrderHeader
-  `dbo.ufnGetContactInformation`
-  Sales.vIndividualCustomer

Sales.PersonCreditCard



Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	19118
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Business entity identification number. Foreign key to Person.BusinessEntityID.
	CreditCardID	int	4	10	0	True				False	False	Credit card identification number. Foreign key to CreditCard.CreditCardID.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_PersonCreditCard_BusinessEntityID_CreditCardID	BusinessEntityID, CreditCardID	True		

Foreign Keys ²

Name	Columns	Description
FK_PersonCreditCard_CreditCard_CreditCardID	CreditCardID	
FK_PersonCreditCard_Person_BusinessEntityID	BusinessEntityID	

SQL Script

```
CREATE TABLE Sales.PersonCreditCard (  
    BusinessEntityID int NOT NULL,  
    CreditCardID int NOT NULL,  
    ModifiedDate datetime NOT NULL CONSTRAINT DF_PersonCreditCard_ModifiedDate DEFAULT (getdate()),  
    CONSTRAINT PK_PersonCreditCard_BusinessEntityID_CreditCardID PRIMARY KEY CLUSTERED (BusinessEntityID,  
    CreditCardID)  
)  
ON [PRIMARY]  
GO  
  
ALTER TABLE Sales.PersonCreditCard  
    ADD CONSTRAINT FK_PersonCreditCard_CreditCard_CreditCardID FOREIGN KEY (CreditCardID) REFERENCES Sales.CreditCard  
    (CreditCardID)  
GO  
  
ALTER TABLE Sales.PersonCreditCard  
    ADD CONSTRAINT FK_PersonCreditCard_Person_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.  
    Person (BusinessEntityID)  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping people to their  
credit card information in the CreditCard table.', 'SCHEMA', N'Sales', 'TABLE', N'PersonCreditCard'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Business entity identification number. Foreign key&  
nbsp;to Person.BusinessEntityID.', 'SCHEMA', N'Sales', 'TABLE', N'PersonCreditCard', 'COLUMN', N'BusinessEntityID'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Credit card identification number. Foreign key&  
nbsp;to CreditCard.CreditCardID.', 'SCHEMA', N'Sales', 'TABLE', N'PersonCreditCard', 'COLUMN', N'CreditCardID'  
GO  
  
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Sales', 'TABLE', N'PersonCreditCard', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On ³

-  Sales
-  Person.Person
-  Sales.CreditCard

Used By

No items found

Sales.SalesOrderDetail

Description

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

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	121317
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 11

Computed Columns ①

Name	Definition
LineTotal	(isnull(([UnitPrice]*((1.0)-[UnitPriceDiscount]))*[OrderQty],(0.0)))

Indexes ③

Key	Name	Columns	Unique	Type	Description
	AK_SalesOrderDetail_rowguid	rowguid	True		
	IX_SalesOrderDetail_ProductID	ProductID	False		
	PK_SalesOrderDetail_SalesOrderID_SalesOrderDetailID	SalesOrderID, SalesOrderDetailID	True		

Triggers ①

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
iduSalesOrderDetail	True	True	AFTER INSERT, UPDATE, DELETE	False	

Check Constraints ③

Name	Columns	Condition	Description
CK_SalesOrderDetail_OrderQty	OrderQty	([OrderQty]>(0))	
CK_SalesOrderDetail_UnitPrice	UnitPrice	([UnitPrice]>=(0.00))	
CK_SalesOrderDetail_UnitPriceDiscount	UnitPriceDiscount	([UnitPriceDiscount]>=(0.00))	

Foreign Keys ②

Name	Columns	Description
FK_SalesOrderDetail_SalesOrderHeader_SalesOrderID	SalesOrderID	
FK_SalesOrderDetail_SpecialOfferProduct_SpecialOfferIDProductID	SpecialOfferID, ProductID	

SQL Script

```
CREATE TABLE Sales.SalesOrderDetail (
    SalesOrderID int NOT NULL,
    SalesOrderDetailID int IDENTITY,
    CarrierTrackingNumber nvarchar(25) NULL,
    OrderQty smallint NOT NULL,
    ProductID int NOT NULL,
    SpecialOfferID int NOT NULL,
    UnitPrice money NOT NULL,
    UnitPriceDiscount money NOT NULL CONSTRAINT DF_SalesOrderDetail_UnitPriceDiscount DEFAULT (0.0),
    LineTotal AS (isnull(([UnitPrice]*((1.0)-[UnitPriceDiscount]))*[OrderQty],(0.0))),
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesOrderDetail_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesOrderDetail_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesOrderDetail_SalesOrderID_SalesOrderDetailID PRIMARY KEY CLUSTERED (SalesOrderID,
    SalesOrderDetailID),
    CONSTRAINT CK_SalesOrderDetail_OrderQty CHECK ([OrderQty]>(0)),
    CONSTRAINT CK_SalesOrderDetail_UnitPrice CHECK ([UnitPrice]>=(0.00)),
    CONSTRAINT CK_SalesOrderDetail_UnitPriceDiscount CHECK ([UnitPriceDiscount]>=(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesOrderDetail_rowguid
```

```

ON Sales.SalesOrderDetail (rowguid)
ON [PRIMARY]
GO

CREATE INDEX IX_SalesOrderDetail_ProductID
ON Sales.SalesOrderDetail (ProductID)
ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER Sales.iduSalesOrderDetail ON Sales.SalesOrderDetail
AFTER INSERT, DELETE, UPDATE AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        -- If inserting or updating these columns
        IF UPDATE([ProductID]) OR UPDATE([OrderQty]) OR UPDATE([UnitPrice]) OR UPDATE([UnitPriceDiscount])
        -- Insert record into TransactionHistory
        BEGIN
            INSERT INTO [Production].[TransactionHistory]
                ([ProductID]
                ,[ReferenceOrderID]
                ,[ReferenceOrderLineID]
                ,[TransactionType]
                ,[TransactionDate]
                ,[Quantity]
                ,[ActualCost])
            SELECT
                inserted.[ProductID]
                ,inserted.[SalesOrderID]
                ,inserted.[SalesOrderDetailID]
                ,'S'
                ,GETDATE()
                ,inserted.[OrderQty]
                ,inserted.[UnitPrice]
            FROM inserted
                INNER JOIN [Sales].[SalesOrderHeader]
                    ON inserted.[SalesOrderID] = [Sales].[SalesOrderHeader].[SalesOrderID];

            UPDATE [Person].[Person]
            SET [Demographics].modify('declare default element namespace
                "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey"; &
                nbsp; replace value&
                nbsp;of (/IndividualSurvey/TotalPurchaseYTD)[1] &
                nbsp; with data(/IndividualSurvey/TotalPurchaseYTD)[1]&
                nbsp;+ sql:column ("inserted.LineTotal"')
            FROM inserted
                INNER JOIN [Sales].[SalesOrderHeader] AS SOH
                    ON inserted.[SalesOrderID] = SOH.[SalesOrderID]
                INNER JOIN [Sales].[Customer] AS C
                    ON SOH.[CustomerID] = C.[CustomerID]
            WHERE C.[PersonID] = [Person].[Person].[BusinessEntityID];
        END;

        -- Update SubTotal in SalesOrderHeader record. Note that
        -- this causes the
        -- SalesOrderHeader trigger to fire which will update the&
        nbsp;RevisionNumber.
        UPDATE [Sales].[SalesOrderHeader]
        SET [Sales].[SalesOrderHeader].[SubTotal] =
            (SELECT SUM([Sales].[SalesOrderDetail].[LineTotal])
            FROM [Sales].[SalesOrderDetail]
            WHERE [Sales].[SalesOrderHeader].[SalesOrderID] = [Sales].[SalesOrderDetail].[SalesOrderID])
        WHERE [Sales].[SalesOrderHeader].[SalesOrderID] IN (SELECT inserted.[SalesOrderID] FROM inserted);

        UPDATE [Person].[Person]
        SET [Demographics].modify('declare default element namespace
            "http://schemas.microsoft.com/
            sqlserver/2004/07/adventure-works/IndividualSurvey"; &
            nbsp; replace value of (/IndividualSurvey/TotalPurchaseYTD)[1] &
            nbsp; with data(/IndividualSurvey/
            TotalPurchaseYTD)[1] - sql:column("deleted.LineTotal"')
        FROM deleted
            INNER JOIN [Sales].[SalesOrderHeader]
                ON deleted.[SalesOrderID] = [Sales].[SalesOrderHeader].[SalesOrderID]
            INNER JOIN [Sales].[Customer]

```

```

        ON [Sales].[Customer].[CustomerID] = [Sales].[SalesOrderHeader].[CustomerID]
    WHERE [Sales].[Customer].[PersonID] = [Person].[Person].[BusinessEntityID];
END TRY
BEGIN CATCH
    EXECUTE [dbo].[uspPrintError];

    -- Rollback any active or uncommittable transactions before
    -- inserting information in the ErrorLog
    IF @@TRANCOUNT > 0
    BEGIN
        ROLLBACK TRANSACTION;
    END

    EXECUTE [dbo].[uspLogError];
END CATCH;
END;
GO

ALTER TABLE Sales.SalesOrderDetail
    ADD CONSTRAINT FK_SalesOrderDetail_SalesOrderHeader_SalesOrderID FOREIGN KEY (SalesOrderID) REFERENCES Sales.SalesOrderHeader (SalesOrderID) ON DELETE CASCADE
GO

ALTER TABLE Sales.SalesOrderDetail
    ADD CONSTRAINT FK_SalesOrderDetail_SpecialOfferProduct_SpecialOfferIDProductID FOREIGN KEY (SpecialOfferID, ProductID) REFERENCES Sales.SpecialOfferProduct (SpecialOfferID, ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Individual products associated with a specific sales order. See SalesOrderHeader.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to SalesOrderHeader. SalesOrderID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'SalesOrderID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. One incremental unique number per product sold.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'SalesOrderDetailID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipment tracking number supplied by the shipper.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'CarrierTrackingNumber'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Quantity ordered per product.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'OrderQty'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product sold to customer. Foreign key to Product.ProductID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Promotional code. Foreign key to SpecialOffer.SpecialOfferID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'SpecialOfferID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Selling price of a single product.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'UnitPrice'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Discount amount.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'UnitPriceDiscount'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'Per product subtotal. Computed as UnitPrice * (1 - UnitPriceDiscount) * OrderQty.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'LineTotal'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderDetail', 'COLUMN', N'ModifiedDate'
GO


```

Depends On

-  AdventureWorks2025
-  dbo.uspLogError
-  dbo.uspPrintError
-  Sales
-  Person.Person

 Production.TransactionHistory

 Sales.Customer

 Sales.SalesOrderHeader

 Sales.SpecialOfferProduct

Used By

No items found

Sales.SalesOrderHeader

Description

General sales order information.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	31465
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 26

Computed Columns 2

Name	Definition
SalesOrderNumber	(isnull(N'SO'+CONVERT([nvarchar](23),[SalesOrderID]),N'*** ERROR **'))
TotalDue	(isnull(((SubTotal]+[TaxAmt])+[Freight],(0)))

Indexes 5

Key	Name	Columns	Unique	Type	Description
	AK_SalesOrderHeader_rowguid	rowguid	True		
	AK_SalesOrderHeader_SalesOrderNumber	SalesOrderNumber	True		
	IX_SalesOrderHeader_CustomerID	CustomerID	False		
	IX_SalesOrderHeader_SalesPersonID	SalesPersonID	False		
	PK_SalesOrderHeader_SalesOrderID	SalesOrderID	True		

Triggers 1

Name	ANSI Nulls ON	Quoted Identifier ON	On	Not For Replication	Description
uSalesOrderHeader	True	True	AFTER UPDATE	True	

Check Constraints ⁶

Name	Columns	Condition	Description
CK_SalesOrderHeader_DueDate	DueDate, OrderDate	([DueDate]>=[OrderDate])	
CK_SalesOrderHeader_Freight	Freight	([Freight]>=(0.00))	
CK_SalesOrderHeader_ShipDate	ShipDate, OrderDate	([ShipDate]>=[OrderDate] OR [ShipDate] IS NULL)	
CK_SalesOrderHeader_Status	Status	([Status]>=(0) AND [Status]<=(8))	
CK_SalesOrderHeader_SubTotal	SubTotal	([SubTotal]>=(0.00))	
CK_SalesOrderHeader_TaxAmt	TaxAmt	([TaxAmt]>=(0.00))	

Foreign Keys ⁸

Name	Columns	Description
FK_SalesOrderHeader_Address_BillToAddressID	AddressID	
FK_SalesOrderHeader_Address_ShipToAddressID	AddressID	
FK_SalesOrderHeader_CreditCard_CreditCardID	CreditCardID	
FK_SalesOrderHeader_CurrencyRate_CurrencyRateID	CurrencyRateID	
FK_SalesOrderHeader_Customer_CustomerID	CustomerID	
FK_SalesOrderHeader_SalesPerson_SalesPersonID	BusinessEntityID	
FK_SalesOrderHeader_SalesTerritory_TerritoryID	TerritoryID	
FK_SalesOrderHeader_ShipMethod_ShipMethodID	ShipMethodID	

SQL Script

```
CREATE TABLE Sales.SalesOrderHeader (
    SalesOrderID int IDENTITY NOT FOR REPLICATION,
    RevisionNumber tinyint NOT NULL CONSTRAINT DF_SalesOrderHeader_RevisionNumber DEFAULT (0),
    OrderDate datetime NOT NULL CONSTRAINT DF_SalesOrderHeader_OrderDate DEFAULT (getdate()),
    DueDate datetime NOT NULL,
    ShipDate datetime NULL,
    Status tinyint NOT NULL CONSTRAINT DF_SalesOrderHeader_Status DEFAULT (1),
    OnlineOrderFlag dbo.Flag NOT NULL CONSTRAINT DF_SalesOrderHeader_OnlineOrderFlag DEFAULT (1),
    SalesOrderNumber AS (isnull(N'SO'+CONVERT([nvarchar](23),[SalesOrderID]),N'*** ERROR ***')),
    PurchaseOrderNumber dbo.OrderNumber NULL,
    AccountNumber dbo.AccountNumber NULL,
    CustomerID int NOT NULL,
    SalesPersonID int NULL,
    TerritoryID int NULL,
    BillToAddressID int NOT NULL,
    ShipToAddressID int NOT NULL,
    ShipMethodID int NOT NULL,
    CreditCardID int NULL,
    CreditCardApprovalCode varchar(15) NULL,
    CurrencyRateID int NULL,
    SubTotal money NOT NULL CONSTRAINT DF_SalesOrderHeader_SubTotal DEFAULT (0.00),
    TaxAmt money NOT NULL CONSTRAINT DF_SalesOrderHeader_TaxAmt DEFAULT (0.00),
    Freight money NOT NULL CONSTRAINT DF_SalesOrderHeader_Freight DEFAULT (0.00),
    TotalDue AS (isnull(([SubTotal]+[TaxAmt])+[Freight],(0))),
    Comment nvarchar(128) NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesOrderHeader_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesOrderHeader_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesOrderHeader_SalesOrderID PRIMARY KEY CLUSTERED (SalesOrderID),
    CONSTRAINT CK_SalesOrderHeader_DueDate CHECK ([DueDate]>=[OrderDate]),
    CONSTRAINT CK_SalesOrderHeader_Freight CHECK ([Freight]>=(0.00)),
    CONSTRAINT CK_SalesOrderHeader_ShipDate CHECK ([ShipDate]>=[OrderDate] OR [ShipDate] IS NULL),
    CONSTRAINT CK_SalesOrderHeader_Status CHECK ([Status]>=(0) AND [Status]<=(8)),
    CONSTRAINT CK_SalesOrderHeader_SubTotal CHECK ([SubTotal]>=(0.00)),
    CONSTRAINT CK_SalesOrderHeader_TaxAmt CHECK ([TaxAmt]>=(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesOrderHeader_rowguid
ON Sales.SalesOrderHeader (rowguid)
ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE UNIQUE INDEX AK_SalesOrderHeader_SalesOrderNumber
ON Sales.SalesOrderHeader (SalesOrderNumber)
```

```

ON [PRIMARY]
GO

CREATE INDEX IX_SalesOrderHeader_CustomerID
ON Sales.SalesOrderHeader (CustomerID)
ON [PRIMARY]
GO

CREATE INDEX IX_SalesOrderHeader_SalesPersonID
ON Sales.SalesOrderHeader (SalesPersonID)
ON [PRIMARY]
GO

SET ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER Sales.usSalesOrderHeader ON Sales.SalesOrderHeader
AFTER UPDATE NOT FOR REPLICATION AS
BEGIN
    DECLARE @Count int;

    SET @Count = @@ROWCOUNT;
    IF @Count = 0
        RETURN;

    SET NOCOUNT ON;

    BEGIN TRY
        -- Update RevisionNumber for modification of any field
        EXCEPT the Status.
        IF NOT UPDATE([Status])
            BEGIN
                UPDATE [Sales].[SalesOrderHeader]
                SET [Sales].[SalesOrderHeader].[RevisionNumber] =
                    [Sales].[SalesOrderHeader].[RevisionNumber] + 1
                WHERE [Sales].[SalesOrderHeader].[SalesOrderID] IN
                    (SELECT inserted.[SalesOrderID] FROM inserted);
            END;

        -- Update the SalesPerson SalesYTD when SubTotal is updated
        IF UPDATE([SubTotal])
            BEGIN
                DECLARE @StartDate datetime,
                        @EndDate datetime

                SET @StartDate = [dbo].[ufnGetAccountingStartDate]();
                SET @EndDate = [dbo].[ufnGetAccountingEndDate]();

                UPDATE [Sales].[SalesPerson]
                SET [Sales].[SalesPerson].[SalesYTD] =
                    (SELECT SUM([Sales].[SalesOrderHeader].[SubTotal])
                     FROM [Sales].[SalesOrderHeader]
                     WHERE [Sales].[SalesPerson].[BusinessEntityID] = [Sales].[SalesOrderHeader].[SalesPersonID]
                          AND ([Sales].[SalesOrderHeader].[Status] = 5) -- Shipped
                          AND [Sales].[SalesOrderHeader].[OrderDate] BETWEEN @StartDate AND @EndDate)
                WHERE [Sales].[SalesPerson].[BusinessEntityID]
                    IN (SELECT DISTINCT inserted.[SalesPersonID] FROM inserted
                      WHERE inserted.[OrderDate] BETWEEN @StartDate AND @EndDate);

                -- Update the SalesTerritory SalesYTD when SubTotal is&
                nbsp;updated
                UPDATE [Sales].[SalesTerritory]
                SET [Sales].[SalesTerritory].[SalesYTD] =
                    (SELECT SUM([Sales].[SalesOrderHeader].[SubTotal])
                     FROM [Sales].[SalesOrderHeader]
                     WHERE [Sales].[SalesTerritory].[TerritoryID] = [Sales].[SalesOrderHeader].[TerritoryID]
                          AND ([Sales].[SalesOrderHeader].[Status] = 5) -- Shipped
                          AND [Sales].[SalesOrderHeader].[OrderDate] BETWEEN @StartDate AND @EndDate)
                WHERE [Sales].[SalesTerritory].[TerritoryID]
                    IN (SELECT DISTINCT inserted.[TerritoryID] FROM inserted
                      WHERE inserted.[OrderDate] BETWEEN @StartDate AND @EndDate);
            END;
        END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspPrintError];

        -- Rollback any active or uncommittable transactions before
        -- inserting information in the ErrorLog
        IF @@TRANCOUNT > 0
            BEGIN
                ROLLBACK TRANSACTION;
            END

        EXECUTE [dbo].[uspLogError];
    END CATCH;
END;
GO

ALTER TABLE Sales.SalesOrderHeader
ADD CONSTRAINT FK_SalesOrderHeader_Address_BillToAddressID FOREIGN KEY (BillToAddressID) REFERENCES Person.

```

