

# SQL Database Documentation

AdventureWorksLT2019\_snapshot



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# Table of Contents

Disclaimer

SQL Instance Information

AdventureWorksLT2019\_snapshot (Database Snapshot)

Assemblies	12
Microsoft.SqlServer.Types	13
Database Creation Script	14
Options	15
Files	17
Filegroups	18
Stored Procedures	19
uspLogError	20
uspPrintError	23
Tables	25
Address	26
Columns	28
AddressID	29
AddressLine1	30
AddressLine2	31
City	32
CountryRegion	33
ModifiedDate	34
PostalCode	35
rowguid	36
StateProvince	37
Foreign Keys	38
Triggers	39
BuildVersion	40
Columns	42
Database Version	43
ModifiedDate	44

SystemInformationID	45
VersionDate	46
Foreign Keys	47
Triggers	48
Customer	49
Columns	51
CompanyName	52
CustomerID	53
EmailAddress	54
FirstName	55
LastName	56
MiddleName	57
ModifiedDate	58
NameStyle	59
PasswordHash	60
PasswordSalt	61
Phone	62
rowguid	63
SalesPerson	64
Suffix	65
Title	66
Foreign Keys	67
Triggers	68
CustomerAddress	69
Columns	71
AddressID	72
AddressType	73
CustomerID	74
ModifiedDate	75
rowguid	76
Foreign Keys	77
FK_CustomerAddress_Address_AddressID	78
FK_CustomerAddress_Customer_CustomerID	79
Triggers	80

ErrorLog	81
Columns	84
ErrorLine	85
ErrorLogID	86
ErrorMessage	87
ErrorNumber	88
ErrorProcedure	89
ErrorSeverity	90
ErrorState	91
ErrorTime	92
UserName	93
Foreign Keys	94
Triggers	95
Product	96
Columns	98
Color	99
DiscontinuedDate	100
ListPrice	101
ModifiedDate	102
Name	103
ProductCategoryID	104
ProductID	105
ProductModelID	106
ProductNumber	107
rowguid	108
SellEndDate	109
SellStartDate	110
Size	111
StandardCost	112
ThumbNailPhoto	113
ThumbnailPhotoFileName	114
Weight	115
Foreign Keys	116
FK_Product_ProductCategory_ProductCategoryID	117

FK_Product_ProductModel_ProductModelID	118
Triggers	119
ProductCategory	120
Columns	122
ModifiedDate	123
Name	124
ParentProductCategoryID	125
ProductCategoryID	126
rowguid	127
Foreign Keys	128
FK_ProductCategory_ProductCategory_ParentProductCategoryID_ProductCategoryID	129
Triggers	130
ProductDescription	131
Columns	133
Description	134
ModifiedDate	135
ProductDescriptionID	136
rowguid	137
Foreign Keys	138
Triggers	139
ProductModel	140
Columns	142
CatalogDescription	143
ModifiedDate	144
Name	145
ProductModelID	146
rowguid	147
Foreign Keys	148
Triggers	149
ProductModelProductDescription	150
Columns	152
Culture	153
ModifiedDate	154
ProductDescriptionID	155

ProductModelID	156
rowguid	157
Foreign Keys	158
FK_ProductModelProductDescription_ProductDescription_ProductDescriptionID	159
FK_ProductModelProductDescription_ProductModel_ProductModelID	160
Triggers	161
SalesOrderDetail	162
Columns	164
LineTotal	165
ModifiedDate	166
OrderQty	167
ProductID	168
rowguid	169
SalesOrderDetailID	170
SalesOrderID	171
UnitPrice	172
UnitPriceDiscount	173
Foreign Keys	174
FK_SalesOrderDetail_Product_ProductID	175
FK_SalesOrderDetail_SalesOrderHeader_SalesOrderID	176
Triggers	177
iduSalesOrderDetail	178
SalesOrderHeader	180
Columns	182
AccountNumber	183
BillToAddressID	184
Comment	185
CreditCardApprovalCode	186
CustomerID	187
DueDate	188
Freight	189
ModifiedDate	190
OnlineOrderFlag	191
OrderDate	192