```

Address (AddressID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_Address_ShipToAddressID FOREIGN KEY (ShipToAddressID) REFERENCES Person.
Address (AddressID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_CreditCard_CreditCardID FOREIGN KEY (CreditCardID) REFERENCES Sales.CreditCard
(CreditCardID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_CurrencyRate_CurrencyRateID FOREIGN KEY (CurrencyRateID) REFERENCES Sales.
CurrencyRate (CurrencyRateID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_Customer_CustomerID FOREIGN KEY (CustomerID) REFERENCES Sales.Customer (
CustomerID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_SalesPerson_SalesPersonID FOREIGN KEY (SalesPersonID) REFERENCES Sales.
SalesPerson (BusinessEntityID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_SalesTerritory_TerritoryID FOREIGN KEY (TerritoryID) REFERENCES Sales.
SalesTerritory (TerritoryID)
GO

ALTER TABLE Sales.SalesOrderHeader
  ADD CONSTRAINT FK_SalesOrderHeader_ShipMethod_ShipMethodID FOREIGN KEY (ShipMethodID) REFERENCES Purchasing.
ShipMethod (ShipMethodID)
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'General sales order information.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Primary key.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'SalesOrderID'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Incremental number to track changes to the&
nbsp;sales order over time.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'RevisionNumber'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Dates the sales order was created.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'C
OLUMN', 'OrderDate'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Date the order is due to the customer.&#
39;', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'DueDate'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Date the order was shipped to the
customer.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'ShipDate'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Order current status. 1 = In process; 2&
nbsp;= Approved; 3 = Backordered; 4 = Rejected; 5 = Shipped;
6 = Cancelled', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'Status'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', '0 = Order placed by sales person. 1
= Order placed online by customer.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'OnlineOrderFlag'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Unique sales order identification number.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHead
er', 'COLUMN', 'SalesOrderNumber'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Customer purchase order number reference. ', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHea
der', 'COLUMN', 'PurchaseOrderNumber'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Financial accounting number reference.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader',
' COLUMN', 'AccountNumber'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Customer identification number. Foreign key to&
nbsp;Customer.BusinessEntityID.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'CustomerID'
GO

EXEC sys.sp_addextendedproperty 'MS_Description', 'Sales person who created the sales order.&
nbsp;Foreign key to SalesPerson.BusinessEntityID.', 'SCHEMA', 'Sales', 'TABLE', 'SalesOrderHeader', 'COLUMN', 'SalesPersonID'
GO

```

```

EXEC sys.sp_addextendedproperty N'MS_Description', N'Territory in which the sale was made.
Foreign key to SalesTerritory.SalesTerritoryID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'TerritoryID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Customer billing address. Foreign key to
Address.AddressID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'BillToAddressID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Customer shipping address. Foreign key to
Address.AddressID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'ShipToAddressID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping method. Foreign key to ShipMethod.
ShipMethodID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'ShipMethodID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Credit card identification number. Foreign key&
nbsp;to CreditCard.CreditCardID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'CreditCardID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Approval code provided by the credit card&
nbsp;company.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'CreditCardApprovalCode'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Currency exchange rate used. Foreign key to&
nbsp;CurrencyRate.CurrencyRateID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'CurrencyRateID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales subtotal. Computed as SUM(SalesOrderDetail.
LineTotal)for the appropriate SalesOrderID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'SubTotal'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Tax amount.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'TaxAmt'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shipping cost.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'Freight'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Total due from customer. Computed as Subtotal&
nbsp;+ TaxAmt + Freight.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'TotalDue'
GO

















EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales representative comments.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUM
N', N'Comment'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeader', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 16

-  AdventureWorks2025
-  dbo.uspLogError
-  dbo.uspPrintError
-  dbo.ufnGetAccountingEndDate
-  dbo.ufnGetAccountingStartDate
-  Sales
-  Person.Address
-  Purchasing.ShipMethod
-  Sales.CreditCard
-  Sales.CurrencyRate
-  Sales.Customer
-  Sales.SalesPerson
-  Sales.SalesTerritory
-  dbo.AccountNumber
-  dbo.Flag
-  dbo.OrderNumber

Used By 3

-  Sales.SalesOrderDetail
-  Sales.SalesOrderHeaderSalesReason
-  Sales.vSalesPersonSalesByFiscalYears

Sales.SalesOrderHeaderSalesReason







Description

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



Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	27647
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 3

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
  	SalesOrderID	int	4	10	0	True				False	False	Primary key. Foreign key to SalesOrderHeader.SalesOrderID.
  	SalesReasonID	int	4	10	0	True				False	False	Primary key. Foreign key to SalesReason.SalesReasonID.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
 	PK_SalesOrderHeaderSalesReason_SalesOrderID_SalesReasonID	SalesOrderID, SalesReasonID	True		

Foreign Keys 2

Name	Columns	Description
FK_SalesOrderHeaderSalesReason_SalesOrderHeader_SalesOrderID	SalesOrderID	
FK_SalesOrderHeaderSalesReason_SalesReason_SalesReasonID	SalesReasonID	

SQL Script

```

CREATE TABLE Sales.SalesOrderHeaderSalesReason (
  SalesOrderID int NOT NULL,
  SalesReasonID int NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesOrderHeaderSalesReason_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_SalesOrderHeaderSalesReason_SalesOrderID_SalesReasonID PRIMARY KEY CLUSTERED (SalesOrderID,
  SalesReasonID)
)
ON [PRIMARY]
GO

ALTER TABLE Sales.SalesOrderHeaderSalesReason
  ADD CONSTRAINT FK_SalesOrderHeaderSalesReason_SalesOrderHeader_SalesOrderID FOREIGN KEY (SalesOrderID) REFERENCES
  Sales.SalesOrderHeader (SalesOrderID) ON DELETE CASCADE
GO

ALTER TABLE Sales.SalesOrderHeaderSalesReason
  ADD CONSTRAINT FK_SalesOrderHeaderSalesReason_SalesReason_SalesReasonID FOREIGN KEY (SalesReasonID) REFERENCES
  Sales.SalesReason (SalesReasonID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping sales orders to
sales reason codes.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeaderSalesReason'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to SalesOrderHeader.
SalesOrderID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeaderSalesReason', 'COLUMN', N'SalesOrderID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to SalesReason.
SalesReasonID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeaderSalesReason', 'COLUMN', N'SalesReasonID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesOrderHeaderSalesReason', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  Sales
-  Sales.SalesOrderHeader
-  Sales.SalesReason

Used By

No items found

Sales.SalesPerson









Description

Sales representative current information.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	17
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 9

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Primary key for SalesPerson records. Foreign key to Employee.BusinessEntityID
	TerritoryID	int	4	10	0	False				False	False	Territory currently assigned to. Foreign key to SalesTerritory.SalesTerritoryID.
	SalesQuota	money	8	19	4	False				False	False	Projected yearly sales.
	Bonus	money	8	19	4	True			(0.00)	False	False	Bonus due if quota is met.
	CommissionPct	smallmoney	4	10	4	True			(0.00)	False	False	Commission percent received per sale.
	SalesYTD	money	8	19	4	True			(0.00)	False	False	Sales total year to date.
	SalesLastYear	money	8	19	4	True			(0.00)	False	False	Sales total of previous year.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.
--	--------------	----------	---	----	---	------	--	--	-------------	-------	-------	--

Indexes ²

Key	Name	Columns	Unique	Type	Description
	AK_SalesPerson_rowguid	rowguid	True		
	PK_SalesPerson_BusinessEntityID	BusinessEntityID	True		

Check Constraints ⁵

Name	Columns	Condition	Description
CK_SalesPerson_Bonus	Bonus	([Bonus]>=(0.00))	
CK_SalesPerson_CommissionPct	CommissionPct	([CommissionPct]>=(0.00))	
CK_SalesPerson_SalesLastYear	SalesLastYear	([SalesLastYear]>=(0.00))	
CK_SalesPerson_SalesQuota	SalesQuota	([SalesQuota]>(0.00))	
CK_SalesPerson_SalesYTD	SalesYTD	([SalesYTD]>=(0.00))	

Foreign Keys ²

Name	Columns	Description
FK_SalesPerson_Employee_BusinessEntityID	BusinessEntityID	
FK_SalesPerson_SalesTerritory_TerritoryID	TerritoryID	

SQL Script

```

CREATE TABLE Sales.SalesPerson (
    BusinessEntityID int NOT NULL,
    TerritoryID int NULL,
    SalesQuota money NULL,
    Bonus money NOT NULL CONSTRAINT DF_SalesPerson_Bonus DEFAULT (0.00),
    CommissionPct smallmoney NOT NULL CONSTRAINT DF_SalesPerson_CommissionPct DEFAULT (0.00),
    SalesYTD money NOT NULL CONSTRAINT DF_SalesPerson_SalesYTD DEFAULT (0.00),
    SalesLastYear money NOT NULL CONSTRAINT DF_SalesPerson_SalesLastYear DEFAULT (0.00),
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesPerson_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesPerson_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesPerson_BusinessEntityID PRIMARY KEY CLUSTERED (BusinessEntityID),
    CONSTRAINT CK_SalesPerson_Bonus CHECK ([Bonus]>=(0.00)),
    CONSTRAINT CK_SalesPerson_CommissionPct CHECK ([CommissionPct]>=(0.00)),
    CONSTRAINT CK_SalesPerson_SalesLastYear CHECK ([SalesLastYear]>=(0.00)),
    CONSTRAINT CK_SalesPerson_SalesQuota CHECK ([SalesQuota]>(0.00)),
    CONSTRAINT CK_SalesPerson_SalesYTD CHECK ([SalesYTD]>=(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesPerson_rowguid
ON Sales.SalesPerson (rowguid)
ON [PRIMARY]
GO

ALTER TABLE Sales.SalesPerson
ADD CONSTRAINT FK_SalesPerson_Employee_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES HumanResources.Employee (BusinessEntityID)
GO

ALTER TABLE Sales.SalesPerson
ADD CONSTRAINT FK_SalesPerson_SalesTerritory_TerritoryID FOREIGN KEY (TerritoryID) REFERENCES Sales.SalesTerritory (TerritoryID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales representative current information.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson'
GO

```

```

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for SalesPerson records. Foreign
key to Employee.BusinessEntityID', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Territory currently assigned to. Foreign key
to SalesTerritory.SalesTerritoryID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson', 'COLUMN', N'TerritoryID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Projected yearly sales.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson', 'CO
LUMN', N'SalesQuota'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Bonus due if quota is met.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson',
'COLUMN', N'Bonus'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Commision percent received per sale.', 'SCHEMA', N'Sales', 'TABLE', N'Sale
sPerson', 'COLUMN', N'CommissionPct'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales total year to date.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson', '
COLUMN', N'SalesYTD'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales total of previous year.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson'
, 'COLUMN', N'SalesLastYear'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson', 'COLUMN', N'rowguid'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPerson', 'COLUMN', N'ModifiedDate'
GO

```

Depends On ⁴

-  AdventureWorks2025
-  Sales
-  HumanResources.Employee
-  Sales.SalesTerritory

Used By ⁶

-  Sales.SalesOrderHeader
-  Sales.SalesPersonQuotaHistory
-  Sales.SalesTerritoryHistory
-  Sales.Store
-  Sales.vSalesPerson
-  Sales.vSalesPersonSalesByFiscalYears

Sales.SalesPersonQuotaHistory





Description

Sales performance tracking.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	163
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 5

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Sales person identification number. Foreign key to SalesPerson.BusinessEntityID.
	QuotaDate	datetime	8	23	3	True				False	False	Sales quota date.
	SalesQuota	money	8	19	4	True				False	False	Sales quota amount.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	AK_SalesPersonQuotaHistory_rowguid	rowguid	True		

	PK_SalesPersonQuotaHistory_BusinessEntityID_QuotaDate	BusinessEntityID, QuotaDate	True		
--	---	--------------------------------	------	--	--

Check Constraints ¹

Name	Columns	Condition	Description
CK_SalesPersonQuotaHistory_SalesQuota	SalesQuota	([SalesQuota]>(0.00))	

Foreign Keys ¹

Name	Columns	Description
FK_SalesPersonQuotaHistory_SalesPerson_BusinessEntityID	BusinessEntityID	

SQL Script

```

CREATE TABLE Sales.SalesPersonQuotaHistory (
    BusinessEntityID int NOT NULL,
    QuotaDate datetime NOT NULL,
    SalesQuota money NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesPersonQuotaHistory_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesPersonQuotaHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesPersonQuotaHistory_BusinessEntityID_QuotaDate PRIMARY KEY CLUSTERED (BusinessEntityID,
    QuotaDate),
    CONSTRAINT CK_SalesPersonQuotaHistory_SalesQuota CHECK ([SalesQuota]>(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesPersonQuotaHistory_rowguid
ON Sales.SalesPersonQuotaHistory (rowguid)
ON [PRIMARY]
GO

ALTER TABLE Sales.SalesPersonQuotaHistory
ADD CONSTRAINT FK_SalesPersonQuotaHistory_SalesPerson_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES
Sales.SalesPerson (BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales performance tracking.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPersonQ
uotaHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales person identification number. Foreign key&
nbsp;to SalesPerson.BusinessEntityID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPersonQuotaHistory', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales quota date.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPersonQuotaHisto
ry', 'COLUMN', N'QuotaDate'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales quota amount.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPersonQuotaHist
ory', 'COLUMN', N'SalesQuota'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPersonQuotaHistory', 'COLUMN', N'rowgui
d'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesPersonQuotaHistory', 'COLUMN', N'ModifiedDate'
GO

```

Depends On ³

-  AdventureWorks2025
-  Sales
-  Sales.SalesPerson

Used By

No items found

Sales.SalesReason


Description

Lookup table of customer purchase reasons.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	10
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	SalesReasonID	int	4	10	0	True	1 - 1			False	False	Primary key for SalesReason records.
	Name	dbo.Name	50	0	0	True				False	False	Sales reason description.
	ReasonType	dbo.Name	50	0	0	True				False	False	Category the sales reason belongs to.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 1

Key	Name	Columns	Unique	Type	Description
	PK_SalesReason_SalesReasonID	SalesReasonID	True		

SQL Script

```

CREATE TABLE Sales.SalesReason (
  SalesReasonID int IDENTITY,
  Name dbo.Name NOT NULL,
  ReasonType dbo.Name NOT NULL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesReason_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_SalesReason_SalesReasonID PRIMARY KEY CLUSTERED (SalesReasonID)
)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Lookup table of customer purchase reasons.', 'SCHEMA', N'Sales', 'TABLE', N'SalesReason'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for SalesReason records.', 'SCHEMA', N'Sales', 'TABLE', N'SalesReason', 'COLUMN', N'SalesReasonID'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales reason description.', 'SCHEMA', N'Sales', 'TABLE', N'SalesReason', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Category the sales reason belongs to.', 'SCHEMA', N'Sales', 'TABLE', N'SalesReason', 'COLUMN', N'ReasonType'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesReason', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 3

-  AdventureWorks2025
-  Sales
-  dbo.Name

Used By 1

-  Sales.SalesOrderHeaderSalesReason

Sales.SalesTaxRate




Description


Tax rate lookup table.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	29
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 7

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	SalesTaxRateID	int	4	10	0	True	1 - 1			False	False	Primary key for SalesTaxRate records.
	StateProvinceID	int	4	10	0	True				False	False	State, province, or country/region the sales tax applies to.
	TaxType	tinyint	1	3	0	True				False	False	1 = Tax applied to retail transactions, 2 = Tax applied to wholesale transactions, 3 = Tax applied to all sales (retail and wholesale) transactions.
	TaxRate	smallmoney	4	10	4	True			(0.00)	False	False	Tax rate amount.
	Name	dbo.Name	50	0	0	True				False	False	Tax rate description.

	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_SalesTaxRate_rowguid	rowguid	True		
	AK_SalesTaxRate_StateProvinceID_TaxType	StateProvinceID, TaxType	True		
	PK_SalesTaxRate_SalesTaxRateID	SalesTaxRateID	True		

Check Constraints 1

Name	Columns	Condition	Description
CK_SalesTaxRate_TaxType	TaxType	([TaxType]>=(1) AND [TaxType]<=(3))	

Foreign Keys 1

Name	Columns	Description
FK_SalesTaxRate_StateProvince_StateProvinceID	StateProvinceID	

SQL Script

```

CREATE TABLE Sales.SalesTaxRate (
    SalesTaxRateID int IDENTITY,
    StateProvinceID int NOT NULL,
    TaxType tinyint NOT NULL,
    TaxRate smallmoney NOT NULL CONSTRAINT DF_SalesTaxRate_TaxRate DEFAULT (0.00),
    Name dbo.Name NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesTaxRate_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesTaxRate_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesTaxRate_SalesTaxRateID PRIMARY KEY CLUSTERED (SalesTaxRateID),
    CONSTRAINT CK_SalesTaxRate_TaxType CHECK ([TaxType]>=(1) AND [TaxType]<=(3))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesTaxRate_rowguid
ON Sales.SalesTaxRate (rowguid)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesTaxRate_StateProvinceID_TaxType
ON Sales.SalesTaxRate (StateProvinceID, TaxType)
ON [PRIMARY]
GO

ALTER TABLE Sales.SalesTaxRate
ADD CONSTRAINT FK_SalesTaxRate_StateProvince_StateProvinceID FOREIGN KEY (StateProvinceID) REFERENCES Person.
StateProvince (StateProvinceID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Tax rate lookup table.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for SalesTaxRate records.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate', 'COLUMN', N'SalesTaxRateID'

```

```

GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'State, province, or country/region the sales
tax applies to.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate', 'COLUMN', N'StateProvinceID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'1 = Tax applied to retail transactions,
2 = Tax applied to wholesale transactions, 3 = Tax applied
to all sales (retail and wholesale) transactions.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate', 'COLUMN', N'TaxType'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Tax rate amount.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate', 'C
OLUMN', N'TaxRate'
GO





EXEC sys.sp_addextendedproperty N'MS_Description', N'Tax rate description.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate'
, 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTaxRate', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 4

-  AdventureWorks2025
-  Sales
-  Person.StateProvince
-  dbo.Name

Used By

No items found

Sales.SalesTerritory

Description


Sales territory lookup table.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	10
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 10

Indexes ³

Key	Name	Columns	Unique	Type	Description
	AK_SalesTerritory_Name	Name	True		
	AK_SalesTerritory_rowguid	rowguid	True		
	PK_SalesTerritory_TerritoryID	TerritoryID	True		

Check Constraints ⁴

Name	Columns	Condition	Description
CK_SalesTerritory_CostLastYear	CostLastYear	[(CostLastYear]>=(0.00))	
CK_SalesTerritory_CostYTD	CostYTD	[(CostYTD]>=(0.00))	
CK_SalesTerritory_SalesLastYear	SalesLastYear	[(SalesLastYear]>=(0.00))	
CK_SalesTerritory_SalesYTD	SalesYTD	[(SalesYTD]>=(0.00))	

Foreign Keys ¹

Name	Columns	Description
FK_SalesTerritory_CountryRegion_CountryRegionCode	CountryRegionCode	

SQL Script

```
CREATE TABLE Sales.SalesTerritory (
    TerritoryID int IDENTITY,
    Name dbo.Name NOT NULL,
    CountryRegionCode nvarchar(3) NOT NULL,
    [Group] nvarchar(50) NOT NULL,
    SalesYTD money NOT NULL CONSTRAINT DF_SalesTerritory_SalesYTD DEFAULT (0.00),
    SalesLastYear money NOT NULL CONSTRAINT DF_SalesTerritory_SalesLastYear DEFAULT (0.00),
    CostYTD money NOT NULL CONSTRAINT DF_SalesTerritory_CostYTD DEFAULT (0.00),
    CostLastYear money NOT NULL CONSTRAINT DF_SalesTerritory_CostLastYear DEFAULT (0.00),
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesTerritory_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesTerritory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesTerritory_TerritoryID PRIMARY KEY CLUSTERED (TerritoryID),
    CONSTRAINT CK_SalesTerritory_CostLastYear CHECK ([CostLastYear]>=(0.00)),
    CONSTRAINT CK_SalesTerritory_CostYTD CHECK ([CostYTD]>=(0.00)),
    CONSTRAINT CK_SalesTerritory_SalesLastYear CHECK ([SalesLastYear]>=(0.00)),
    CONSTRAINT CK_SalesTerritory_SalesYTD CHECK ([SalesYTD]>=(0.00))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesTerritory_Name
ON Sales.SalesTerritory (Name)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesTerritory_rowguid
ON Sales.SalesTerritory (rowguid)
ON [PRIMARY]
GO