PurchaseOrderNumber	193
RevisionNumber	194
rowguid	195
SalesOrderID	196
SalesOrderNumber	197
ShipDate	198
ShipMethod	199
ShipToAddressID	200
Status	201
SubTotal	202
TaxAmt	203
TotalDue	204
Foreign Keys	205
FK_SalesOrderHeader_Address_BillTo_AddressID	206
FK_SalesOrderHeader_Address_ShipTo_AddressID	207
FK_SalesOrderHeader_Customer_CustomerID	208
Triggers	209
uSalesOrderHeader	210
User Defined Functions	212
ufnGetAllCategories	213
ufnGetCustomerInformation	215
ufnGetSalesOrderStatusText	217
Views	219
vGetAllCategories	220
vProductAndDescription	221
vProductModelCatalogDescription	222

Version History

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# SQL Instance Information

Provides general information for this item.

---

## General Information

Name	CLUSTER-2K19-2
Description	Microsoft SQL Server 2019 Enterprise Edition (64-bit)
Primary Owner Name	Technical Services
Primary Owner Contact	technicalservices@contoso.com

---

## System Information

Item Path	Contoso Technical Services
Item ID	1115
Version ID	1.03
CheckOut Status	Available

---

## Custom Item Details

This is a demonstration SQL Instance item.

# AdventureWorksLT2019\_snapshot

## (Database Snapshot)

This section provides detailed information relating to the database.

### Database

Date Created	10/09/2020 14:19:12
Description	AdventureWorksLT 2012 Sample OLTP Database
Memory Allocated To Memory Optimized Objects	0.00
Memory Used By Memory Optimized Objects	0.00
Owner	TEST2019\sysadmin
Size (MB)	23.94
Space Available (MB)	15.59
Status	Normal

### Maintenance

Collation	SQL_Latin1_General_CP1_CI_AS
-----------	------------------------------

### Full-Text Search

Use Full-Text Indexing	True
------------------------	------

### Backup

Last Database Backup	[Not Configured]
Last Log Backup Date	[Not Configured]

### Change Tracking

Change Tracking Enabled	False
-------------------------	-------

### Database Mirroring

Enabled	False
---------	-------

### 3 Permissions

Name	Grantor	Permission	State
 public	dbo	VIEW ANY COLUMN ENCRYPTION KEY DEFINITION	Grant
 public	dbo	VIEW ANY COLUMN MASTER KEY DEFINITION	Grant
 dbo	dbo	CONNECT	Grant

---

 1 Extended Properties

Name	Type	Value
 ms_description	String	AdventureWorksLT 2012 Sample OLTP Database

---

 Query Store

Information is not available for this section because the object does not support the providing of this information or it is not relevant to this object.

# Assemblies

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

---

☰ 1 Assemblies

Name	Security Level	Version
☰ Microsoft.SqlServer.Types	Unrestricted	15.0.0.0

# Microsoft.SqlServer.Types

Assemblies are DLL files used in an instance of SQL Server to deploy functions, stored procedures, triggers, user-defined aggregates, and user-defined types that are written in one of the managed code languages hosted by the Microsoft.NET Framework common language runtime (CLR), instead of in Transact-SQL.

---

## General Settings

Assembly Security Level	Unrestricted
Date Created	10/02/2012 20:16:00
Strong Named	True
System Object	True
Owner	sys
Version	15.0.0.0

---

## Extended Properties

There are no extended properties defined for this object.

# Database Creation Script

This section provides the T-SQL command used to create the database.

---

 SQL Script

---

```
CREATE DATABASE [AdventureWorksLT2019_snapshot]
CONTAINMENT = NONE
ON
( NAME = 'AdventureWorksLT2012_Data', FILENAME = 'C:\snapshots\AdventureWorksLT2019_Snapshot.ss' ) AS
SNAPSHOT OF [AdventureWorksLT2019]
ALTER DATABASE [AdventureWorksLT2019_snapshot] SET QUERY_STORE = OFF
ALTER DATABASE [AdventureWorksLT2019_snapshot] SET READ_ONLY
```

# Options

This section provides options information relating to the database.

## Maintenance

Collation	SQL_Latin1_General_CP1_CI_AS
Recovery Model	Simple
Compatibility Level	SQL Server 2012 (110)
Containment Type	NONE

## Automatic

Auto Close	False
Auto Create Incremental Statistics	False
Auto Create Statistics	True
Auto Shrink	False
Auto Update Statistics	True
Auto Update Statistics Asynchronously	False

## Containment

Containment Type	NONE
Default Fulltext Language LCID	1033
Default Language Name	English (United States)
Nested Triggers	True
Transform Noise Words	False
Two Digit Year Cutoff	2049

## Cursor

Close Cursors On Commit Enabled	False
Default Cursor	GLOBAL

## Database Scoped Configurations

Legacy Cardinality Estimation	Off
Legacy Cardinality Estimation For Secondary	Primary
Max DOP	0
Max DOP For Secondary	0
Parameter Sniffing	On
Parameter Sniffing For Secondary	Primary
Query Optimizer Fixes	Off
Query Optimizer Fixes For Secondary	Primary

## FILESTREAM

FILESTREAM Directory Name	
---------------------------	--

FILESTREAM Non-Transacted Access	Off
----------------------------------	-----

## Miscellaneous

Allow Snapshot Isolation	True
--------------------------	------

ANSI NULL Default	False
-------------------	-------

ANSI NULLS Enabled	False
--------------------	-------

ANSI Padding Enabled	False
----------------------	-------

ANSI Warnings Enabled	False
-----------------------	-------

Arithmetic Abort Enabled	False
--------------------------	-------

Concatenate Null Yields Null	False
------------------------------	-------

Cross-database Ownership Chaining Enabled	False
---	-------

Date Correlation Optimization	False
-------------------------------	-------

Delayed Durability	Disabled
--------------------	----------

Is Read Committed Snapshot On	False
-------------------------------	-------

Parameterization	Simple
------------------	--------

Quoted Identifiers Enabled	False
----------------------------	-------

Recursive Triggers Enabled	False
----------------------------	-------

Trustworthy	False
-------------	-------

VarDecimal Storage Format Enabled	True
-----------------------------------	------

## Recovery

Page Verify	CHECKSUM
-------------	----------

Target Recovery Time (Seconds)	0
--------------------------------	---

## Service Broker

Broker Enabled	False
----------------	-------

Honor Broker Priority	False
-----------------------	-------

Service Broker Identity	bc496221-bc4f-45b3-85dd-6d004e109007
-------------------------	--------------------------------------

## State

Database Read-Only	True
--------------------	------

Status	Normal
--------	--------

Encryption Enabled	False
--------------------	-------

Restrict Access	MULTI_USER
-----------------	------------

# Files

This section provides information relating to the files used by the database.

---

## AdventureWorksLT2012\_Data

File Type	ROWS Data
Primary File	True
Sparse	True
Filegroup Name	PRIMARY
Initial Size (MB)	22
Autogrowth	By 16 MB, Unlimited
Path	C:\snapshots
Filename	AdventureWorksLT2019_Snapshot.ss

---

## AdventureWorksLT2012\_Log

File Type	LOG
Sparse	False
Initial Size (MB)	2
Autogrowth	By 10 percent, Unlimited
Path	C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA
Filename	AdventureWorksLT2012_log.ldf

# Filegroups

Filegroups are used to group data files together for administrative, data allocation, and placement purposes.

---

 1 Filegroups

Name	Type	Files	Read-Only	Default	Autogrow All Files
 PRIMARY	Rows	1	False	True	False

# Stored Procedures

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.

---

## 2 Stored Procedures

Name	Schema	Owner
 uspLogError	dbo	dbo
 uspPrintError	dbo	dbo

# uspLogError

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.