ALTER TABLE Sales.SalesTerritory
ADD CONSTRAINT FK_SalesTerritory_CountryRegion_CountryRegionCode FOREIGN KEY (CountryRegionCode) REFERENCES
Person.CountryRegion (CountryRegionCode)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales territory lookup table.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for SalesTerritory records.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'TerritoryID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales territory description', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ISO standard country or region code. Foreign key to CountryRegion.CountryRegionCode.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'CountryRegionCode'
```

GO

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Geographic area to which the sales territory&
nbsp;belong.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'Group'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales in the territory year to date.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerrit
ory', 'COLUMN', N'SalesYTD'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales in the territory the previous year.', 'SCHEMA', N'Sales', 'TABLE', N'SalesT
erritory', 'COLUMN', N'SalesLastYear'
GO
```





```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Business costs in the territory year to
date.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'CostYTD'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Business costs in the territory the previous&
nbsp;year.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'CostLastYear'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'rowguid'
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritory', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 4

-  AdventureWorks2025
-  Sales
-  Person.CountryRegion
-  dbo.Name

Used By 7

-  Person.StateProvince
-  Sales.Customer
-  Sales.SalesOrderHeader
-  Sales.SalesPerson
-  Sales.SalesTerritoryHistory
-  Sales.vSalesPerson
-  Sales.vSalesPersonSalesByFiscalYears

Sales.SalesTerritoryHistory






Description

Sales representative transfers to other sales territories.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	17
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Primary key. The sales rep. Foreign key to SalesPerson.BusinessEntityID.
	TerritoryID	int	4	10	0	True				False	False	Primary key. Territory identification number. Foreign key to SalesTerritory.SalesTerritoryID.
	StartDate	datetime	8	23	3	True				False	False	Primary key. Date the sales representative started work in the territory.
	EndDate	datetime	8	23	3	False				False	False	Date the sales representative left work in the territory.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes ²

Key	Name	Columns	Unique	Type	Description
	AK_SalesTerritoryHistory_rowguid	rowguid	True		
	PK_SalesTerritoryHistory_BusinessEntityID_StartDate_TerritoryID	BusinessEntityID, StartDate, TerritoryID	True		

Check Constraints ¹

Name	Columns	Condition	Description
CK_SalesTerritoryHistory_EndDate	EndDate, StartDate	([EndDate]>=[StartDate] OR [EndDate] IS NULL)	

Foreign Keys ²

Name	Columns	Description
FK_SalesTerritoryHistory_SalesPerson_BusinessEntityID	BusinessEntityID	
FK_SalesTerritoryHistory_SalesTerritory_TerritoryID	TerritoryID	

SQL Script

```
CREATE TABLE Sales.SalesTerritoryHistory (
    BusinessEntityID int NOT NULL,
    TerritoryID int NOT NULL,
    StartDate datetime NOT NULL,
    EndDate datetime NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SalesTerritoryHistory_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SalesTerritoryHistory_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SalesTerritoryHistory_BusinessEntityID_StartDate_TerritoryID PRIMARY KEY CLUSTERED (
        BusinessEntityID, StartDate, TerritoryID),
    CONSTRAINT CK_SalesTerritoryHistory_EndDate CHECK ([EndDate]>=[StartDate] OR [EndDate] IS NULL)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SalesTerritoryHistory_rowguid
ON Sales.SalesTerritoryHistory (rowguid)
ON [PRIMARY]
GO

ALTER TABLE Sales.SalesTerritoryHistory
ADD CONSTRAINT FK_SalesTerritoryHistory_SalesPerson_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES
Sales.SalesPerson (BusinessEntityID)
GO

ALTER TABLE Sales.SalesTerritoryHistory
ADD CONSTRAINT FK_SalesTerritoryHistory_SalesTerritory_TerritoryID FOREIGN KEY (TerritoryID) REFERENCES Sales.
SalesTerritory (TerritoryID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sales representative transfers to other sales
territories.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. The sales rep. Foreign key&
nbsp;to SalesPerson.BusinessEntityID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Territory identification number.
Foreign key to SalesTerritory.SalesTerritoryID.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory', 'COLUMN', N'TerritoryID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Date the sales representative
started work in the territory.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory', 'COLUMN', N'StartDate'
GO




EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the sales representative left work in&
nbsp;the territory.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory', 'COLUMN', N'EndDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
```

```
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory', 'COLUMN', N'rowguid'  
GO
```

```
EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last  
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SalesTerritoryHistory', 'COLUMN', N'ModifiedDate'  
GO
```

Depends On 4

-  AdventureWorks2025
-  Sales
-  Sales.SalesPerson
-  Sales.SalesTerritory

Used By

No items found

Sales.ShoppingCartItem





Description

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


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	3
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	ShoppingCartItemID	int	4	10	0	True	1 - 1			False	False	Primary key for ShoppingCartItem records.
	ShoppingCartID	nvarchar	50	0	0	True				False	False	Shopping cart identification number.
	Quantity	int	4	10	0	True			(1)	False	False	Product quantity ordered.
	ProductID	int	4	10	0	True				False	False	Product ordered. Foreign key to Product.ProductID.
	DateCreated	datetime	8	23	3	True			(getdate())	False	False	Date the time the record was created.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 2

Key	Name	Columns	Unique	Type	Description
	IX_ShoppingCartItem_ShoppingCartID_ProductID	ShoppingCartID, ProductID	False		
	PK_ShoppingCartItem_ShoppingCartItemID	ShoppingCartItemID	True		

Check Constraints 1

Name	Columns	Condition	Description
CK_ShoppingCartItem_Quantity	Quantity	([Quantity]>=(1))	

Foreign Keys 1

Name	Columns	Description
FK_ShoppingCartItem_Product_ProductID	ProductID	

SQL Script

```
CREATE TABLE Sales.ShoppingCartItem (
    ShoppingCartItemID int IDENTITY,
    ShoppingCartID nvarchar(50) NOT NULL,
    Quantity int NOT NULL CONSTRAINT DF_ShoppingCartItem_Quantity DEFAULT (1),
    ProductID int NOT NULL,
    DateCreated datetime NOT NULL CONSTRAINT DF_ShoppingCartItem_DateCreated DEFAULT (getdate()),
    ModifiedDate datetime NOT NULL CONSTRAINT DF_ShoppingCartItem_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_ShoppingCartItem_ShoppingCartItemID PRIMARY KEY CLUSTERED (ShoppingCartItemID),
    CONSTRAINT CK_ShoppingCartItem_Quantity CHECK ([Quantity]>=(1))
)
ON [PRIMARY]
GO

CREATE INDEX IX_ShoppingCartItem_ShoppingCartID_ProductID
ON Sales.ShoppingCartItem (ShoppingCartID, ProductID)
ON [PRIMARY]
GO

ALTER TABLE Sales.ShoppingCartItem
ADD CONSTRAINT FK_ShoppingCartItem_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
ProductID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contains online customer orders until the
order is submitted or cancelled.', 'SCHEMA', N'Sales', 'TABLE', N'ShoppingCartItem'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for ShoppingCartItem records.', 'SCHEMA', N'Sales', 'TA
BLE', N'ShoppingCartItem', 'COLUMN', N'ShoppingCartItemID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Shopping cart identification number.', 'SCHEMA', N'Sales', 'TABLE',
N'ShoppingCartItem', 'COLUMN', N'ShoppingCartID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product quantity ordered.', 'SCHEMA', N'Sales', 'TABLE', N'Shopping
CartItem', 'COLUMN', N'Quantity'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product ordered. Foreign key to Product.ProductID.&
#39;', 'SCHEMA', N'Sales', 'TABLE', N'ShoppingCartItem', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date the time the record was created.', 'SCHEMA', N'Sales', 'TABLE',
N'ShoppingCartItem', 'COLUMN', N'DateCreated'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'ShoppingCartItem', 'COLUMN', N'ModifiedDate'
```

Depends On 3

 AdventureWorks2025

 Sales

 Production.Product

Used By

No items found

Sales.SpecialOffer





Description




Sale discounts lookup table.

Properties


Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	16
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 11

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	SpecialOfferID	int	4	10	0	True	1 - 1			False	False	Primary key for SpecialOffer records.
	Description	nvarchar	255	0	0	True				False	False	Discount description.
	DiscountPct	smallmoney	4	10	4	True			(0.00)	False	False	Discount percentage.
	Type	nvarchar	50	0	0	True				False	False	Discount type category.
	Category	nvarchar	50	0	0	True				False	False	Group the discount applies to such as Reseller or Customer.
	StartDate	datetime	8	23	3	True				False	False	Discount start date.
	EndDate	datetime	8	23	3	True				False	False	Discount end date.

	MinQty	int	4	10	0	True		(0)	False	False	Minimum discount percent allowed.
	MaxQty	int	4	10	0	False			False	False	Maximum discount percent allowed.
	rowguid	uniqueidentifier	16	0	0	True		(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True		(getdate())	False	False	Date and time the record was last updated.

Indexes ²

Key	Name	Columns	Unique	Type	Description
	AK_SpecialOffer_rowguid	rowguid	True		
	PK_SpecialOffer_SpecialOfferID	SpecialOfferID	True		

Check Constraints ⁴

Name	Columns	Condition	Description
CK_SpecialOffer_DiscountPct	DiscountPct	([DiscountPct]>=(0.00))	
CK_SpecialOffer_EndDate	EndDate, StartDate	([EndDate]>=[StartDate])	
CK_SpecialOffer_MaxQty	MaxQty	([MaxQty]>=(0))	
CK_SpecialOffer_MinQty	MinQty	([MinQty]>=(0))	

SQL Script

```

CREATE TABLE Sales.SpecialOffer (
    SpecialOfferID int IDENTITY,
    Description nvarchar(255) NOT NULL,
    DiscountPct smallmoney NOT NULL CONSTRAINT DF_SpecialOffer_DiscountPct DEFAULT (0.00),
    Type nvarchar(50) NOT NULL,
    Category nvarchar(50) NOT NULL,
    StartDate datetime NOT NULL,
    EndDate datetime NOT NULL,
    MinQty int NOT NULL CONSTRAINT DF_SpecialOffer_MinQty DEFAULT (0),
    MaxQty int NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SpecialOffer_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SpecialOffer_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SpecialOffer_SpecialOfferID PRIMARY KEY CLUSTERED (SpecialOfferID),
    CONSTRAINT CK_SpecialOffer_DiscountPct CHECK ([DiscountPct]>=(0.00)),
    CONSTRAINT CK_SpecialOffer_EndDate CHECK ([EndDate]>=[StartDate]),
    CONSTRAINT CK_SpecialOffer_MaxQty CHECK ([MaxQty]>=(0)),
    CONSTRAINT CK_SpecialOffer_MinQty CHECK ([MinQty]>=(0))
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SpecialOffer_rowguid
ON Sales.SpecialOffer (rowguid)
ON [PRIMARY]
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Sale discounts lookup table.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for SpecialOffer records.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer', 'COLUMN', N'SpecialOfferID'

```

```

GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Discount description.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer',
, 'COLUMN', N'Description'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Discount precentage.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer',
, 'COLUMN', N'DiscountPct'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Discount type category.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer',
, 'COLUMN', N'Type'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Group the discount applies to such as
Reseller or Customer.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer', 'COLUMN', N'Category'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Discount start date.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer',
, 'COLUMN', N'StartDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Discount end date.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer',
, 'COLUMN', N'EndDate'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Minimum discount percent allowed.', 'SCHEMA', N'Sales', 'TABLE', N'
SpecialOffer', 'COLUMN', N'MinQty'
GO


EXEC sys.sp_addextendedproperty N'MS_Description', N'Maximum discount percent allowed.', 'SCHEMA', N'Sales', 'TABLE', N'
SpecialOffer', 'COLUMN', N'MaxQty'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOffer', 'COLUMN', N'ModifiedDate'
GO

```

Depends On 2

 AdventureWorks2025

 Sales

Used By 1

 Sales.SpecialOfferProduct

Sales.SpecialOfferProduct




Description

Cross-reference table mapping products to special offer discounts.


Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	538
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 4

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	SpecialOfferID	int	4	10	0	True				False	False	Primary key for SpecialOfferProduct records.
	ProductID	int	4	10	0	True				False	False	Product identification number. Foreign key to Product.ProductID.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 3

Key	Name	Columns	Unique	Type	Description
	AK_SpecialOfferProduct_rowguid	rowguid	True		
	IX_SpecialOfferProduct_ProductID	ProductID	False		
	PK_SpecialOfferProduct_SpecialOfferID_ProductID	SpecialOfferID, ProductID	True		

Foreign Keys 2

Name	Columns	Description
FK_SpecialOfferProduct_Product_ProductID	ProductID	
FK_SpecialOfferProduct_SpecialOffer_SpecialOfferID	SpecialOfferID	

SQL Script

```
CREATE TABLE Sales.SpecialOfferProduct (
    SpecialOfferID int NOT NULL,
    ProductID int NOT NULL,
    rowguid uniqueidentifier NOT NULL CONSTRAINT DF_SpecialOfferProduct_rowguid DEFAULT (newid()) ROWGUIDCOL,
    ModifiedDate datetime NOT NULL CONSTRAINT DF_SpecialOfferProduct_ModifiedDate DEFAULT (getdate()),
    CONSTRAINT PK_SpecialOfferProduct_SpecialOfferID_ProductID PRIMARY KEY CLUSTERED (SpecialOfferID, ProductID)
)
ON [PRIMARY]
GO

CREATE UNIQUE INDEX AK_SpecialOfferProduct_rowguid
ON Sales.SpecialOfferProduct (rowguid)
ON [PRIMARY]
GO

CREATE INDEX IX_SpecialOfferProduct_ProductID
ON Sales.SpecialOfferProduct (ProductID)
ON [PRIMARY]
GO

ALTER TABLE Sales.SpecialOfferProduct
ADD CONSTRAINT FK_SpecialOfferProduct_Product_ProductID FOREIGN KEY (ProductID) REFERENCES Production.Product (
ProductID)
GO

ALTER TABLE Sales.SpecialOfferProduct
ADD CONSTRAINT FK_SpecialOfferProduct_SpecialOffer_SpecialOfferID FOREIGN KEY (SpecialOfferID) REFERENCES Sales.
SpecialOffer (SpecialOfferID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Cross-reference table mapping products to special&
nbsp;offer discounts.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOfferProduct'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key for SpecialOfferProduct records.', 'SCHEMA', N'Sales',
'TABLE', N'SpecialOfferProduct', 'COLUMN', N'SpecialOfferID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Product identification number. Foreign key to
Product.ProductID.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOfferProduct', 'COLUMN', N'ProductID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOfferProduct', 'COLUMN', N'row
uid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'SpecialOfferProduct', 'COLUMN', N'ModifiedDate'
GO
```

Depends On 3

 Sales

 Production.Product

 Sales.SpecialOffer

Used By 1

 Sales.SalesOrderDetail

Sales.Store





Description

Customers (resellers) of Adventure Works products.

Properties

Name	Value
File Collation	
File Group	
Filestream File Group	
Is Partitioned	False
Partitioned Column	
Partition Scheme	
File Groups	
Filestream Partition Scheme	
Filestream File Groups	
Heap	False
Full Text Catalog	
Full Text	
Compression	NONE
Row Count (~)	701
Created	11/14/2025 1:01:07 PM
Last Modified	11/14/2025 1:01:21 PM

Columns 6

Key	Name	Data Type	Length	Precision	Scale	Not Null	Identity	Rule	Default	Computed	Persisted	Description
	BusinessEntityID	int	4	10	0	True				False	False	Primary key. Foreign key to Customer.BusinessEntityID.
	Name	dbo.Name	50	0	0	True				False	False	Name of the store.
	SalesPersonID	int	4	10	0	False				False	False	ID of the sales person assigned to the customer. Foreign key to SalesPerson.BusinessEntityID.
	Demographics	Sales.StoreSurveySchemaCollection		0	0	False				False	False	Demographic information about the store such as the number of employees, annual sales and store type.
	rowguid	uniqueidentifier	16	0	0	True			(newid())	False	False	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
	ModifiedDate	datetime	8	23	3	True			(getdate())	False	False	Date and time the record was last updated.

Indexes 4

Key	Name	Columns	Unique	Type	Description
	AK_Store_rowguid	rowguid	True		
	IX_Store_SalesPersonID	SalesPersonID	False		

	PK_Store_BusinessEntityID	BusinessEntityID	True		
	PXML_Store_Demographics	Demographics	False		

Foreign Keys 2

Name	Columns	Description
FK_Store_BusinessEntity_BusinessEntityID	BusinessEntityID	
FK_Store_SalesPerson_SalesPersonID	BusinessEntityID	

SQL Script

```

CREATE TABLE Sales.Store (
  BusinessEntityID int NOT NULL,
  Name dbo.Name NOT NULL,
  SalesPersonID int NULL,
  Demographics xml (CONTENT Sales.StoreSurveySchemaCollection) NULL,
  rowguid uniqueidentifier NOT NULL CONSTRAINT DF_Store_rowguid DEFAULT (newid()) ROWGUIDCOL,
  ModifiedDate datetime NOT NULL CONSTRAINT DF_Store_ModifiedDate DEFAULT (getdate()),
  CONSTRAINT PK_Store_BusinessEntityID PRIMARY KEY CLUSTERED (BusinessEntityID)
)
ON [PRIMARY]
TEXTIMAGE_ON [PRIMARY]
GO

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE PRIMARY XML INDEX PXML_Store_Demographics
  ON Sales.Store (Demographics)
GO

CREATE UNIQUE INDEX AK_Store_rowguid
  ON Sales.Store (rowguid)
  ON [PRIMARY]
GO

CREATE INDEX IX_Store_SalesPersonID
  ON Sales.Store (SalesPersonID)
  ON [PRIMARY]
GO

ALTER TABLE Sales.Store
  ADD CONSTRAINT FK_Store_BusinessEntity_BusinessEntityID FOREIGN KEY (BusinessEntityID) REFERENCES Person.
  BusinessEntity (BusinessEntityID)
GO

ALTER TABLE Sales.Store
  ADD CONSTRAINT FK_Store_SalesPerson_SalesPersonID FOREIGN KEY (SalesPersonID) REFERENCES Sales.SalesPerson (
  BusinessEntityID)
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Customers (resellers) of Adventure Works products.&
#39;;', 'SCHEMA', N'Sales', 'TABLE', N'Store'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Primary key. Foreign key to Customer.
BusinessEntityID.', 'SCHEMA', N'Sales', 'TABLE', N'Store', 'COLUMN', N'BusinessEntityID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Name of the store.', 'SCHEMA', N'Sales', 'TABLE', N'Store', 'COLUMN', N'Name'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'ID of the sales person assigned to the&
nbsp;customer. Foreign key to SalesPerson.BusinessEntityID.', 'SCHEMA', N'Sales', 'TABLE', N'Store', 'COLUMN', N'SalesPersonID'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Demographic informationg about the store such
as the number of employees, annual sales and store type.', 'SCHEMA', N'Sales', 'TABLE', N'Store', 'COLUMN', N'Demographics'
GO






EXEC sys.sp_addextendedproperty N'MS_Description', N'ROWGUIDCOL number uniquely identifying the record.&
nbsp;Used to support a merge replication sample.', 'SCHEMA', N'Sales', 'TABLE', N'Store', 'COLUMN', N'rowguid'
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Date and time the record was last
updated.', 'SCHEMA', N'Sales', 'TABLE', N'Store', 'COLUMN', N'ModifiedDate'
GO


```

Depends On 6

 AdventureWorks2025

-  Sales
-  Person.BusinessEntity
-  Sales.SalesPerson
-  dbo.Name
-  Sales.StoreSurveySchemaCollection

Used By 5

-  Sales.Customer
-  dbo.ufnGetContactInformation
-  Sales.vStoreWithAddresses
-  Sales.vStoreWithContacts
-  Sales.vStoreWithDemographics

Views

Objects 20

Name	Description
HumanResources.vEmployee	
HumanResources.vEmployeeDepartment	
HumanResources.vEmployeeDepartmentHistory	
HumanResources.vJobCandidate	
HumanResources.vJobCandidateEducation	
HumanResources.vJobCandidateEmployment	
Person.vAdditionalContactInfo	
Person.vStateProvinceCountryRegion	
Production.vProductAndDescription	
Production.vProductModelCatalogDescription	
Production.vProductModelInstructions	
Purchasing.vVendorWithAddresses	
Purchasing.vVendorWithContacts	
Sales.vIndividualCustomer	
Sales.vPersonDemographics	
Sales.vSalesPerson	
Sales.vSalesPersonSalesByFiscalYears	
Sales.vStoreWithAddresses	
Sales.vStoreWithContacts	
Sales.vStoreWithDemographics	

HumanResources.vEmployee

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 18

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

SQL Script














```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
```

```

CREATE OR ALTER VIEW HumanResources.vEmployee
AS
SELECT
    e.[BusinessEntityID]
    ,p.[Title]
    ,p.[FirstName]
    ,p.[MiddleName]
    ,p.[LastName]
    ,p.[Suffix]
    ,e.[JobTitle]
    ,pp.[PhoneNumber]
    ,pnt.[Name] AS [PhoneNumberType]
    ,ea.[EmailAddress]
    ,p.[EmailPromotion]
    ,a.[AddressLine1]
    ,a.[AddressLine2]
    ,a.[City]
    ,sp.[Name] AS [StateProvinceName]
    ,a.[PostalCode]
    ,cr.[Name] AS [CountryRegionName]
    ,p.[AdditionalContactInfo]
FROM [HumanResources].[Employee] e
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = e.[BusinessEntityID]
INNER JOIN [Person].[BusinessEntityAddress] bea
ON bea.[BusinessEntityID] = e.[BusinessEntityID]
INNER JOIN [Person].[Address] a
ON a.[AddressID] = bea.[AddressID]
INNER JOIN [Person].[StateProvince] sp
ON sp.[StateProvinceID] = a.[StateProvinceID]
INNER JOIN [Person].[CountryRegion] cr
ON cr.[CountryRegionCode] = sp.[CountryRegionCode]
LEFT OUTER JOIN [Person].[PersonPhone] pp
ON pp.BusinessEntityID = p.[BusinessEntityID]
LEFT OUTER JOIN [Person].[PhoneNumberType] pnt
ON pp.[PhoneNumberTypeID] = pnt.[PhoneNumberTypeID]
LEFT OUTER JOIN [Person].[EmailAddress] ea
ON p.[BusinessEntityID] = ea.[BusinessEntityID];
GO

```

Depends On 13

-  HumanResources
-  HumanResources.Employee
-  Person.Address
-  Person.BusinessEntityAddress
-  Person.CountryRegion
-  Person.EmailAddress
-  Person.Person
-  Person.PersonPhone
-  Person.PhoneNumberType
-  Person.StateProvince
-  dbo.Name
-  dbo.Phone
-  Person.AdditionalContactInfoSchemaCollection

Used By

No items found

HumanResources.vEmployeeDepartment

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 10

Key	Name	Description
	BusinessEntityID	
	Title	
	FirstName	
	MiddleName	
	LastName	
	Suffix	
	JobTitle	
	Department	
	GroupName	
	StartDate	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW HumanResources.vEmployeeDepartment
AS
SELECT
    e.[BusinessEntityID]
    ,p.[Title]
    ,p.[FirstName]
    ,p.[MiddleName]
    ,p.[LastName]
    ,p.[Suffix]
    ,e.[JobTitle]
    ,d.[Name] AS [Department]
    ,d.[GroupName]
    ,edh.[StartDate]
FROM [HumanResources].[Employee] e
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = e.[BusinessEntityID]
```

```
INNER JOIN [HumanResources].[EmployeeDepartmentHistory] edh
ON e.[BusinessEntityID] = edh.[BusinessEntityID]
INNER JOIN [HumanResources].[Department] d
ON edh.[DepartmentID] = d.[DepartmentID]
WHERE edh.EndDate IS NULL
GO
```

Depends On 6



HumanResources



HumanResources.Department



HumanResources.Employee



HumanResources.EmployeeDepartmentHistory



Person.Person



dbo.Name

Used By

No items found

HumanResources.vEmployeeDepartmentHistory

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 11

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






SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW HumanResources.vEmployeeDepartmentHistory
AS
SELECT
    e.[BusinessEntityID]
    ,p.[Title]
    ,p.[FirstName]
    ,p.[MiddleName]
    ,p.[LastName]
    ,p.[Suffix]
    ,s.[Name] AS [Shift]
    ,d.[Name] AS [Department]
    ,d.[GroupName]
    ,edh.[StartDate]
    ,edh.[EndDate]
```

```
FROM [HumanResources].[Employee] e
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = e.[BusinessEntityID]
INNER JOIN [HumanResources].[EmployeeDepartmentHistory] edh
ON e.[BusinessEntityID] = edh.[BusinessEntityID]
INNER JOIN [HumanResources].[Department] d
ON edh.[DepartmentID] = d.[DepartmentID]
INNER JOIN [HumanResources].[Shift] s
ON s.[ShiftID] = edh.[ShiftID];
GO
```

Depends On 7

-  [HumanResources](#)
-  [HumanResources.Department](#)
-  [HumanResources.Employee](#)
-  [HumanResources.EmployeeDepartmentHistory](#)
-  [HumanResources.Shift](#)
-  [Person.Person](#)
-  [dbo.Name](#)

Used By

No items found

HumanResources.vJobCandidate

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 16

Key	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	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW HumanResources.vJobCandidate
AS
SELECT
    jc.[JobCandidateID]
```

```

,jc.[BusinessEntityID]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/Name/Name.Prefix)[1]', 'nvarchar(30)') AS [Name.Prefix]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/Name/Name.First)[1]', 'nvarchar(30)') AS [Name.First]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/Name/Name.Middle)[1]', 'nvarchar(30)') AS [Name.Middle]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/Name/Name.Last)[1]', 'nvarchar(30)') AS [Name.Last]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/Name/Name.Suffix)[1]', 'nvarchar(30)') AS [Name.Suffix]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/Skills)[1]', 'nvarchar(max)') AS [Skills]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Address/Addr.Type)[1]', 'nvarchar(30)') AS [Addr.Type]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Address/Addr.Location/Location/Loc.CountryRegion)[1]', 'nvarchar(100)') AS [Addr.Loc.CountryRegion]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Address/Addr.Location/Location/Loc.State)[1]', 'nvarchar(100)') AS [Addr.Loc.State]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Address/Addr.Location/Location/Loc.City)[1]', 'nvarchar(100)') AS [Addr.Loc.City]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Address/Addr.PostalCode)[1]', 'nvarchar(20)') AS [Addr.PostalCode]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/EMail)[1]', 'nvarchar(max)') AS [EMail]
,[Resume].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/
Resume/WebSite)[1]', 'nvarchar(max)') AS [WebSite]
,jc.[ModifiedDate]
FROM [HumanResources].[JobCandidate] jc
CROSS APPLY jc.[Resume].nodes(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (/Resume') AS Resume(ref);
GO

```

Depends On ²



HumanResources



HumanResources.JobCandidate

Used By

No items found

HumanResources.vJobCandidateEducation

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 13

Key	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	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW HumanResources.vJobCandidateEducation
AS
SELECT
    jc.[JobCandidateID]
    ,[Education].ref.value(N'declare default element namespace "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
    Edu.Level)[1]', 'nvarchar(max)') AS [Edu.Level]
    ,CONVERT(datetime, REPLACE([Education].ref.value(N'declare default element namespace&
    nbsp;"http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume";
    (Edu.StartDate)[1]', 'nvarchar(20)', 'Z', ''), 101) AS [Edu.StartDate]
```

```

, CONVERT(datetime, REPLACE([Education].ref.value(N'declare default element namespace&
nbsp;"http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume";
(Edu.EndDate)[1]', 'nvarchar(20)', 'Z', ''), 101) AS [Edu.EndDate]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.Degree)[1]', 'nvarchar(50)') AS [Edu.Degree]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.Major)[1]', 'nvarchar(50)') AS [Edu.Major]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.Minor)[1]', 'nvarchar(50)') AS [Edu.Minor]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.GPA)[1]', 'nvarchar(5)') AS [Edu.GPA]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.GPAScale)[1]', 'nvarchar(5)') AS [Edu.GPAScale]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.School)[1]', 'nvarchar(100)') AS [Edu.School]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.Location/Location/Loc.CountryRegion)[1]', 'nvarchar(100)') AS [Edu.Loc.CountryRegion]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.Location/Location/Loc.State)[1]', 'nvarchar(100)') AS [Edu.Loc.State]
,[Education].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; (
Edu.Location/Location/Loc.City)[1]', 'nvarchar(100)') AS [Edu.Loc.City]
FROM [HumanResources].[JobCandidate] jc
CROSS APPLY jc.[Resume].nodes(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume"; /Resume/Education') AS [Education](ref);
GO

```

Depends On 2



HumanResources



HumanResources.JobCandidate

Used By

No items found

HumanResources.vJobCandidateEmployment

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 11

Key	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	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW HumanResources.vJobCandidateEmployment
AS
SELECT
    jc.[JobCandidateID]
    , CONVERT(datetime, REPLACE([Employment].ref.value(N'declare default element namespace&
    nbsp;"http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume";
    (Emp.StartDate)[1]', 'nvarchar(20)'), 'Z', ''), 101) AS [Emp.StartDate]
    , CONVERT(datetime, REPLACE([Employment].ref.value(N'declare default element namespace&
    nbsp;"http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume";
    (Emp.EndDate)[1]', 'nvarchar(20)'), 'Z', ''), 101) AS [Emp.EndDate]
    , [Employment].ref.value(N'declare default element namespace "http://schemas.
    microsoft.com/sqlserver/2004/07/adventure-works/Resume";
    (
    Emp.OrgName)[1]', 'nvarchar(100)') AS [Emp.OrgName]
    , [Employment].ref.value(N'declare default element namespace "http://schemas.
```

```

microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.JobTitle)[1]', 'nvarchar(100)') AS [Emp.JobTitle]
,[Employment].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.Responsibility)[1]', 'nvarchar(max)') AS [Emp.Responsibility]
,[Employment].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.FunctionCategory)[1]', 'nvarchar(max)') AS [Emp.FunctionCategory]
,[Employment].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.IndustryCategory)[1]', 'nvarchar(max)') AS [Emp.IndustryCategory]
,[Employment].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.Location/Location/Loc.CountryRegion)[1]', 'nvarchar(max)') AS [Emp.Loc.CountryRegion]
,[Employment].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.Location/Location/Loc.State)[1]', 'nvarchar(max)') AS [Emp.Loc.State]
,[Employment].ref.value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      (
Emp.Location/Location/Loc.City)[1]', 'nvarchar(max)') AS [Emp.Loc.City]
FROM [HumanResources].[JobCandidate] jc
CROSS APPLY jc.[Resume].nodes(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/Resume";      /Resume/Employment') AS Employment(ref);
GO

```

Depends On 2



HumanResources



HumanResources.JobCandidate

Used By

No items found

Person.vAdditionalContactInfo

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:23 PM

Columns 17

Key	Name	Description
	BusinessEntityID	
	FirstName	
	MiddleName	
	LastName	
	TelephoneNumber	
	TelephoneSpecialInstructions	
	Street	
	City	
	StateProvince	
	PostalCode	
	CountryRegion	
	HomeAddressSpecialInstructions	
	EMailAddress	
	EMailSpecialInstructions	
	EMailTelephoneNumber	
	rowguid	
	ModifiedDate	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Person.vAdditionalContactInfo
AS
```

SELECT

```
[BusinessEntityID]
,[FirstName]
,[MiddleName]
,[LastName]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:telephoneNumber)[1]/act:number', 'nvarchar(50)') AS [TelephoneNumber]
,LTRIM(RTRIM([ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; (act:telephoneNumber/act:SpecialInstructions/text())[1]', 'nvarchar(max)')))) AS [TelephoneSpecialInstructions]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:homePostalAddress/act:Street)[1]', 'nvarchar(50)') AS [Street]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:homePostalAddress/act:City)[1]', 'nvarchar(50)') AS [City]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:homePostalAddress/act:StateProvince)[1]', 'nvarchar(50)') AS [StateProvince]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:homePostalAddress/act:PostalCode)[1]', 'nvarchar(50)') AS [PostalCode]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:homePostalAddress/act:CountryRegion)[1]', 'nvarchar(50)') AS [CountryRegion]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:homePostalAddress/act:SpecialInstructions/text())[1]', 'nvarchar(max)') AS [HomeAddressSpecialInstructions]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:email/act:emailAddress)[1]', 'nvarchar(128)') AS [EmailAddress]
,LTRIM(RTRIM([ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; (act:email/act:SpecialInstructions/text())[1]', 'nvarchar(max)')))) AS [EmailSpecialInstructions]
,[ContactInfo].ref.value(N'declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; declare namespace act="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactTypes"; & nbsp; (act:email/act:SpecialInstructions/act:telephoneNumber/act:number)[1]', 'nvarchar(50)') AS [EmailTelephoneNumber]
,[rowguid]
,[ModifiedDate]
FROM [Person].[Person]
OUTER APPLY [AdditionalContactInfo].nodes('declare namespace ci="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ContactInfo"; /ci:AdditionalContactInfo') AS ContactInfo(ref)
WHERE [AdditionalContactInfo] IS NOT NULL;
GO
```

Depends On 3



Person



Person.Person



dbo.Name

Used By

No items found



Person.vStateProvinceCountryRegion

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	True
Created	11/14/2025 1:01:22 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 7

Key	Name	Description
	StateProvinceID	
	StateProvinceCode	
	IsOnlyStateProvinceFlag	
	StateProvinceName	
	TerritoryID	
	CountryRegionCode	
	CountryRegionName	

Indexes 1

Key	Name	Columns	Unique	Type	Description
	IX_vStateProvinceCountryRegion	StateProvinceID, CountryRegionCode	True		

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Person.vStateProvinceCountryRegion
WITH SCHEMABINDING
AS
SELECT
    sp.[StateProvinceID]
    ,sp.[StateProvinceCode]
    ,sp.[IsOnlyStateProvinceFlag]
    ,sp.[Name] AS [StateProvinceName]
    ,sp.[TerritoryID]
    ,cr.[CountryRegionCode]
    ,cr.[Name] AS [CountryRegionName]
FROM [Person].[StateProvince] sp
INNER JOIN [Person].[CountryRegion] cr
ON sp.[CountryRegionCode] = cr.[CountryRegionCode];
GO
```

```
CREATE UNIQUE CLUSTERED INDEX IX_vStateProvinceCountryRegion
ON Person.vStateProvinceCountryRegion (StateProvinceID, CountryRegionCode)
ON [PRIMARY]
GO
```

Depends On 5

 Person

 Person.CountryRegion

 Person.StateProvince

 dbo.Flag

 dbo.Name

Used By

No items found



Production.vProductAndDescription

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	True
Created	11/14/2025 1:01:22 PM
Last Modified	11/14/2025 1:01:22 PM

Columns 5

Key	Name	Description
	ProductID	
	Name	
	ProductModel	
	CultureID	
	Description	

Indexes 1

Key	Name	Columns	Unique	Type	Description
	IX_vProductAndDescription	CultureID, ProductID	True		

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Production.vProductAndDescription
WITH SCHEMABINDING
AS
-- View (indexed or standard) to display products and product
descriptions by language.
SELECT
    p.[ProductID]
    ,p.[Name]
    ,pm.[Name] AS [ProductModel]
    ,pmx.[CultureID]
    ,pd.[Description]
FROM [Production].[Product] p
INNER JOIN [Production].[ProductModel] pm
ON p.[ProductModelID] = pm.[ProductModelID]
INNER JOIN [Production].[ProductModelProductDescriptionCulture] pmx
ON pm.[ProductModelID] = pmx.[ProductModelID]
INNER JOIN [Production].[ProductDescription] pd
ON pmx.[ProductDescriptionID] = pd.[ProductDescriptionID];
GO
```

```
CREATE UNIQUE CLUSTERED INDEX IX_vProductAndDescription
ON Production.vProductAndDescription (CultureID, ProductID)
ON [PRIMARY]
GO
```

Depends On 6



Production



Production.Product



Production.ProductDescription



Production.ProductModel



Production.ProductModelProductDescriptionCulture



dbo.Name

Used By

No items found

Production.vProductModelCatalogDescription

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 25

Key	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	

SQL Script

```

SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Production.vProductModelCatalogDescription
AS
SELECT
    [ProductModelID]
    , [Name]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace html="http://www.w3.org/1999/xhtml";
    &
    nbsp; (/p1:ProductDescription/p1:Summary/html:p)[1]', 'nvarchar(max)') AS [Summary]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;(/p1:ProductDescription/p1:Manufacturer/p1:Name)[1]', 'nvarchar(max)') AS [Manufacturer]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;(/p1:ProductDescription/p1:Manufacturer/p1:Copyright)[1]', 'nvarchar(30)') AS [Copyright]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;(/p1:ProductDescription/p1:Manufacturer/p1:ProductURL)[1]', 'nvarchar(256)') AS [ProductURL]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wm="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/
ProductModelWarrAndMain";
    (/p1:ProductDescription/p1:
Features/wm:Warranty/wm:WarrantyPeriod)[1]', 'nvarchar(256)') AS [WarrantyPeriod]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wm="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/
ProductModelWarrAndMain";
    (/p1:ProductDescription/p1:
Features/wm:Warranty/wm:Description)[1]', 'nvarchar(256)') AS [WarrantyDescription]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wm="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/
ProductModelWarrAndMain";
    (/p1:ProductDescription/p1:
Features/wm:Maintenance/wm:NoOfYears)[1]', 'nvarchar(256)') AS [NoOfYears]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wm="http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/
ProductModelWarrAndMain";
    (/p1:ProductDescription/p1:
Features/wm:Maintenance/wm:Description)[1]', 'nvarchar(256)') AS [MaintenanceDescription]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wf="http://www.adventure-works.com/schemas/OtherFeatures";
    &
    nbsp; (/p1:ProductDescription/p1:Features/wf:wheel)[1]', 'nvarchar(256)') AS [Wheel]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wf="http://www.adventure-works.com/schemas/OtherFeatures";
    &
    nbsp; (/p1:ProductDescription/p1:Features/wf:saddle)[1]', 'nvarchar(256)') AS [Saddle]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wf="http://www.adventure-works.com/schemas/OtherFeatures";
    &
    nbsp; (/p1:ProductDescription/p1:Features/wf:pedal)[1]', 'nvarchar(256)') AS [Pedal]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wf="http://www.adventure-works.com/schemas/OtherFeatures";
    &
    nbsp; (/p1:ProductDescription/p1:Features/wf:BikeFrame)[1]', 'nvarchar(max)') AS [BikeFrame]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;declare namespace wf="http://www.adventure-works.com/schemas/OtherFeatures";
    &
    nbsp; (/p1:ProductDescription/p1:Features/wf:crankset)[1]', 'nvarchar(256)') AS [Crankset]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";
    &
    nbsp;(/p1:ProductDescription/p1:Picture/p1:Angle)[1]', 'nvarchar(256)') AS [PictureAngle]
    , [CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/




```