## General Settings

Schema	dbo
Owner	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
System Object	False
Description	Logs error information in the ErrorLog table about the error that caused execution to jump to the CATCH block of a TRY...CATCH construct. Should be executed from within the scope of a CATCH block otherwise it will return without inserting error information.
Execution Context	Caller

## Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
For Replication	False
Recompile	False
Natively Compiled	False
Schema Bound	False

## 1 Parameters

Name	Data Type	Default Value	Direction
@ErrorLogID	int	0	Input/Output

## 1 Extended Properties

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

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
-- uspLogError logs error information in the ErrorLog table about the
-- error that caused execution to jump to the CATCH block of a
-- TRY...CATCH construct. This should be executed from within the scope
-- of a CATCH block otherwise it will return without inserting error
-- information.
CREATE 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 is in an uncommittable state. '
                + 'Rollback the transaction before executing uspLogError in order to successfully log
error information.';
            RETURN;
        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: ';
        EXECUTE [dbo].[uspPrintError];
        RETURN -1;
    END CATCH
END;
```



# uspPrintError

A stored procedure in SQL Server is a group of one or more Transact-SQL statements or a reference to a Microsoft .NET Framework common runtime language (CLR) method.

## General Settings

Schema	dbo
Owner	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
System Object	False
Description	Prints error information about the error that caused execution to jump to the CATCH block of a TRY...CATCH construct. Should be executed from within the scope of a CATCH block otherwise it will return without printing any error information.
Execution Context	Caller

## Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
For Replication	False
Recompile	False
Natively Compiled	False
Schema Bound	False

## Parameters

There are no parameters defined.

## 1 Extended Properties

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

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
-- uspPrintError prints error information about the error that caused
-- execution to jump to the CATCH block of a TRY...CATCH construct.
-- Should be executed from within the scope of a CATCH block otherwise
-- it will return without printing any error information.
CREATE 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;
```

# Tables

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## 12 Tables

Name	Schema	Collation	Description
Address	SalesLT	SQL_Latin1_General_CP1_CI_AS	Street address information for customers.
BuildVersion	dbo	SQL_Latin1_General_CP1_CI_AS	Current version number of the AdventureWorksLT 2012 sample database.
Customer	SalesLT	SQL_Latin1_General_CP1_CI_AS	Customer information.
CustomerAddress	SalesLT	SQL_Latin1_General_CP1_CI_AS	Cross-reference table mapping customers to their address(es).
ErrorLog	dbo	SQL_Latin1_General_CP1_CI_AS	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.
Product	SalesLT	SQL_Latin1_General_CP1_CI_AS	Products sold or used in the manufacturing of sold products.
ProductCategory	SalesLT	SQL_Latin1_General_CP1_CI_AS	High-level product categorization.
ProductDescription	SalesLT	SQL_Latin1_General_CP1_CI_AS	Product descriptions in several languages.
ProductModel	SalesLT	SQL_Latin1_General_CP1_CI_AS	
ProductModelProductDescription	SalesLT	SQL_Latin1_General_CP1_CI_AS	Cross-reference table mapping product descriptions and the language the description is written in.
SalesOrderDetail	SalesLT	SQL_Latin1_General_CP1_CI_AS	Individual products associated with a specific sales order. See SalesOrderHeader.
SalesOrderHeader	SalesLT	SQL_Latin1_General_CP1_CI_AS	General sales order information.

# Address

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Street address information for customers.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	450

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Street address information for customers.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[Address](
    [AddressID] [int] IDENTITY(1,1) NOT FOR REPLICATION NOT NULL,
    [AddressLine1] [nvarchar](60) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [AddressLine2] [nvarchar](60) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [City] [nvarchar](30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [StateProvince] [dbo].[Name] NOT NULL,
    [CountryRegion] [dbo].[Name] NOT NULL,
    [PostalCode] [nvarchar](15) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

9 Columns

Name	Data Type	Allow Nulls
 AddressID	int	False
 AddressLine1	nvarchar(60)	False
 AddressLine2	nvarchar(60)	True
 City	nvarchar(30)	False
 CountryRegion	userdefineddatatype	False
 ModifiedDate	datetime	False
 PostalCode	nvarchar(15)	False
 rowguid	uniqueidentifier	False
 StateProvince	userdefineddatatype	False

## AddressID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key for Address records.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	True

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for Address records.

## AddressLine1

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(60)
Default Schema	
Default Value Or Binding	
Description	First street address line.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	First street address line.

## AddressLine2

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(60)
Default Schema	
Default Value Or Binding	
Description	Second street address line.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Second street address line.

## City

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(30)
Default Schema	
Default Value Or Binding	
Description	Name of the city.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Name of the city.

## CountryRegion

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

Extended Properties	
There are no extended properties defined for this object.	

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## PostalCode

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(15)
Default Schema	
Default Value Or Binding	
Description	Postal code for the street address.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Postal code for the street address.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## StateProvince

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Name of state or province.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Name of state or province.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### Foreign Keys

---

There are no foreign keys defined.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# BuildVersion

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Current version number of the AdventureWorksLT 2012 sample database.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	1

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Current version number of the AdventureWorksLT 2012 sample database.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[BuildVersion](
    [SystemInformationID] [tinyint] IDENTITY(1,1) NOT NULL,
    [Database Version] [nvarchar](25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [VersionDate] [datetime] NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

---

☰ 4 Columns

Name	Data Type	Allow Nulls
☰ Database Version	nvarchar(25)	False
☰ ModifiedDate	datetime	False
☰ SystemInformationID	tinyint	False
☰ VersionDate	datetime	False

## Database Version

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(25)
Default Schema	
Default Value Or Binding	
Description	Version number of the database in 9.yy.mm.dd.00 format.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Version number of the database in 9.yy.mm.dd.00 format.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## SystemInformationID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	tinyint
Default Schema	
Default Value Or Binding	
Description	Primary key for BuildVersion records.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for BuildVersion records.

## VersionDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### Foreign Keys

---

There are no foreign keys defined.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# Customer

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Customer information.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	847

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Customer information.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[Customer](
    [CustomerID] [int] IDENTITY(1,1) NOT FOR REPLICATION NOT NULL,
    [NameStyle] [dbo].[NameStyle] NOT NULL,
    [Title] [nvarchar](8) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [FirstName] [dbo].[Name] NOT NULL,
    [MiddleName] [dbo].[Name] NULL,
    [LastName] [dbo].[Name] NOT NULL,
    [Suffix] [nvarchar](10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [CompanyName] [nvarchar](128) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [SalesPerson] [nvarchar](256) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [EmailAddress] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [Phone] [dbo].[Phone] NULL,
    [PasswordHash] [varchar](128) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [PasswordSalt] [varchar](10) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### 15 Columns

Name	Data Type	Allow Nulls
CompanyName	nvarchar(128)	True
CustomerID	int	False
EmailAddress	nvarchar(50)	True
FirstName	userdefineddatatype	False
LastName	userdefineddatatype	False
MiddleName	userdefineddatatype	True
ModifiedDate	datetime	False
NameStyle	userdefineddatatype	False
PasswordHash	varchar(128)	False
PasswordSalt	varchar(10)	False
Phone	userdefineddatatype	True
rowguid	uniqueidentifier	False
SalesPerson	nvarchar(256)	True
Suffix	nvarchar(10)	True
Title	nvarchar(8)	True

## CompanyName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(128)
Default Schema	
Default Value Or Binding	
Description	The customer's organization.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The customer's organization.

## CustomerID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key for Customer records.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	True

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for Customer records.

## EmailAddress

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(50)
Default Schema	
Default Value Or Binding	
Description	E-mail address for the person.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	E-mail address for the person.

## FirstName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	First name of the person.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	First name of the person.

## LastName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Last name of the person.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Last name of the person.

## MiddleName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Middle name or middle initial of the person.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Middle name or middle initial of the person.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## NameStyle

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	((0))
Description	0 = The data in FirstName and LastName are stored in western style (first name, last name) order. 1 = Eastern style (last name, first name) order.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	0 = The data in FirstName and LastName are stored in western style (first name, last name) order. 1 = Eastern style (last name, first name) order.