```

sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Picture/p1:Size)[1]', 'nvarchar(256)') AS [PictureSize]
,[CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Picture/p1:ProductPhotoID)[1]', 'nvarchar(256)') AS [ProductPhotoID]
,[CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Specifications/Material)[1]', 'nvarchar(256)') AS [Material]
,[CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Specifications/Color)[1]', 'nvarchar(256)') AS [Color]
,[CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Specifications/ProductLine)[1]', 'nvarchar(256)') AS [ProductLine]
,[CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Specifications/Style)[1]', 'nvarchar(256)') AS [Style]
,[CatalogDescription].value(N'declare namespace p1="http://schemas.microsoft.com/
sqlserver/2004/07/adventure-works/ProductModelDescription";      &
nbsp;( /p1:ProductDescription/p1:Specifications/RiderExperience)[1]', 'nvarchar(1024)') AS [RiderExperience]
,[rowguid]
,[ModifiedDate]
FROM [Production].[ProductModel]
WHERE [CatalogDescription] IS NOT NULL;
GO

```

Depends On 3

-  Production
-  Production.ProductModel
-  dbo.Name

Used By

No items found

Production.vProductModelInstructions

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 11

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

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Production.vProductModelInstructions
AS
SELECT
    [ProductModelID]
    ,[Name]
    ,[Instructions].value(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/ProductModelManuInstructions";
    &
    nbsp; (/root/text())[1]', 'nvarchar(max)') AS [Instructions]
    ,[MfgInstructions].ref.value('@LocationID[1]', 'int') AS [LocationID]
    ,[MfgInstructions].ref.value('@SetupHours[1]', 'decimal(9, 4)') AS [SetupHours]
    ,[MfgInstructions].ref.value('@MachineHours[1]', 'decimal(9, 4)') AS [MachineHours]
    ,[MfgInstructions].ref.value('@LaborHours[1]', 'decimal(9, 4)') AS [LaborHours]
    ,[MfgInstructions].ref.value('@LotSize[1]', 'int') AS [LotSize]
    ,[Steps].ref.value('string(.)[1]', 'nvarchar(1024)') AS [Step]
```

```
    , [rowguid]
    , [ModifiedDate]
FROM [Production].[ProductModel]
CROSS APPLY [Instructions].nodes(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/ProductModelManuInstructions"; /root/
Location') MfgInstructions(ref)
CROSS APPLY [MfgInstructions].ref.nodes('declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/ProductModelManuInstructions";
step') Steps(ref);
GO
```

Depends On 3

 Production

 Production.ProductModel

 dbo.Name

Used By

No items found

Purchasing.vVendorWithAddresses

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 9

Key	Name	Description
	BusinessEntityID	
	Name	
	AddressType	
	AddressLine1	
	AddressLine2	
	City	
	StateProvinceName	
	PostalCode	
	CountryRegionName	

SQL Script









```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Purchasing.vVendorWithAddresses AS
SELECT
    v.[BusinessEntityID]
    ,v.[Name]
    ,at.[Name] AS [AddressType]
    ,a.[AddressLine1]
    ,a.[AddressLine2]
    ,a.[City]
    ,sp.[Name] AS [StateProvinceName]
    ,a.[PostalCode]
    ,cr.[Name] AS [CountryRegionName]
FROM [Purchasing].[Vendor] v
INNER JOIN [Person].[BusinessEntityAddress] bea
ON bea.[BusinessEntityID] = v.[BusinessEntityID]
INNER JOIN [Person].[Address] a
ON a.[AddressID] = bea.[AddressID]
INNER JOIN [Person].[StateProvince] sp
ON sp.[StateProvinceID] = a.[StateProvinceID]
```

```
INNER JOIN [Person].[CountryRegion] cr
ON cr.[CountryRegionCode] = sp.[CountryRegionCode]
INNER JOIN [Person].[AddressType] at
ON at.[AddressTypeID] = bea.[AddressTypeID];
```

GO

Depends On 8

-  Purchasing
-  Person.Address
-  Person.AddressType
-  Person.BusinessEntityAddress
-  Person.CountryRegion
-  Person.StateProvince
-  Purchasing.Vendor
-  dbo.Name

Used By

No items found

Purchasing.vVendorWithContacts

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 12

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











SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Purchasing.vVendorWithContacts AS
SELECT
    v.[BusinessEntityID]
  ,v.[Name]
  ,ct.[Name] AS [ContactType]
  ,p.[Title]
  ,p.[FirstName]
  ,p.[MiddleName]
  ,p.[LastName]
  ,p.[Suffix]
  ,pp.[PhoneNumber]
  ,pnt.[Name] AS [PhoneNumberType]
```

```
    ,ea.[EmailAddress]
    ,p.[EmailPromotion]
FROM [Purchasing].[Vendor] v
    INNER JOIN [Person].[BusinessEntityContact] bec
    ON bec.[BusinessEntityID] = v.[BusinessEntityID]
    INNER JOIN [Person].[ContactType] ct
    ON ct.[ContactTypeID] = bec.[ContactTypeID]
    INNER JOIN [Person].[Person] p
    ON p.[BusinessEntityID] = bec.[PersonID]
    LEFT OUTER JOIN [Person].[EmailAddress] ea
    ON ea.[BusinessEntityID] = p.[BusinessEntityID]
    LEFT OUTER JOIN [Person].[PersonPhone] pp
    ON pp.[BusinessEntityID] = p.[BusinessEntityID]
    LEFT OUTER JOIN [Person].[PhoneNumberType] pnt
    ON pnt.[PhoneNumberTypeID] = pp.[PhoneNumberTypeID];
GO
```

Depends On 10

-  Purchasing
-  Person.BusinessEntityContact
-  Person.ContactType
-  Person.EmailAddress
-  Person.Person
-  Person.PersonPhone
-  Person.PhoneNumberType
-  Purchasing.Vendor
-  dbo.Name
-  dbo.Phone

Used By

No items found

Sales.vIndividualCustomer

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 18

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

SQL Script















```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
```

```

CREATE OR ALTER VIEW Sales.vIndividualCustomer
AS
SELECT
    p.[BusinessEntityID]
    ,p.[Title]
    ,p.[FirstName]
    ,p.[MiddleName]
    ,p.[LastName]
    ,p.[Suffix]
    ,pp.[PhoneNumber]
    ,pnt.[Name] AS [PhoneNumberType]
    ,ea.[EmailAddress]
    ,p.[EmailPromotion]
    ,at.[Name] AS [AddressType]
    ,a.[AddressLine1]
    ,a.[AddressLine2]
    ,a.[City]
    ,[StateProvinceName] = sp.[Name]
    ,a.[PostalCode]
    ,[CountryRegionName] = cr.[Name]
    ,p.[Demographics]
FROM [Person].[Person] p
INNER JOIN [Person].[BusinessEntityAddress] bea
ON bea.[BusinessEntityID] = p.[BusinessEntityID]
INNER JOIN [Person].[Address] a
ON a.[AddressID] = bea.[AddressID]
INNER JOIN [Person].[StateProvince] sp
ON sp.[StateProvinceID] = a.[StateProvinceID]
INNER JOIN [Person].[CountryRegion] cr
ON cr.[CountryRegionCode] = sp.[CountryRegionCode]
INNER JOIN [Person].[AddressType] at
ON at.[AddressTypeID] = bea.[AddressTypeID]
INNER JOIN [Sales].[Customer] c
ON c.[PersonID] = p.[BusinessEntityID]
LEFT OUTER JOIN [Person].[EmailAddress] ea
ON ea.[BusinessEntityID] = p.[BusinessEntityID]
LEFT OUTER JOIN [Person].[PersonPhone] pp
ON pp.[BusinessEntityID] = p.[BusinessEntityID]
LEFT OUTER JOIN [Person].[PhoneNumberType] pnt
ON pnt.[PhoneNumberTypeID] = pp.[PhoneNumberTypeID]
WHERE c.StoreID IS NULL;
GO

```

Depends On 14

-  Sales
-  Person.Address
-  Person.AddressType
-  Person.BusinessEntityAddress
-  Person.CountryRegion
-  Person.EmailAddress
-  Person.Person
-  Person.PersonPhone
-  Person.PhoneNumberType
-  Person.StateProvince
-  Sales.Customer
-  dbo.Name
-  dbo.Phone
-  Person.IndividualSurveySchemaCollection

Used By

No items found

Sales.vPersonDemographics

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 13

Key	Name	Description
	BusinessEntityID	
	TotalPurchaseYTD	
	DateFirstPurchase	
	BirthDate	
	MaritalStatus	
	YearlyIncome	
	Gender	
	TotalChildren	
	NumberChildrenAtHome	
	Education	
	Occupation	
	HomeOwnerFlag	
	NumberCarsOwned	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Sales.vPersonDemographics
AS
SELECT
    p.[BusinessEntityID]
    , [IndividualSurvey].[ref].[value](N'declare default element namespace "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey"; &
    nbsp; TotalPurchaseYTD[1]', 'money') AS [TotalPurchaseYTD]
    , CONVERT(datetime, REPLACE([IndividualSurvey].[ref].[value](N'declare default element namespace "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey"; &
    nbsp; DateFirstPurchase[1]', 'nvarchar(20)') , 'Z', '')) , 101) AS [DateFirstPurchase]
```

```

, CONVERT(datetime, REPLACE([IndividualSurvey].[ref].[value](N'declare default element
namespace "http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey"; &
nbsp;      BirthDate[1]', 'nvarchar(20)') , 'Z', ''), 101) AS [BirthDate]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      MaritalStatus[1]', 'nvarchar(1)') AS [MaritalStatus]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      YearlyIncome[1]', 'nvarchar(30)') AS [YearlyIncome]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      Gender[1]', 'nvarchar(1)') AS [Gender]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      TotalChildren[1]', 'integer') AS [TotalChildren]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      NumberChildrenAtHome[1]', 'integer') AS [NumberChildrenAtHome]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      Education[1]', 'nvarchar(30)') AS [Education]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      Occupation[1]', 'nvarchar(30)') AS [Occupation]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      HomeOwnerFlag[1]', 'bit') AS [HomeOwnerFlag]
, [IndividualSurvey].[ref].[value](N'declare default element namespace "http://
schemas.microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      &
nbsp;      NumberCarsOwned[1]', 'integer') AS [NumberCarsOwned]
FROM [Person].[Person] p
CROSS APPLY p.[Demographics].nodes(N'declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/IndividualSurvey";      /IndividualSurvey&#
39;) AS [IndividualSurvey](ref)
WHERE [Demographics] IS NOT NULL;
GO

```

Depends On ²



Sales



Person.Person

Used By

No items found

Sales.vSalesPerson

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 22

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

SQL Script

```



SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Sales.vSalesPerson
AS
SELECT
    s.[BusinessEntityID]
    ,p.[Title]
    ,p.[FirstName]
    ,p.[MiddleName]
    ,p.[LastName]
    ,p.[Suffix]
    ,e.[JobTitle]
    ,pp.[PhoneNumber]
    ,pnt.[Name] AS [PhoneNumberType]
    ,ea.[EmailAddress]
    ,p.[EmailPromotion]
    ,a.[AddressLine1]
    ,a.[AddressLine2]
    ,a.[City]
    ,[StateProvinceName] = sp.[Name]
    ,a.[PostalCode]
    ,[CountryRegionName] = cr.[Name]
    ,[TerritoryName] = st.[Name]
    ,[TerritoryGroup] = st.[Group]
    ,s.[SalesQuota]
    ,s.[SalesYTD]
    ,s.[SalesLastYear]
FROM [Sales].[SalesPerson] s
    INNER JOIN [HumanResources].[Employee] e
    ON e.[BusinessEntityID] = s.[BusinessEntityID]
    INNER JOIN [Person].[Person] p
    ON p.[BusinessEntityID] = s.[BusinessEntityID]
    INNER JOIN [Person].[BusinessEntityAddress] bea
    ON bea.[BusinessEntityID] = s.[BusinessEntityID]
    INNER JOIN [Person].[Address] a
    ON a.[AddressID] = bea.[AddressID]
    INNER JOIN [Person].[StateProvince] sp
    ON sp.[StateProvinceID] = a.[StateProvinceID]
    INNER JOIN [Person].[CountryRegion] cr
    ON cr.[CountryRegionCode] = sp.[CountryRegionCode]
    LEFT OUTER JOIN [Sales].[SalesTerritory] st
    ON st.[TerritoryID] = s.[TerritoryID]
    LEFT OUTER JOIN [Person].[EmailAddress] ea
    ON ea.[BusinessEntityID] = p.[BusinessEntityID]
    LEFT OUTER JOIN [Person].[PersonPhone] pp
    ON pp.[BusinessEntityID] = p.[BusinessEntityID]
    LEFT OUTER JOIN [Person].[PhoneNumberType] pnt
    ON pnt.[PhoneNumberTypeID] = pp.[PhoneNumberTypeID];
GO

```

Depends On 14

-  Sales
-  HumanResources.Employee
-  Person.Address
-  Person.BusinessEntityAddress
-  Person.CountryRegion
-  Person.EmailAddress
-  Person.Person
-  Person.PersonPhone
-  Person.PhoneNumberType
-  Person.StateProvince
-  Sales.SalesPerson
-  Sales.SalesTerritory

 dbo.Name
 dbo.Phone

Used By

No items found

Sales.vSalesPersonSalesByFiscalYears

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 7

Key	Name	Description
	SalesPersonID	
	FullName	
	JobTitle	
	SalesTerritory	
	2002	
	2003	
	2004	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Sales.vSalesPersonSalesByFiscalYears
AS
SELECT
    pvt.[SalesPersonID]
    ,pvt.[FullName]
    ,pvt.[JobTitle]
    ,pvt.[SalesTerritory]
    ,pvt.[2002]
    ,pvt.[2003]
    ,pvt.[2004]
FROM (SELECT
    soh.[SalesPersonID]
    ,p.[FirstName] + ' ' + COALESCE(p.[MiddleName], '') + ' ' + p.[LastName] AS [FullName]
    ,e.[JobTitle]
    ,st.[Name] AS [SalesTerritory]
    ,soh.[SubTotal]
    ,YEAR(DATEADD(m, 6, soh.[OrderDate])) AS [FiscalYear]
FROM [Sales].[SalesPerson] sp
INNER JOIN [Sales].[SalesOrderHeader] soh
ON sp.[BusinessEntityID] = soh.[SalesPersonID]
INNER JOIN [Sales].[SalesTerritory] st
ON sp.[TerritoryID] = st.[TerritoryID]
```

```
INNER JOIN [HumanResources].[Employee] e
ON soh.[SalesPersonID] = e.[BusinessEntityID]
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = sp.[BusinessEntityID]
) AS soh
PIVOT
(
SUM([SubTotal])
FOR [FiscalYear]
IN ([2002], [2003], [2004])
) AS pvt;
GO
```

Depends On 7

-  Sales
-  HumanResources.Employee
-  Person.Person
-  Sales.SalesOrderHeader
-  Sales.SalesPerson
-  Sales.SalesTerritory
-  dbo.Name

Used By

No items found

Sales.vStoreWithAddresses

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 9

Key	Name	Description
	BusinessEntityID	
	Name	
	AddressType	
	AddressLine1	
	AddressLine2	
	City	
	StateProvinceName	
	PostalCode	
	CountryRegionName	

SQL Script









```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Sales.vStoreWithAddresses AS
SELECT
    s.[BusinessEntityID]
    ,s.[Name]
    ,at.[Name] AS [AddressType]
    ,a.[AddressLine1]
    ,a.[AddressLine2]
    ,a.[City]
    ,sp.[Name] AS [StateProvinceName]
    ,a.[PostalCode]
    ,cr.[Name] AS [CountryRegionName]
FROM [Sales].[Store] s
INNER JOIN [Person].[BusinessEntityAddress] bea
ON bea.[BusinessEntityID] = s.[BusinessEntityID]
INNER JOIN [Person].[Address] a
ON a.[AddressID] = bea.[AddressID]
INNER JOIN [Person].[StateProvince] sp
ON sp.[StateProvinceID] = a.[StateProvinceID]
```

```
INNER JOIN [Person].[CountryRegion] cr
ON cr.[CountryRegionCode] = sp.[CountryRegionCode]
INNER JOIN [Person].[AddressType] at
ON at.[AddressTypeID] = bea.[AddressTypeID];
```

GO

Depends On 8

-  Sales
-  Person.Address
-  Person.AddressType
-  Person.BusinessEntityAddress
-  Person.CountryRegion
-  Person.StateProvince
-  Sales.Store
-  dbo.Name

Used By

No items found

Sales.vStoreWithContacts

Description

Properties

Name	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Schema Bound	False
Created	11/14/2025 1:01:22 PM
Last Modified	2/12/2026 4:03:24 PM

Columns 12

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











SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER VIEW Sales.vStoreWithContacts AS
SELECT
    s.[BusinessEntityID]
  ,s.[Name]
  ,ct.[Name] AS [ContactType]
  ,p.[Title]
  ,p.[FirstName]
  ,p.[MiddleName]
  ,p.[LastName]
  ,p.[Suffix]
  ,pp.[PhoneNumber]
  ,pnt.[Name] AS [PhoneNumberType]
```

```
,ea.[EmailAddress]
,p.[EmailPromotion]
FROM [Sales].[Store] s
INNER JOIN [Person].[BusinessEntityContact] bec
ON bec.[BusinessEntityID] = s.[BusinessEntityID]
INNER JOIN [Person].[ContactType] ct
ON ct.[ContactTypeID] = bec.[ContactTypeID]
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = bec.[PersonID]
LEFT OUTER JOIN [Person].[EmailAddress] ea
ON ea.[BusinessEntityID] = p.[BusinessEntityID]
LEFT OUTER JOIN [Person].[PersonPhone] pp
ON pp.[BusinessEntityID] = p.[BusinessEntityID]
LEFT OUTER JOIN [Person].[PhoneNumberType] pnt
ON pnt.[PhoneNumberTypeID] = pp.[PhoneNumberTypeID];
GO
```

Depends On 10

-  Sales
-  Person.BusinessEntityContact
-  Person.ContactType
-  Person.EmailAddress
-  Person.Person
-  Person.PersonPhone
-  Person.PhoneNumberType
-  Sales.Store
-  dbo.Name
-  dbo.Phone

Used By

No items found


```
    nbsp;(/StoreSurvey/BankName)[1]', 'nvarchar(50)') AS [BankName]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/BusinessType)[1]', 'nvarchar(5)') AS [BusinessType]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/YearOpened)[1]', 'integer') AS [YearOpened]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/Specialty)[1]', 'nvarchar(50)') AS [Specialty]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/SquareFeet)[1]', 'integer') AS [SquareFeet]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/Brands)[1]', 'nvarchar(30)') AS [Brands]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/Internet)[1]', 'nvarchar(30)') AS [Internet]
    ,s.[Demographics].value('declare default element namespace "http://schemas.
microsoft.com/sqlserver/2004/07/adventure-works/StoreSurvey";
    &
    nbsp;(/StoreSurvey/NumberEmployees)[1]', 'integer') AS [NumberEmployees]
FROM [Sales].[Store] s;
GO
```

Depends On 3

-  Sales
-  Sales.Store
-  dbo.Name

Used By


No items found

Programmability

Objects 4

 [Stored Procedures](#)

 [Functions](#)

 [Database Triggers](#)

 [Types](#)

Stored Procedures

Objects 11

Name	Description
dbo.usp_get_employee_encrypted	
dbo.uspGetBillOfMaterials	
dbo.uspGetEmployeeManagers	
dbo.uspGetManagerEmployees	
dbo.uspGetWhereUsedProductID	
dbo.uspLogError	
dbo.uspPrintError	
dbo.uspSearchCandidateResumes	
HumanResources.uspUpdateEmployeeHireInfo	
HumanResources.uspUpdateEmployeeLogin	
HumanResources.uspUpdateEmployeePersonalInfo	

dbo.usp_get_employee_encrypted

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	True
Execute As	
Assembly	

Parameters 1

Name	Data Type	Length	Description
@employee_id	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
create OR ALTER procedure dbo.usp_get_employee_encrypted
    @employee_id int
with encryption
as
begin
    -- Encrypted stored procedure
    select
        employee_id,
        first_name,
        last_name
    from dbo.employees
    where employee_id = @employee_id;
end;
GO
```

Depends On

No items found

Used By

No items found

dbo.uspGetBillOfMaterials

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 2

Name	Data Type	Length	Description
@StartProductID	int	4	
@CheckDate	datetime	8	

SQL Script



```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE dbo.uspGetBillOfMaterials
    @StartProductID [int],
    @CheckDate [datetime]
AS
BEGIN
    SET NOCOUNT ON;

    -- Use recursive query to generate a multi-level Bill of
    Material (i.e. all level 1
    -- components of a level 0 assembly, all level 2
    components of a level 1 assembly)
    -- The CheckDate eliminates any components that are no longer&
    nbsp;used in the product on this date.
    WITH [BOM_cte]([ProductAssemblyID], [ComponentID], [ComponentDesc], [PerAssemblyQty], [StandardCost],
    [ListPrice], [BOMLevel], [RecursionLevel]) -- CTE name and columns
    AS (
        SELECT b.[ProductAssemblyID], b.[ComponentID], p.[Name], b.[PerAssemblyQty], p.[StandardCost], p.
        [ListPrice], b.[BOMLevel], 0 -- Get the initial list of components&
        nbsp;for the bike assembly
        FROM [Production].[BillofMaterials] b
            INNER JOIN [Production].[Product] p
            ON b.[ComponentID] = p.[ProductID]
        WHERE b.[ProductAssemblyID] = @StartProductID
            AND @CheckDate >= b.[StartDate]
            AND @CheckDate <= ISNULL(b.[EndDate], @CheckDate)
        UNION ALL
        SELECT b.[ProductAssemblyID], b.[ComponentID], p.[Name], b.[PerAssemblyQty], p.[StandardCost], p.
        [ListPrice], b.[BOMLevel], [RecursionLevel] + 1 -- Join recursive member to&
        nbsp;anchor
        FROM [BOM_cte] cte
            INNER JOIN [Production].[BillofMaterials] b
            ON b.[ProductAssemblyID] = cte.[ComponentID]
            INNER JOIN [Production].[Product] p
            ON b.[ComponentID] = p.[ProductID]
        WHERE @CheckDate >= b.[StartDate]
            AND @CheckDate <= ISNULL(b.[EndDate], @CheckDate)
    )
)
```

```
-- Outer select from the CTE
SELECT b.[ProductAssemblyID], b.[ComponentID], b.[ComponentDesc], SUM(b.[PerAssemblyQty]) AS [TotalQuantity] ,
b.[StandardCost], b.[ListPrice], b.[BOMLevel], b.[RecursionLevel]
FROM [BOM_cte] b
GROUP BY b.[ComponentID], b.[ComponentDesc], b.[ProductAssemblyID], b.[BOMLevel], b.[RecursionLevel], b.
[StandardCost], b.[ListPrice]
ORDER BY b.[BOMLevel], b.[ProductAssemblyID], b.[ComponentID]
OPTION (MAXRECURSION 25)
END;
GO
```

Depends On ²

-  [Production.BillOfMaterials](#)
-  [Production.Product](#)

Used By

No items found

dbo.uspGetEmployeeManagers

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 1

Name	Data Type	Length	Description
@BusinessEntityID	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE dbo.uspGetEmployeeManagers
    @BusinessEntityID [int]
AS
BEGIN
    SET NOCOUNT ON;

    -- Use recursive query to list out all Employees required
    for a particular Manager
    WITH [EMP_cte]([BusinessEntityID], [OrganizationNode], [FirstName], [LastName], [JobTitle], [RecursionLevel])
    AS (
        SELECT e.[BusinessEntityID], e.[OrganizationNode], p.[FirstName], p.[LastName], e.[JobTitle], 0 --&
            nbsp;Get the initial Employee
        FROM [HumanResources].[Employee] e
        INNER JOIN [Person].[Person] as p
        ON p.[BusinessEntityID] = e.[BusinessEntityID]
        WHERE e.[BusinessEntityID] = @BusinessEntityID
        UNION ALL
        SELECT e.[BusinessEntityID], e.[OrganizationNode], p.[FirstName], p.[LastName], e.[JobTitle],
            [RecursionLevel] + 1 -- Join recursive member to anchor
        FROM [HumanResources].[Employee] e
            INNER JOIN [EMP_cte]
            ON e.[OrganizationNode] = [EMP_cte].[OrganizationNode].GetAncestor(1)
            INNER JOIN [Person].[Person] p
            ON p.[BusinessEntityID] = e.[BusinessEntityID]
    )
    -- Join back to Employee to return the manager name
    SELECT [EMP_cte].[RecursionLevel], [EMP_cte].[BusinessEntityID], [EMP_cte].[FirstName], [EMP_cte].[LastName],
        [EMP_cte].[OrganizationNode].ToString() AS [OrganizationNode], p.[FirstName] AS '
        ManagerFirstName', p.[LastName] AS '&#
        39;ManagerLastName'
    FROM [EMP_cte]
        INNER JOIN [HumanResources].[Employee] e
        ON [EMP_cte].[OrganizationNode].GetAncestor(1) = e.[OrganizationNode]
        INNER JOIN [Person].[Person] p
        ON p.[BusinessEntityID] = e.[BusinessEntityID]
    ORDER BY [RecursionLevel], [EMP_cte].[OrganizationNode].ToString()
    OPTION (MAXRECURSION 25)
END;
GO
```

Depends On ²

 [HumanResources.Employee](#)

 [Person.Person](#)

Used By

No items found

dbo.uspGetManagerEmployees

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 1

Name	Data Type	Length	Description
@BusinessEntityID	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE dbo.uspGetManagerEmployees
    @BusinessEntityID [int]
AS
BEGIN
    SET NOCOUNT ON;

    -- Use recursive query to list out all Employees required
    for a particular Manager
    WITH [EMP_cte]([BusinessEntityID], [OrganizationNode], [FirstName], [LastName], [RecursionLevel]) --
    CTE name and columns
    AS (
        SELECT e.[BusinessEntityID], e.[OrganizationNode], p.[FirstName], p.[LastName], 0 -- Get
        the initial list of Employees for Manager n
        FROM [HumanResources].[Employee] e
        INNER JOIN [Person].[Person] p
        ON p.[BusinessEntityID] = e.[BusinessEntityID]
        WHERE e.[BusinessEntityID] = @BusinessEntityID
        UNION ALL
        SELECT e.[BusinessEntityID], e.[OrganizationNode], p.[FirstName], p.[LastName], [RecursionLevel] + 1
        FROM [HumanResources].[Employee] e
            INNER JOIN [EMP_cte]
            ON e.[OrganizationNode].GetAncestor(1) = [EMP_cte].[OrganizationNode]
        INNER JOIN [Person].[Person] p
        ON p.[BusinessEntityID] = e.[BusinessEntityID]
    )
    -- Join back to Employee to return the manager name
    SELECT [EMP_cte].[RecursionLevel], [EMP_cte].[OrganizationNode].ToString() as [OrganizationNode], p.[FirstName]
    AS 'ManagerFirstName', p.[LastName] AS 'ManagerLastName',
    [EMP_cte].[BusinessEntityID], [EMP_cte].[FirstName], [EMP_cte].[LastName] -- Outer select&
    nbsp;from the CTE
    FROM [EMP_cte]
        INNER JOIN [HumanResources].[Employee] e
        ON [EMP_cte].[OrganizationNode].GetAncestor(1) = e.[OrganizationNode]
        INNER JOIN [Person].[Person] p
        ON p.[BusinessEntityID] = e.[BusinessEntityID]
    ORDER BY [RecursionLevel], [EMP_cte].[OrganizationNode].ToString()
    OPTION (MAXRECURSION 25)
END;
GO
```

Depends On ²

 [HumanResources.Employee](#)

 [Person.Person](#)

Used By

No items found

dbo.uspGetWhereUsedProductID

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 2

Name	Data Type	Length	Description
@StartProductID	int	4	
@CheckDate	datetime	8	

SQL Script



```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE dbo.uspGetWhereUsedProductID
    @StartProductID [int],
    @CheckDate [datetime]
AS
BEGIN
    SET NOCOUNT ON;

    --Use recursive query to generate a multi-level Bill of
    Material (i.e. all level 1 components of a level 0 assembly,&
    nbsp;all level 2 components of a level 1 assembly)
    WITH [BOM_cte]([ProductAssemblyID], [ComponentID], [ComponentDesc], [PerAssemblyQty], [StandardCost],
    [ListPrice], [BOMLevel], [RecursionLevel]) -- CTE name and columns
    AS (
        SELECT b.[ProductAssemblyID], b.[ComponentID], p.[Name], b.[PerAssemblyQty], p.[StandardCost], p.
        [ListPrice], b.[BOMLevel], 0 -- Get the initial list of components&
        nbsp;for the bike assembly
        FROM [Production].[BillofMaterials] b
            INNER JOIN [Production].[Product] p
            ON b.[ProductAssemblyID] = p.[ProductID]
        WHERE b.[ComponentID] = @StartProductID
            AND @CheckDate >= b.[StartDate]
            AND @CheckDate <= ISNULL(b.[EndDate], @CheckDate)
        UNION ALL
        SELECT b.[ProductAssemblyID], b.[ComponentID], p.[Name], b.[PerAssemblyQty], p.[StandardCost], p.
        [ListPrice], b.[BOMLevel], [RecursionLevel] + 1 -- Join recursive member to&
        nbsp;anchor
        FROM [BOM_cte] cte
            INNER JOIN [Production].[BillofMaterials] b
            ON cte.[ProductAssemblyID] = b.[ComponentID]
            INNER JOIN [Production].[Product] p
            ON b.[ProductAssemblyID] = p.[ProductID]
        WHERE @CheckDate >= b.[StartDate]
            AND @CheckDate <= ISNULL(b.[EndDate], @CheckDate)
    )
    -- Outer select from the CTE
    SELECT b.[ProductAssemblyID], b.[ComponentID], b.[ComponentDesc], SUM(b.[PerAssemblyQty]) AS [TotalQuantity] ,
    b.[StandardCost], b.[ListPrice], b.[BOMLevel], b.[RecursionLevel]
```

```
FROM [BOM_cte] b
GROUP BY b.[ComponentID], b.[ComponentDesc], b.[ProductAssemblyID], b.[BOMLevel], b.[RecursionLevel], b.
[StandardCost], b.[ListPrice]
ORDER BY b.[BOMLevel], b.[ProductAssemblyID], b.[ComponentID]
OPTION (MAXRECURSION 25)
END;
GO
```

Depends On ²

-  Production.BillOfMaterials
-  Production.Product

Used By

No items found

dbo.uspLogError

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 1

Name	Data Type	Length	Description
@ErrorLogID	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

-- uspLogError logs error information in the ErrorLog table about
the
-- error that caused execution to jump to the CATCH block of&
nbsp;a
-- TRY...CATCH construct. This should be executed from within the
scope
-- of a CATCH block otherwise it will return without inserting&
nbsp;error
-- information.
CREATE OR ALTER PROCEDURE dbo.uspLogError
    @ErrorLogID [int] = 0 OUTPUT -- contains the ErrorLogID of the row
    inserted
AS
    -- by uspLogError in the ErrorLog table
BEGIN
    SET NOCOUNT ON;

    -- Output parameter value of 0 indicates that error
    -- information was not logged
    SET @ErrorLogID = 0;

    BEGIN TRY
        -- Return if there is no error information to log
        IF ERROR_NUMBER() IS NULL
            RETURN;

        -- Return if inside an uncommittable transaction.
        -- Data insertion/modification is not allowed when
        -- a transaction is in an uncommittable state.
        IF XACT_STATE() = -1
            BEGIN
                PRINT 'Cannot log error since the current transaction&
                nbsp;is in an uncommittable state. '
                + 'Rollback the transaction before executing
                uspLogError in order to successfully log error information.';
                RETURN;
            END
    END

    INSERT [dbo].[ErrorLog]
    (
```



```

        [UserName],
        [ErrorNumber],
        [ErrorSeverity],
        [ErrorState],
        [ErrorProcedure],
        [ErrorLine],
        [ErrorMessage]
    )
VALUES
    (
        CONVERT(sysname, CURRENT_USER),
        ERROR_NUMBER(),
        ERROR_SEVERITY(),
        ERROR_STATE(),
        ERROR_PROCEDURE(),
        ERROR_LINE(),
        ERROR_MESSAGE()
    );










-- Pass back the ErrorLogID of the row inserted
SET @ErrorLogID = @@IDENTITY;
END TRY
BEGIN CATCH
    PRINT 'An error occurred in stored procedure uspLogError: &#
39;';
    EXECUTE [dbo].[uspPrintError];
    RETURN -1;
END CATCH
END;
GO

```

Depends On ²

-  [dbo.uspPrintError](#)
-  [dbo.ErrorLog](#)

Used By ⁹

-  [HumanResources.uspUpdateEmployeeHireInfo](#)
-  [HumanResources.uspUpdateEmployeeLogin](#)
-  [HumanResources.uspUpdateEmployeePersonalInfo](#)
-  [Production.WorkOrder](#)
-  [Purchasing.PurchaseOrderDetail](#)
-  [Purchasing.PurchaseOrderHeader](#)
-  [Purchasing.Vendor](#)
-  [Sales.SalesOrderDetail](#)
-  [Sales.SalesOrderHeader](#)

dbo.uspPrintError

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO








-- 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&
nbsp;otherwise
-- it will return without printing any error information.
CREATE OR ALTER PROCEDURE dbo.uspPrintError
AS
BEGIN
    SET NOCOUNT ON;

    -- Print error information.
    PRINT 'Error ' + CONVERT(varchar(50), ERROR_NUMBER()) +
        ', Severity ' + CONVERT(varchar(5), ERROR_SEVERITY()) +
        ', State ' + CONVERT(varchar(5), ERROR_STATE()) +
        ', Procedure ' + ISNULL(ERROR_PROCEDURE(), '-') +
        ', Line ' + CONVERT(varchar(5), ERROR_LINE());
    PRINT ERROR_MESSAGE();
END;
GO
```

Depends On

No items found

Used By 7

-  [dbo.uspLogError](#)
-  [Production.WorkOrder](#)
-  [Purchasing.PurchaseOrderDetail](#)
-  [Purchasing.PurchaseOrderHeader](#)
-  [Purchasing.Vendor](#)
-  [Sales.SalesOrderDetail](#)
-  [Sales.SalesOrderHeader](#)

dbo.uspSearchCandidateResumes

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 4

Name	Data Type	Length	Description
@searchString	nvarchar	1000	
@useInflectional	bit	1	
@useThesaurus	bit	1	
@language	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

--A stored procedure which demonstrates integrated full text search

CREATE OR ALTER PROCEDURE dbo.uspSearchCandidateResumes
    @searchString [nvarchar](1000),
    @useInflectional [bit]=0,
    @useThesaurus [bit]=0,
    @language[int]=0

WITH EXECUTE AS CALLER
AS
BEGIN
    SET NOCOUNT ON;

    DECLARE @string nvarchar(1050)
    --setting the lcid to the default instance LCID if needed
    IF @language = NULL OR @language = 0
    BEGIN
        SELECT @language =CONVERT(int, serverproperty('lcid'))
    END

    --FREETEXTTABLE case as inflectional and Thesaurus were
    required
    IF @useThesaurus = 1 AND @useInflectional = 1
    BEGIN
        SELECT FT_TBL.[JobCandidateID], KEY_TBL.[RANK] FROM [HumanResources].[JobCandidate] AS FT_TBL
            INNER JOIN FREETEXTTABLE([HumanResources].[JobCandidate],*, @searchString,LANGUAGE
                @language) AS KEY_TBL
            ON FT_TBL.[JobCandidateID] =KEY_TBL.[KEY]
    END

    ELSE IF @useThesaurus = 1
    BEGIN
```

```

SELECT @string = 'FORMSOF(THESAURUS, '''+@searchString +'''+)''
SELECT FT_TBL.[JobCandidateID], KEY_TBL.[RANK] FROM [HumanResources].[JobCandidate] AS FT_TBL
INNER JOIN CONTAINSTABLE([HumanResources].[JobCandidate],*, @string,LANGUAGE @language) AS
KEY_TBL
ON FT_TBL.[JobCandidateID] =KEY_TBL.[KEY]
END

ELSE IF @useInflectional = 1
BEGIN
SELECT @string = 'FORMSOF(INFLECTIONAL, '''+@searchString +'''+)''
SELECT FT_TBL.[JobCandidateID], KEY_TBL.[RANK] FROM [HumanResources].[JobCandidate] AS FT_TBL
INNER JOIN CONTAINSTABLE([HumanResources].[JobCandidate],*, @string,LANGUAGE @language) AS
KEY_TBL
ON FT_TBL.[JobCandidateID] =KEY_TBL.[KEY]
END

ELSE --base case, plain CONTAINSTABLE
BEGIN
SELECT @string = '''+@searchString +'''+
SELECT FT_TBL.[JobCandidateID],KEY_TBL.[RANK] FROM [HumanResources].[JobCandidate] AS FT_TBL
INNER JOIN CONTAINSTABLE([HumanResources].[JobCandidate],*,@string,LANGUAGE @language) AS
KEY_TBL
ON FT_TBL.[JobCandidateID] =KEY_TBL.[KEY]
END

END;
GO

```

Depends On 1

 [HumanResources.JobCandidate](#)

Used By

No items found

HumanResources.uspUpdateEmployeeHireInfo

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 7

Name	Data Type	Length	Description
@BusinessEntityID	int	4	
@JobTitle	nvarchar	50	
@HireDate	datetime	8	
@RateChangeDate	datetime	8	
@Rate	money	8	
@PayFrequency	tinyint	1	
@CurrentFlag	Flag	1	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE HumanResources.uspUpdateEmployeeHireInfo
    @BusinessEntityID [int],
    @JobTitle [nvarchar](50),
    @HireDate [datetime],
    @RateChangeDate [datetime],
    @Rate [money],
    @PayFrequency [tinyint],
    @CurrentFlag [dbo].[Flag]
WITH EXECUTE AS CALLER
AS
BEGIN
    SET NOCOUNT ON;

    BEGIN TRY
        BEGIN TRANSACTION;

        UPDATE [HumanResources].[Employee]
        SET [JobTitle] = @JobTitle
            ,[HireDate] = @HireDate
            ,[CurrentFlag] = @CurrentFlag
        WHERE [BusinessEntityID] = @BusinessEntityID;






        INSERT INTO [HumanResources].[EmployeePayHistory]
            ([BusinessEntityID]
            ,[RateChangeDate]
            ,[Rate])
```

```
        ,[PayFrequency])
VALUES (@BusinessEntityID, @RateChangeDate, @Rate, @PayFrequency);

COMMIT TRANSACTION;
END TRY
BEGIN CATCH
    -- Rollback any active or uncommittable transactions before
    -- inserting information in the ErrorLog
    IF @@TRANCOUNT > 0
    BEGIN
        ROLLBACK TRANSACTION;
    END

    EXECUTE [dbo].[uspLogError];
END CATCH;
END;
GO
```

Depends On 5

-  [dbo.uspLogError](#)
-  [HumanResources](#)
-  [HumanResources.Employee](#)
-  [HumanResources.EmployeePayHistory](#)
-  [dbo.Flag](#)

Used By

No items found

HumanResources.uspUpdateEmployeeLogin

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 6

Name	Data Type	Length	Description
@BusinessEntityID	int	4	
@OrganizationNode	hierarchyid	892	
@LoginID	nvarchar	256	
@JobTitle	nvarchar	50	
@HireDate	datetime	8	
@CurrentFlag	Flag	1	





SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE HumanResources.uspUpdateEmployeeLogin
    @BusinessEntityID [int],
    @OrganizationNode [hierarchyid],
    @LoginID [nvarchar](256),
    @JobTitle [nvarchar](50),
    @HireDate [datetime],
    @CurrentFlag [dbo].[Flag]
WITH EXECUTE AS CALLER
AS
BEGIN
    SET NOCOUNT ON;

    BEGIN TRY
        UPDATE [HumanResources].[Employee]
        SET [OrganizationNode] = @OrganizationNode
            ,[LoginID] = @LoginID
            ,[JobTitle] = @JobTitle
            ,[HireDate] = @HireDate
            ,[CurrentFlag] = @CurrentFlag
        WHERE [BusinessEntityID] = @BusinessEntityID;
    END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspLogError];
    END CATCH;
END;
GO
```

Depends On 4

-  dbo.uspLogError
-  HumanResources
-  HumanResources.Employee
-  dbo.Flag

Used By

No items found

HumanResources.uspUpdateEmployeePersonalInfo

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Assembly	

Parameters 5

Name	Data Type	Length	Description
@BusinessEntityID	int	4	
@NationalIDNumber	nvarchar	15	
@BirthDate	datetime	8	
@MaritalStatus	nchar	1	
@Gender	nchar	1	



SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER PROCEDURE HumanResources.uspUpdateEmployeePersonalInfo
    @BusinessEntityID [int],
    @NationalIDNumber [nvarchar](15),
    @BirthDate [datetime],
    @MaritalStatus [nchar](1),
    @Gender [nchar](1)
WITH EXECUTE AS CALLER
AS
BEGIN
    SET NOCOUNT ON;