## PasswordHash

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	varchar(128)
Default Schema	
Default Value Or Binding	
Description	Password for the e-mail account.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Password for the e-mail account.

## PasswordSalt

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	varchar(10)
Default Schema	
Default Value Or Binding	
Description	Random value concatenated with the password string before the password is hashed.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Random value concatenated with the password string before the password is hashed.

## Phone

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Phone number associated with the person.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Phone number associated with the person.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## SalesPerson

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(256)
Default Schema	
Default Value Or Binding	
Description	The customer's sales person, an employee of AdventureWorks Cycles.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The customer's sales person, an employee of AdventureWorks Cycles.

## Suffix

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(10)
Default Schema	
Default Value Or Binding	
Description	Surname suffix. For example, Sr. or Jr.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Surname suffix. For example, Sr. or Jr.

## Title

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(8)
Default Schema	
Default Value Or Binding	
Description	A courtesy title. For example, Mr. or Ms.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	A courtesy title. For example, Mr. or Ms.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### Foreign Keys

---

There are no foreign keys defined.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# CustomerAddress

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Cross-reference table mapping customers to their address(es).
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	417

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Cross-reference table mapping customers to their address(es).

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[CustomerAddress](
    [CustomerID] [int] NOT NULL,
    [AddressID] [int] NOT NULL,
    [AddressType] [dbo].[Name] NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

☰ 5 Columns

Name	Data Type	Allow Nulls
🔑 AddressID	int	False
☰ AddressType	userdefineddatatype	False
🔑 CustomerID	int	False
☰ ModifiedDate	datetime	False
☰ rowguid	uniqueidentifier	False

## AddressID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key. Foreign key to Address.AddressID.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 1 Extended Properties

Name	Type	Value
ms_description	String	Primary key. Foreign key to Address.AddressID.

## AddressType

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	The kind of Address. One of: Archive, Billing, Home, Main Office, Primary, Shipping
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The kind of Address. One of: Archive, Billing, Home, Main Office, Primary, Shipping

## CustomerID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key. Foreign key to Customer.CustomerID.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Primary key. Foreign key to Customer.CustomerID.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### 2 Foreign Keys

Name	Enabled	Referenced Table Name
 FK_CustomerAddress_Address_AddressID	True	Address
 FK_CustomerAddress_Customer_CustomerID	True	Customer

## FK\_CustomerAddress\_Address\_AddressID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	CustomerAddress
Columns	AddressID
Referenced Table Name	Address
Referenced Columns	AddressID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
MS_Description	String	Foreign key constraint referencing Address.AddressID.

## FK\_CustomerAddress\_Customer\_CustomerID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	CustomerAddress
Columns	CustomerID
Referenced Table Name	Customer
Referenced Columns	CustomerID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing Customer.CustomerID.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# ErrorLog

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
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.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	0

## 1 Extended Properties

Name	Type	Value
------	------	-------

 ms_description	String	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.
--	--------	--

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [dbo].[ErrorLog](
    [ErrorLogID] [int] IDENTITY(1,1) NOT NULL,
    [ErrorTime] [datetime] NOT NULL,
    [UserName] [sysname] COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [ErrorNumber] [int] NOT NULL,
    [ErrorSeverity] [int] NULL,
    [ErrorState] [int] NULL,
    [ErrorProcedure] [nvarchar](126) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [ErrorLine] [int] NULL,
    [ErrorMessage] [nvarchar](4000) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

☰ 9 Columns

Name	Data Type	Allow Nulls
☰ ErrorLine	int	True
☰ ErrorLogID	int	False
☰ ErrorMessage	nvarchar(4000)	False
☰ ErrorNumber	int	False
☰ ErrorProcedure	nvarchar(126)	True
☰ ErrorSeverity	int	True
☰ ErrorState	int	True
☰ ErrorTime	datetime	False
☰ UserName	sysname	False

## ErrorLine

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	The line number at which the error occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The line number at which the error occurred.

## ErrorLogID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key for ErrorLog records.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for ErrorLog records.

## ErrorMessage

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(4000)
Default Schema	
Default Value Or Binding	
Description	The message text of the error that occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The message text of the error that occurred.