    BEGIN TRY
        UPDATE [HumanResources].[Employee]
        SET [NationalIDNumber] = @NationalIDNumber
            ,[BirthDate] = @BirthDate
            ,[MaritalStatus] = @MaritalStatus
            ,[Gender] = @Gender
        WHERE [BusinessEntityID] = @BusinessEntityID;
    END TRY
    BEGIN CATCH
        EXECUTE [dbo].[uspLogError];
    END CATCH;
END;
GO
```

Depends On 3

-  [dbo.uspLogError](#)
-  [HumanResources](#)

Used By

No items found

Functions

Objects 2

 [Table-Valued Functions](#)

 [Scalar-Valued Functions](#)

Table-Valued Functions

Objects 2

Name	Description
dbo.fn_employees_encrypted	
dbo.ufnGetContactInformation	

dbo.fn_employees_encrypted

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	True
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 1

Name	Data Type	Length	Description
(Result)	TABLE	max	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
create OR ALTER function dbo.fn_employees_encrypted()
returns table
with encryption
as
    -- Encrypted inline table-valued function
    return
    (
        select
            employee_id,
            first_name,
            last_name
        from dbo.employees
    );
GO
```

Depends On

No items found

Used By

No items found

dbo.ufnGetContactInformation

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	TABLE	max	
@PersonID	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetContactInformation(@PersonID int)
RETURNS @retContactInformation TABLE
(
    -- Columns returned by the function
    [PersonID] int NOT NULL,
    [FirstName] [nvarchar](50) NULL,
    [LastName] [nvarchar](50) NULL,
    [JobTitle] [nvarchar](50) NULL,
    [BusinessEntityType] [nvarchar](50) NULL
)
AS
-- Returns the first name, last name, job title and business
entity type for the specified contact.
-- Since a contact can serve multiple roles, more than one
row may be returned.
BEGIN
    IF @PersonID IS NOT NULL
    BEGIN
        IF EXISTS(SELECT * FROM [HumanResources].[Employee] e
            WHERE e.[BusinessEntityID] = @PersonID)
            INSERT INTO @retContactInformation
            SELECT @PersonID, p.FirstName, p.LastName, e.[JobTitle], 'Employee'
            FROM [HumanResources].[Employee] AS e
            INNER JOIN [Person].[Person] p
            ON p.[BusinessEntityID] = e.[BusinessEntityID]
            WHERE e.[BusinessEntityID] = @PersonID;

        IF EXISTS(SELECT * FROM [Purchasing].[Vendor] AS v
            INNER JOIN [Person].[BusinessEntityContact] bec
            ON bec.[BusinessEntityID] = v.[BusinessEntityID]
            WHERE bec.[PersonID] = @PersonID)
            INSERT INTO @retContactInformation
            SELECT @PersonID, p.FirstName, p.LastName, ct.[Name], 'Vendor Contact'
```

```

FROM [Purchasing].[Vendor] AS v
INNER JOIN [Person].[BusinessEntityContact] bec
ON bec.[BusinessEntityID] = v.[BusinessEntityID]
INNER JOIN [Person].ContactType ct
ON ct.[ContactTypeID] = bec.[ContactTypeID]
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = bec.[PersonID]
WHERE bec.[PersonID] = @PersonID;




IF EXISTS(SELECT * FROM [Sales].[Store] AS s
INNER JOIN [Person].[BusinessEntityContact] bec
ON bec.[BusinessEntityID] = s.[BusinessEntityID]
WHERE bec.[PersonID] = @PersonID)
INSERT INTO @retContactInformation
SELECT @PersonID, p.FirstName, p.LastName, ct.[Name], 'Store Contact'
FROM [Sales].[Store] AS s
INNER JOIN [Person].[BusinessEntityContact] bec
ON bec.[BusinessEntityID] = s.[BusinessEntityID]
INNER JOIN [Person].ContactType ct
ON ct.[ContactTypeID] = bec.[ContactTypeID]
INNER JOIN [Person].[Person] p
ON p.[BusinessEntityID] = bec.[PersonID]
WHERE bec.[PersonID] = @PersonID;

IF EXISTS(SELECT * FROM [Person].[Person] AS p
INNER JOIN [Sales].[Customer] AS c
ON c.[PersonID] = p.[BusinessEntityID]
WHERE p.[BusinessEntityID] = @PersonID AND c.[StoreID] IS NULL)
INSERT INTO @retContactInformation
SELECT @PersonID, p.FirstName, p.LastName, NULL, 'Consumer'
FROM [Person].[Person] AS p
INNER JOIN [Sales].[Customer] AS c
ON c.[PersonID] = p.[BusinessEntityID]
WHERE p.[BusinessEntityID] = @PersonID AND c.[StoreID] IS NULL;
END

RETURN;
END;
GO

```

Depends On 7

-  [HumanResources.Employee](#)
-  [Person.BusinessEntityContact](#)
-  [Person.ContactType](#)
-  [Person.Person](#)
-  [Purchasing.Vendor](#)
-  [Sales.Customer](#)
-  [Sales.Store](#)

Used By

No items found

Scalar-Valued Functions

Objects 11

Name	Description
dbo.fn_employee_full_name_encrypted	
dbo.ufnGetAccountingEndDate	
dbo.ufnGetAccountingStartDate	
dbo.ufnGetDocumentStatusText	
dbo.ufnGetProductDealerPrice	
dbo.ufnGetProductListPrice	
dbo.ufnGetProductStandardCost	
dbo.ufnGetPurchaseOrderStatusText	
dbo.ufnGetSalesOrderStatusText	
dbo.ufnGetStock	
dbo.ufnLeadingZeros	

dbo.fn_employee_full_name_encrypted

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	True
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	nvarchar	200	
@employee_id	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
create OR ALTER function dbo.fn_employee_full_name_encrypted
(
    @employee_id int
)
returns nvarchar(200)
with encryption
as
begin
    -- Encrypted scalar function
    declare @full_name nvarchar(200);

    select
        @full_name = first_name + ' ' + last_name
    from dbo.employees
    where employee_id = @employee_id;

    return @full_name;
end;
GO
```

dbo.ufnGetAccountingEndDate

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 1

Name	Data Type	Length	Description
(Result)	datetime	8	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetAccountingEndDate()
RETURNS [datetime]
AS
BEGIN
    RETURN DATEADD(millisecond, -2, CONVERT(datetime, '20040701', 112));
END;
GO
```

dbo.ufnGetAccountingStartDate

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 1

Name	Data Type	Length	Description
(Result)	datetime	8	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetAccountingStartDate()
RETURNS [datetime]
AS
BEGIN
    RETURN CONVERT(datetime, '20030701', 112);
END;
GO
```

dbo.ufnGetDocumentStatusText

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	nvarchar	16	
@Status	tinyint	1	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetDocumentStatusText(@Status [tinyint])
RETURNS [nvarchar](16)
AS
-- Returns the sales order status text representation for the
status value.
BEGIN
    DECLARE @ret [nvarchar](16);

    SET @ret =
        CASE @Status
            WHEN 1 THEN N'Pending approval'
            WHEN 2 THEN N'Approved'
            WHEN 3 THEN N'Obsolete'
            ELSE N'** Invalid **'
        END;

    RETURN @ret
END;
GO
```

dbo.ufnGetProductDealerPrice

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 3

Name	Data Type	Length	Description
(Result)	money	8	
@ProductID	int	4	
@OrderDate	datetime	8	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetProductDealerPrice(@ProductID [int], @OrderDate [datetime])
RETURNS [money]
AS
-- Returns the dealer price for the product on a specific
date.
BEGIN
    DECLARE @DealerPrice money;
    DECLARE @DealerDiscount money;

    SET @DealerDiscount = 0.60 -- 60% of list price

    SELECT @DealerPrice = plph.[ListPrice] * @DealerDiscount
    FROM [Production].[Product] p
    INNER JOIN [Production].[ProductListPriceHistory] plph
    ON p.[ProductID] = plph.[ProductID]
    AND p.[ProductID] = @ProductID
    AND @OrderDate BETWEEN plph.[StartDate] AND COALESCE(plph.[EndDate], CONVERT(datetime, '
99991231', 112));

    RETURN @DealerPrice;
END;
GO
```

dbo.ufnGetProductListPrice

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 3

Name	Data Type	Length	Description
(Result)	money	8	
@ProductID	int	4	
@OrderDate	datetime	8	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetProductListPrice(@ProductID [int], @OrderDate [datetime])
RETURNS [money]
AS
BEGIN
    DECLARE @ListPrice money;

    SELECT @ListPrice = plph.[ListPrice]
    FROM [Production].[Product] p
        INNER JOIN [Production].[ProductListPriceHistory] plph
            ON p.[ProductID] = plph.[ProductID]
            AND p.[ProductID] = @ProductID
            AND @OrderDate BETWEEN plph.[StartDate] AND COALESCE(plph.[EndDate], CONVERT(datetime, '99991231', 112));

    RETURN @ListPrice;
END;
GO
```

dbo.ufnGetProductStandardCost

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 3

Name	Data Type	Length	Description
(Result)	money	8	
@ProductID	int	4	
@OrderDate	datetime	8	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetProductStandardCost(@ProductID [int], @OrderDate [datetime])
RETURNS [money]
AS
-- Returns the standard cost for the product on a specific
date.
BEGIN
    DECLARE @StandardCost money;

    SELECT @StandardCost = pch.[StandardCost]
    FROM [Production].[Product] p
        INNER JOIN [Production].[ProductCostHistory] pch
    ON p.[ProductID] = pch.[ProductID]
        AND p.[ProductID] = @ProductID
        AND @OrderDate BETWEEN pch.[StartDate] AND COALESCE(pch.[EndDate], CONVERT(datetime, '
99991231', 112));

    RETURN @StandardCost;
END;
GO
```

dbo.ufnGetPurchaseOrderStatusText

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	nvarchar	15	
@Status	tinyint	1	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetPurchaseOrderStatusText(@Status [tinyint])
RETURNS [nvarchar](15)
AS
-- Returns the sales order status text representation for the
status value.
BEGIN
    DECLARE @ret [nvarchar](15);

    SET @ret =
        CASE @Status
            WHEN 1 THEN 'Pending'
            WHEN 2 THEN 'Approved'
            WHEN 3 THEN 'Rejected'
            WHEN 4 THEN 'Complete'
            ELSE '** Invalid **'
        END;

    RETURN @ret
END;
GO
```

dbo.ufnGetSalesOrderStatusText

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	nvarchar	15	
@Status	tinyint	1	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetSalesOrderStatusText(@Status [tinyint])
RETURNS [nvarchar](15)
AS
-- Returns the sales order status text representation for the
status value.
BEGIN
    DECLARE @ret [nvarchar](15);

    SET @ret =
        CASE @Status
            WHEN 1 THEN 'In process'
            WHEN 2 THEN 'Approved'
            WHEN 3 THEN 'Backordered'
            WHEN 4 THEN 'Rejected'
            WHEN 5 THEN 'Shipped'
            WHEN 6 THEN 'Cancelled'
            ELSE '** Invalid **'
        END;

    RETURN @ret
END;
GO
```

dbo.ufnGetStock

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	False
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	int	4	
@ProductID	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnGetStock(@ProductID [int])
RETURNS [int]
AS
-- Returns the stock level for the product. This function is
used internally only
BEGIN
    DECLARE @ret int;

    SELECT @ret = SUM(p.[Quantity])
    FROM [Production].[ProductInventory] p
    WHERE p.[ProductID] = @ProductID
        AND p.[LocationID] = '6'; -- Only look at inventory in the misc&
        nbsp;storage

    IF (@ret IS NULL)
        SET @ret = 0

    RETURN @ret
END;
GO
```

dbo.ufnLeadingZeros

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Execute As	
Null on Null Input	False
Schema Bound	True
Assembly	

Parameters 2

Name	Data Type	Length	Description
(Result)	varchar	8	
@Value	int	4	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO

CREATE OR ALTER FUNCTION dbo.ufnLeadingZeros(
    @Value int
)
RETURNS varchar(8)
WITH SCHEMABINDING
AS
BEGIN
    DECLARE @ReturnValue varchar(8);

    SET @ReturnValue = CONVERT(varchar(8), @Value);
    SET @ReturnValue = REPLICATE('0', 8 - DATALENGTH(@ReturnValue)) + @ReturnValue;

    RETURN (@ReturnValue);
END;
GO
```

Database Triggers

Objects 1

Name	Description
ddlDatabaseTriggerLog	

ddlDatabaseTriggerLog

Description

Properties

Name	Value
ANSI Nulls ON	True
Quoted Identifier ON	True
Encrypted	False
Disabled	False
On	
Execute As	
Assembly	

SQL Script

```
SET QUOTED_IDENTIFIER, ANSI_NULLS ON
GO
CREATE OR ALTER TRIGGER ddlDatabaseTriggerLog ON DATABASE
FOR DDL_DATABASE_LEVEL_EVENTS AS
BEGIN
    SET NOCOUNT ON;

    DECLARE @data XML;
    DECLARE @schema sysname;
    DECLARE @object sysname;
    DECLARE @eventType sysname;

    SET @data = EVENTDATA();
    SET @eventType = @data.value('/EVENT_INSTANCE/EventType[1]', 'sysname');
    SET @schema = @data.value('/EVENT_INSTANCE/SchemaName[1]', 'sysname');
    SET @object = @data.value('/EVENT_INSTANCE/ObjectName[1]', 'sysname')

    IF @object IS NOT NULL
        PRINT ' ' + @eventType + ' - ' + @schema + '.' + @object;
    ELSE
        PRINT ' ' + @eventType + ' - ' + @schema;

    IF @eventType IS NULL
        PRINT CONVERT(nvarchar(max), @data);

    INSERT [dbo].[DatabaseLog]
    (
        [PostTime],
        [DatabaseUser],
        [Event],
        [Schema],
        [Object],
        [TSQL],
        [XmlEvent]
    )
    VALUES
    (
        GETDATE(),
        CONVERT(sysname, CURRENT_USER),
        @eventType,
        CONVERT(sysname, @schema),
        CONVERT(sysname, @object),
        @data.value('/EVENT_INSTANCE/TSQLCommand[1]', 'nvarchar(max)'),
        @data
    );

```

END;
GO

Types

Objects 2

 [User-Defined Data Types](#)

 [XML Schema Collections](#)

User-Defined Data Types

Objects 6

Name	Description
dbo.AccountNumber	
dbo.Flag	
dbo.Name	
dbo.NameStyle	
dbo.OrderNumber	
dbo.Phone	

dbo.AccountNumber

Description

Properties

Name	Value
Not Null	False
Base Type Name	nvarchar
Default	
Bound Rule	
Length	15



SQL Script

```
CREATE TYPE dbo.AccountNumber FROM nvarchar(15)
GO
```

Depends On

No items found

Used By 2

-  Purchasing.Vendor
-  Sales.SalesOrderHeader

dbo.Flag

Description

Properties

Name	Value
Not Null	True
Base Type Name	bit
Default	
Bound Rule	
Length	1




SQL Script

```
CREATE TYPE dbo.Flag FROM bit NOT NULL
GO
```

Depends On

No items found

Used By 9

-  HumanResources.uspUpdateEmployeeHireInfo
-  HumanResources.uspUpdateEmployeeLogin
-  HumanResources.Employee
-  Person.StateProvince
-  Production.Product
-  Production.ProductProductPhoto
-  Purchasing.Vendor
-  Sales.SalesOrderHeader
-  Person.vStateProvinceCountryRegion

dbo.Name

Description

Properties

Name	Value
Not Null	False
Base Type Name	nvarchar
Default	
Bound Rule	
Length	50




























SQL Script












```
CREATE TYPE dbo.Name FROM nvarchar(50)
GO
```

Depends On

No items found

Used By 40

-  HumanResources.Department
-  HumanResources.Shift
-  Person.AddressType
-  Person.ContactType
-  Person.CountryRegion
-  Person.Person
-  Person.PhoneNumberType
-  Person.StateProvince
-  Production.Culture
-  Production.Location
-  Production.Product
-  Production.ProductCategory
-  Production.ProductModel
-  Production.ProductReview
-  Production.ProductSubcategory
-  Production.ScrapReason
-  Production.UnitMeasure
-  Purchasing.ShipMethod
-  Purchasing.Vendor
-  Sales.Currency
-  Sales.SalesReason
-  Sales.SalesTaxRate
-  Sales.SalesTerritory
-  Sales.Store
-  HumanResources.vEmployee
-  HumanResources.vEmployeeDepartment
-  HumanResources.vEmployeeDepartmentHistory

-  Person.vAdditionalContactInfo
-  Person.vStateProvinceCountryRegion
-  Production.vProductAndDescription
-  Production.vProductModelCatalogDescription
-  Production.vProductModelInstructions
-  Purchasing.vVendorWithAddresses
-  Purchasing.vVendorWithContacts
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vSalesPersonSalesByFiscalYears
-  Sales.vStoreWithAddresses
-  Sales.vStoreWithContacts
-  Sales.vStoreWithDemographics

dbo.NameStyle

Description

Properties

Name	Value
Not Null	True
Base Type Name	bit
Default	
Bound Rule	
Length	1

SQL Script

```
CREATE TYPE dbo.NameStyle FROM bit NOT NULL
GO
```

Depends On

No items found

Used By ¹

 Person.Person

dbo.OrderNumber

Description

Properties

Name	Value
Not Null	False
Base Type Name	nvarchar
Default	
Bound Rule	
Length	25

SQL Script

```
CREATE TYPE dbo.OrderNumber FROM nvarchar(25)
GO
```

Depends On

No items found

Used By ¹

 [Sales.SalesOrderHeader](#)

dbo.Phone

Description

Properties

Name	Value
Not Null	False
Base Type Name	nvarchar
Default	
Bound Rule	
Length	25


SQL Script

```
CREATE TYPE dbo.Phone FROM nvarchar(25)
GO
```

Depends On

No items found

Used By 6

-  Person.PersonPhone
-  HumanResources.vEmployee
-  Purchasing.vVendorWithContacts
-  Sales.vIndividualCustomer
-  Sales.vSalesPerson
-  Sales.vStoreWithContacts

XML Schema Collections

Objects 6

Name	Description
HumanResources.HRRResumeSchemaCollection	
Person.AdditionalContactInfoSchemaCollection	
Person.IndividualSurveySchemaCollection	
Production.ManulInstructionsSchemaCollection	
Production.ProductDescriptionSchemaCollection	
Sales.StoreSurveySchemaCollection	

HumanResources.HRResumeSchemaCollection

Description

Dependent Message Types

No items found

SQL Script

```
CREATE XML SCHEMA COLLECTION HumanResources.HRResumeSchemaCollection AS
```

```
N#39;&lt;xsd:schema&nbsp;xmlns:xsd=&quot;http://www.w3.org/2001/XMLSchema&quot;&nbsp;&nbsp;&nbsp;xmlns:t=&quot;http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume&quot;&nbsp;&nbsp;&nbsp;targetNamespace=&quot;http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/Resume&quot;&nbsp;&nbsp;&nbsp;elementFormDefault=&quot;qualified&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:element&nbsp;name=&quot;Address&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:AddressType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Education&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:EducationType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Employment&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:EmploymentType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Location&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:LocationType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Name&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:NameType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Resume&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:ResumeType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Telephone&quot;&nbsp;&nbsp;&nbsp;type=&quot;t:TelephoneType&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:complexType&nbsp;name=&quot;AddressType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:complexContent&nbsp;base=&quot;&nbsp;&nbsp;&nbsp;xsd:anyType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:sequence&nbsp;name=&quot;Addr.OrgName&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Addr.Street&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;maxOccurs=&quot;unbounded&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Addr.Location&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:complexType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:complexContent&nbsp;base=&quot;&nbsp;&nbsp;&nbsp;xsd:anyType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:sequence&nbsp;name=&quot;Addr.PostalCode&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Addr.Telephone&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:complexType&nbsp;name=&quot;EducationType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:complexContent&nbsp;base=&quot;&nbsp;&nbsp;&nbsp;xsd:anyType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:sequence&nbsp;name=&quot;Edu.Level&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.StartDate&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:date&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.EndDate&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:date&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.Degree&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.Major&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.Minor&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.GPA&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.GPAAlternate&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:decimal&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.GPAScale&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:decimal&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.School&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Edu.Location&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:complexType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:complexContent&nbsp;base=&quot;&nbsp;&nbsp;&nbsp;xsd:anyType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:sequence&nbsp;name=&quot;Emp.StartDate&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:date&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.EndDate&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:date&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.OrgName&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.JobTitle&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.Responsibility&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.FunctionCategory&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.IndustryCategory&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Emp.Location&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:complexType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:complexContent&nbsp;base=&quot;&nbsp;&nbsp;&nbsp;xsd:anyType&quot;&nbsp;&nbsp;&nbsp;&lt;xsd:sequence&nbsp;name=&quot;Loc.CountryRegion&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Loc.State&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Loc.City&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Name&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;minOccurs=&quot;0&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Name.First&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:string&quot;&nbsp;&nbsp;&nbsp;/&gt;&nbsp;&lt;xsd:element&nbsp;name=&quot;Name.Middle&quot;&nbsp;&nbsp;&nbsp;type=&quot;xsd:
```

```
string&quot; &nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;Name.Last&quot; &nbsp;type=&quot;
xsd:string&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;Name.Suffix&quot; &nbsp;type=&quot;string&quot; &nbsp;
minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;/xsd:sequence&gt; &lt;/xsd:restriction&gt; &lt;/xsd:
complexType&gt; &lt;xsd:complexType&nbsp;name=&quot;ResumeType&quot; &gt; &lt;xsd:complexContent&gt; &lt;xsd:
restriction&nbsp;base=&quot;xsd:anyType&quot; &gt; &lt;xsd:sequence&gt; &lt;xsd:element&nbsp;ref=&quot;t.Name&quot; &
&nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;Skills&quot; &nbsp;type=&quot;string&quot; &nbsp;minOccurs=&quot;0&quot;
&nbsp;/&gt; &lt;xsd:element&nbsp;ref=&quot;t.Employment&quot; &nbsp;maxOccurs=&quot;unbounded&quot; &nbsp;/&gt; &lt;xsd:
element&nbsp;ref=&quot;t.Education&quot; &nbsp;maxOccurs=&quot;unbounded&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;ref=&
quot;t.Address&quot; &nbsp;maxOccurs=&quot;unbounded&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;ref=&quot;t.Telephone&quot;
&nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;EMail&quot; &nbsp;type=&quot;string&quot;
&nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;WebSite&quot; &nbsp;type=&quot;string&
quot; &nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;/xsd:sequence&gt; &lt;/xsd:restriction&gt; &lt;/xsd:complexContent&
&gt; &lt;/xsd:complexType&gt; &lt;xsd:complexType&nbsp;name=&quot;TelephoneType&quot; &gt; &lt;xsd:complexContent&gt; &lt;xsd:
restriction&nbsp;base=&quot;xsd:anyType&quot; &gt; &lt;xsd:sequence&gt; &lt;xsd:element&nbsp;name=&quot;Tel.Type&
quot; &nbsp;type=&quot;xsd:anyType&quot; &nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;Tel.
IntlCode&quot; &nbsp;type=&quot;int&quot; &nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;Tel.
AreaCode&quot; &nbsp;type=&quot;int&quot; &nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&
quot;Tel.Number&quot; &nbsp;type=&quot;string&quot; &nbsp;/&gt; &lt;xsd:element&nbsp;name=&quot;Tel.Extension&quot;
&nbsp;type=&quot;int&quot; &nbsp;minOccurs=&quot;0&quot; &nbsp;/&gt; &lt;/xsd:sequence&gt; &lt;/xsd:restriction&gt; &
lt;/xsd:complexContent&gt; &lt;/xsd:complexType&gt; &lt;/xsd:schema&gt; &#39;
```

60

Depends On ¹

 HumanResources

Used By ¹

 HumanResources.JobCandidate

 Person

Used By ²

 Person.Person

 HumanResources.vEmployee

Production.ManuInstructionsSchemaCollection

Description

Dependent Message Types

No items found

SQL Script

```
CREATE XML SCHEMA COLLECTION Production.ManuInstructionsSchemaCollection AS
```

```
N=&#39;&lt;xsd:schema&nbsp;&xmlns:xsd=&quot;http://www.w3.org/2001/XMLSchema&quot;&nbsp;&xmlns:t=&quot;http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ProductModelManuInstructions&quot;&nbsp;&targetNamespace=&quot;http://schemas.microsoft.com/sqlserver/2004/07/adventure-works/ProductModelManuInstructions&quot;&nbsp;&elementFormDefault=&quot;qualified&quot;&gt;&lt;xsd:element&nbsp;&name=&quot;root&quot;&gt;&lt;xsd:complexType&nbsp;&mixed=&quot;true&quot;&gt;&lt;xsd:complexContent&nbsp;&mixed=&quot;true&quot;&gt;&lt;xsd:restriction&nbsp;&base=&quot;xsd:anyType&quot;&gt;&lt;xsd:sequence&gt;&lt;xsd:element&nbsp;&name=&quot;Location&quot;&nbsp;&maxOccurs=&quot;unbounded&quot;&gt;&lt;xsd:complexType&nbsp;&mixed=&quot;true&quot;&gt;&lt;xsd:complexContent&nbsp;&mixed=&quot;true&quot;&gt;&lt;xsd:restriction&nbsp;&base=&quot;xsd:anyType&quot;&gt;&lt;xsd:sequence&gt;&lt;xsd:element&nbsp;&name=&quot;step&quot;&nbsp;&type=&quot;t:StepType&quot;&nbsp;&maxOccurs=&quot;unbounded&quot;&nbsp;&/&gt;&lt;/xsd:sequence&gt;&lt;xsd:attribute&nbsp;&name=&quot;LocationID&quot;&nbsp;&type=&quot;xsd:integer&quot;&nbsp;&use=&quot;required&quot;&nbsp;&/&gt;&lt;xsd:attribute&nbsp;&name=&quot;SetupHours&quot;&nbsp;&type=&quot;xsd:decimal&quot;&nbsp;&/&gt;&lt;xsd:attribute&nbsp;&name=&quot;MachineHours&quot;&nbsp;&type=&quot;xsd:decimal&quot;&nbsp;&/&gt;&lt;xsd:attribute&nbsp;&name=&quot;LaborHours&quot;&nbsp;&type=&quot;xsd:decimal&quot;&nbsp;&/&gt;&lt;xsd:attribute&nbsp;&name=&quot;LotSize&quot;&nbsp;&type=&quot;xsd:decimal&quot;&nbsp;&/&gt;&lt;/xsd:restriction&gt;&lt;/xsd:complexContent&gt;&lt;/xsd:complexType&gt;&lt;/xsd:element&gt;&lt;/xsd:sequence&gt;&lt;/xsd:restriction&gt;&lt;/xsd:complexContent&gt;&lt;/xsd:complexType&gt;&lt;/xsd:element&gt;&lt;xsd:complexType&nbsp;&name=&quot;StepType&quot;&nbsp;&mixed=&quot;true&quot;&gt;&lt;xsd:complexContent&nbsp;&mixed=&quot;true&quot;&gt;&lt;xsd:restriction&nbsp;&base=&quot;xsd:anyType&quot;&gt;&lt;xsd:choice&nbsp;&minOccurs=&quot;0&quot;&nbsp;&maxOccurs=&quot;unbounded&quot;&gt;&lt;xsd:element&nbsp;&name=&quot;tool&quot;&nbsp;&type=&quot;xsd:string&quot;&nbsp;&/&gt;&lt;xsd:element&nbsp;&name=&quot;material&quot;&nbsp;&type=&quot;xsd:string&quot;&nbsp;&/&gt;&lt;xsd:element&nbsp;&name=&quot;blueprint&quot;&nbsp;&type=&quot;xsd:string&quot;&nbsp;&/&gt;&lt;xsd:element&nbsp;&name=&quot;specs&quot;&nbsp;&type=&quot;xsd:string&quot;&nbsp;&/&gt;&lt;xsd:element&nbsp;&name=&quot;diag&quot;&nbsp;&type=&quot;xsd:string&quot;&nbsp;&/&gt;&lt;/xsd:choice&gt;&lt;/xsd:restriction&gt;&lt;/xsd:complexContent&gt;&lt;/xsd:complexType&gt;&lt;/xsd:schema&gt;&#39;
```

GO

Depends On ¹

 Production

Used By ¹

 Production.ProductModel


```
name="Summary" mixed="true" ><xsd:complexContent mixed="true" ><xsd:restriction base="xsd:anyType" ><xsd:sequence ><xsd:any namespace="http://www.w3.org/1999/xhtml" processContents="skip" minOccurs="0" maxOccurs="unbounded" /></xsd:sequence></xsd:restriction></xsd:complexContent></xsd:complexType></xsd:schema>&#39;
```

GO

Depends On ¹

 [Production](#)

Used By ¹

 [Production.ProductModel](#)

Storage

Objects 1

 [Full-Text Catalogs](#)

Full-Text Catalogs

Objects 1




Name
AW2025FullTextCatalog

AW2025FullTextCatalog

Properties

Name	Value
Owner	dbo
Default Catalog	True
Accent Sensitivity	True
File Group	
Path	



Assigned Tables 3

-  [HumanResources.JobCandidate](#)
-  [Production.Document](#)
-  [Production.ProductReview](#)




SQL Script

```
CREATE FULLTEXT CATALOG AW2025FullTextCatalog
AS DEFAULT
AUTHORIZATION dbo
GO
```

Depends On 2

-  AdventureWorks2025
-  dbo

Used By 3

-  [HumanResources.JobCandidate](#)
-  [Production.Document](#)
-  [Production.ProductReview](#)

Security


Objects 2

 Roles

 Schemas

Roles

Objects 1

 Database Roles

Database Roles

Objects 10

Name	Description
db_accessadmin	
db_backupoperator	
db_datareader	
db_datawriter	
db_ddladmin	
db_denydatareader	
db_denydatawriter	
db_owner	
db_securityadmin	
public	

db_accessadmin

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_accessadmin
GO
```

Depends On 1

 dbo

Used By

No items found

db_backupoperator

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_backupoperator  
GO
```

Depends On 1

 dbo

Used By

No items found

db_datareader

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_datareader  
GO
```

Depends On ¹

 dbo

Used By

No items found

db_datawriter

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_datawriter  
GO
```

Depends On ¹

 dbo

Used By

No items found

db_ddladmin

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_ddladmin
GO
```

Depends On 1

 dbo

Used By

No items found

db_denydatareader

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_denydatareader
GO
```

Depends On ¹

 dbo

Used By

No items found

db_denydatawriter

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_denydatawriter  
GO
```

Depends On ¹

 dbo

Used By

No items found

db_owner

Properties

Name	Value
Owner	dbo

Members 1

 dbo

SQL Script

```
CREATE ROLE db_owner
GO

EXEC sp_addrolemember N'db_owner', N'dbo'
GO
```

Depends On 1

 dbo

Used By

No items found

db_securityadmin

Properties

Name	Value
Owner	dbo

Members

No items found

SQL Script

```
CREATE ROLE db_securityadmin
GO
```

Depends On 1

 dbo

Used By

No items found

public

Properties

Name	Value
Owner	dbo

Members

No items found

Database Level Permissions 2

Type	Action
Grant	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION
Grant	VIEW ANY COLUMN MASTER KEY DEFINITION

SQL Script

```
CREATE ROLE [public]
GO
```

Depends On 1

 dbo

Used By

No items found

Schemas

Objects 18

Name	Description
db_accessadmin	
db_backupoperator	
db_datareader	
db_datawriter	
db_ddladmin	
db_denydatareader	
db_denydatawriter	
db_owner	
db_securityadmin	
dbo	
guest	
HumanResources	Contains objects related to employees and departments.
INFORMATION_SCHEMA	
Person	Contains objects related to names and addresses of customers, vendors, and employees
Production	Contains objects related to products, inventory, and manufacturing.
Purchasing	Contains objects related to vendors and purchase orders.
Sales	Contains objects related to customers, sales orders, and sales territories.
sys	

db_accessadmin

Properties

Name	Value
Owner	db_accessadmin

SQL Script

```
CREATE SCHEMA db_accessadmin AUTHORIZATION db_accessadmin  
GO
```

Depends On

No items found

Used By

No items found

db_backupoperator

Properties

Name	Value
Owner	db_backupoperator

SQL Script

```
CREATE SCHEMA db_backupoperator AUTHORIZATION db_backupoperator  
GO
```

Depends On

No items found

Used By

No items found

db_datareader

Properties

Name	Value
Owner	db_datareader

SQL Script

```
CREATE SCHEMA db_datareader AUTHORIZATION db_datareader
GO
```

Depends On

No items found

Used By

No items found

db_datawriter

Properties

Name	Value
Owner	db_datawriter

SQL Script

```
CREATE SCHEMA db_datawriter AUTHORIZATION db_datawriter  
GO
```

Depends On

No items found

Used By

No items found

db_ddladmin

Properties

Name	Value
Owner	db_ddladmin

SQL Script

```
CREATE SCHEMA db_ddladmin AUTHORIZATION db_ddladmin
GO
```

Depends On

No items found

Used By

No items found

db_denydatareader

Properties

Name	Value
Owner	db_denydatareader

SQL Script

```
CREATE SCHEMA db_denydatareader AUTHORIZATION db_denydatareader
GO
```

Depends On

No items found

Used By

No items found

db_denydatawriter

Properties

Name	Value
Owner	db_denydatawriter

SQL Script

```
CREATE SCHEMA db_denydatawriter AUTHORIZATION db_denydatawriter
GO
```

Depends On

No items found

Used By

No items found

db_owner

Properties

Name	Value
Owner	db_owner

SQL Script

```
CREATE SCHEMA db_owner AUTHORIZATION db_owner  
GO
```

Depends On

No items found

Used By

No items found

db_securityadmin

Properties

Name	Value
Owner	db_securityadmin

SQL Script

```
CREATE SCHEMA db_securityadmin AUTHORIZATION db_securityadmin  
GO
```

Depends On

No items found

Used By

No items found

dbo

Description

Properties

Name	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA dbo AUTHORIZATION dbo
GO
```

Depends On

No items found

Used By

No items found

guest

Description

Properties

Name	Value
Owner	guest

SQL Script

```
CREATE SCHEMA guest AUTHORIZATION guest  
GO
```

Depends On

No items found

Used By

No items found

HumanResources

Description

Contains objects related to employees and departments.

Properties

Name	Value
Owner	dbo

SQL Script



```
CREATE SCHEMA HumanResources AUTHORIZATION dbo
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contains objects related to employees and departments.', 'SCHEMA', N'HumanResources'
GO
```

Depends On 1

 dbo

Used By 19

-  HumanResources.uspUpdateEmployeeHireInfo
-  HumanResources.uspUpdateEmployeeLogin
-  HumanResources.uspUpdateEmployeePersonalInfo
-  HumanResources.BusinessEntity
-  HumanResources.Department
-  HumanResources.Employee
-  HumanResources.EmployeeDepartmentHistory
-  HumanResources.EmployeePayHistory
-  HumanResources.EmployeesCategory
-  HumanResources.JobCandidate
-  HumanResources.Shift
-  dEmployee
-  HumanResources.vEmployee
-  HumanResources.vEmployeeDepartment
-  HumanResources.vEmployeeDepartmentHistory
-  HumanResources.vJobCandidate
-  HumanResources.vJobCandidateEducation
-  HumanResources.vJobCandidateEmployment
-  HumanResources.HRRResumeSchemaCollection

INFORMATION_SCHEMA

Properties

Name	Value
Owner	INFORMATION_SCHEMA

SQL Script

```
CREATE SCHEMA INFORMATION_SCHEMA AUTHORIZATION INFORMATION_SCHEMA
GO
```

Depends On

No items found

Used By

No items found

Person

Description

Contains objects related to names and addresses of customers, vendors, and employees

Properties

Name	Value
Owner	dbo

SQL Script



















```
CREATE SCHEMA Person AUTHORIZATION dbo
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contains objects related to names and addresses of customers, vendors, and employees', 'SCHEMA', N'Person'
GO
```

Depends On 1

 dbo

Used By 18

-  Person.Address
-  Person.AddressType
-  Person.BusinessEntity
-  Person.BusinessEntityAddress
-  Person.BusinessEntityContact
-  Person.ContactType
-  Person.CountryRegion
-  Person.EmailAddress
-  Person.Password
-  Person.Person
-  Person.PersonPhone
-  Person.PhoneNumberType
-  Person.StateProvince
-  iuPerson
-  Person.vAdditionalContactInfo
-  Person.vStateProvinceCountryRegion
-  Person.AdditionalContactInfoSchemaCollection
-  Person.IndividualSurveySchemaCollection

Production

Description

Contains objects related to products, inventory, and manufacturing.

Properties

Name	Value
Owner	dbo

SQL Script





























```
CREATE SCHEMA Production AUTHORIZATION dbo
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contains objects related to products, inventory,&
nbsp;and manufacturing.', 'SCHEMA', N'Production'
GO
```

Depends On 1

 dbo

Used By 32

-  Production.BillOfMaterials
-  Production.Culture
-  Production.Document
-  Production.Illustration
-  Production.Location
-  Production.Product
-  Production.ProductCategory
-  Production.ProductCostHistory
-  Production.ProductDescription
-  Production.ProductDocument
-  Production.ProductInventory
-  Production.ProductListPriceHistory
-  Production.ProductModel
-  Production.ProductModelIllustration
-  Production.ProductModelProductDescriptionCulture
-  Production.ProductPhoto
-  Production.ProductProductPhoto
-  Production.ProductReview
-  Production.ProductSubcategory
-  Production.ScrapReason
-  Production.TransactionHistory
-  Production.TransactionHistoryArchive
-  Production.UnitMeasure
-  Production.WorkOrder
-  Production.WorkOrderRouting
-  iWorkOrder
-  uWorkOrder
-  Production.vProductAndDescription
-  Production.vProductModelCatalogDescription



Production.vProductModelInstructions



Production.ManuInstructionsSchemaCollection



Production.ProductDescriptionSchemaCollection

Purchasing

Description

Contains objects related to vendors and purchase orders.

Properties

Name	Value
Owner	dbo

SQL Script












```
CREATE SCHEMA Purchasing AUTHORIZATION dbo
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contains objects related to vendors and purchase orders.', 'SCHEMA', N'Purchasing'
GO
```

Depends On 1

 dbo

Used By 11

-  Purchasing.ProductVendor
-  Purchasing.PurchaseOrderDetail
-  Purchasing.PurchaseOrderHeader
-  Purchasing.ShipMethod
-  Purchasing.Vendor
-  dVendor
-  iPurchaseOrderDetail
-  uPurchaseOrderDetail
-  uPurchaseOrderHeader
-  Purchasing.vVendorWithAddresses
-  Purchasing.vVendorWithContacts

Sales

Description

Contains objects related to customers, sales orders, and sales territories.

Properties

Name	Value
Owner	dbo

SQL Script






























```
CREATE SCHEMA Sales AUTHORIZATION dbo
GO

EXEC sys.sp_addextendedproperty N'MS_Description', N'Contains objects related to customers, sales orders, and sales territories.', 'SCHEMA', N'Sales'
GO
```

Depends On 1

 dbo

Used By 29

-  Sales.CountryRegionCurrency
-  Sales.CreditCard
-  Sales.Currency
-  Sales.CurrencyRate
-  Sales.Customer
-  Sales.PersonCreditCard
-  Sales.SalesOrderDetail
-  Sales.SalesOrderHeader
-  Sales.SalesOrderHeaderSalesReason
-  Sales.SalesPerson
-  Sales.SalesPersonQuotaHistory
-  Sales.SalesReason
-  Sales.SalesTaxRate
-  Sales.SalesTerritory
-  Sales.SalesTerritoryHistory
-  Sales.ShoppingCartItem
-  Sales.SpecialOffer
-  Sales.SpecialOfferProduct
-  Sales.Store
-  iduSalesOrderDetail
-  uSalesOrderHeader
-  Sales.vIndividualCustomer
-  Sales.vPersonDemographics
-  Sales.vSalesPerson
-  Sales.vSalesPersonSalesByFiscalYears
-  Sales.vStoreWithAddresses
-  Sales.vStoreWithContacts
-  Sales.vStoreWithDemographics
-  Sales.StoreSurveySchemaCollection



Properties

Name	Value
Owner	sys

SQL Script

```
CREATE SCHEMA sys AUTHORIZATION sys
GO
```

Depends On

No items found

Used By

No items found