## ErrorNumber

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	The error number of the error that occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The error number of the error that occurred.

## ErrorProcedure

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(126)
Default Schema	
Default Value Or Binding	
Description	The name of the stored procedure or trigger where the error occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The name of the stored procedure or trigger where the error occurred.

## ErrorSeverity

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	The severity of the error that occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The severity of the error that occurred.

## ErrorState

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	The state number of the error that occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The state number of the error that occurred.

## ErrorTime

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	The date and time at which the error occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The date and time at which the error occurred.

## UserName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	sysname
Default Schema	
Default Value Or Binding	
Description	The user who executed the batch in which the error occurred.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The user who executed the batch in which the error occurred.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### Foreign Keys

---

There are no foreign keys defined.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# Product

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Products sold or used in the manufacturing of sold products.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	295

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Products sold or used in the manufacturing of sold products.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[Product](
    [ProductID] [int] IDENTITY(1,1) NOT NULL,
    [Name] [dbo].[Name] NOT NULL,
    [ProductNumber] [nvarchar](25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [Color] [nvarchar](15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [StandardCost] [money] NOT NULL,
    [ListPrice] [money] NOT NULL,
    [Size] [nvarchar](5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [Weight] [decimal](8, 2) NULL,
    [ProductCategoryID] [int] NULL,
    [ProductModelID] [int] NULL,
    [SellStartDate] [datetime] NOT NULL,
    [SellEndDate] [datetime] NULL,
    [DiscontinuedDate] [datetime] NULL,
    [ThumbNailPhoto] [varbinary](max) NULL,
    [ThumbNailPhotoFileName] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### 17 Columns

Name	Data Type	Allow Nulls
Color	nvarchar(15)	True
DiscontinuedDate	datetime	True
ListPrice	money	False
ModifiedDate	datetime	False
Name	userdefineddatatype	False
ProductCategoryID	int	True
ProductID	int	False
ProductModelID	int	True
ProductNumber	nvarchar(25)	False
rowguid	uniqueidentifier	False
SellEndDate	datetime	True
SellStartDate	datetime	False
Size	nvarchar(5)	True
StandardCost	money	False
ThumbNailPhoto	varbinary(MAX)	True
ThumbnailPhotoFileName	nvarchar(50)	True
Weight	decimal(8, 2)	True

## Color

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(15)
Default Schema	
Default Value Or Binding	
Description	Product color.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product color.

## DiscontinuedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	Date the product was discontinued.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date the product was discontinued.

## ListPrice

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	
Description	Selling price.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Selling price.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## Name

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Name of the product.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Name of the product.

## ProductCategoryID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Product is a member of this product category. Foreign key to ProductCategory.ProductCategoryID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product is a member of this product category. Foreign key to ProductCategory.ProductCategoryID.

## ProductID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key for Product records.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for Product records.

## ProductModelID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Product is a member of this product model. Foreign key to ProductModel.ProductModelID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product is a member of this product model. Foreign key to ProductModel.ProductModelID.

## ProductNumber

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(25)
Default Schema	
Default Value Or Binding	
Description	Unique product identification number.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Unique product identification number.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## SellEndDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	Date the product was no longer available for sale.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date the product was no longer available for sale.

## SellStartDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	Date the product was available for sale.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date the product was available for sale.

## Size

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(5)
Default Schema	
Default Value Or Binding	
Description	Product size.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product size.

## StandardCost

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	
Description	Standard cost of the product.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Standard cost of the product.

## ThumbNailPhoto

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	
Computed Text	
Data Type	varbinary(MAX)
Default Schema	
Default Value Or Binding	
Description	Small image of the product.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Small image of the product.

## ThumbnailPhotoFileName

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(50)
Default Schema	
Default Value Or Binding	
Description	Small image file name.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Small image file name.

## Weight

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	decimal(8, 2)
Default Schema	
Default Value Or Binding	
Description	Product weight.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product weight.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### 2 Foreign Keys

Name	Enabled	Referenced Table Name
 FK_Product_ProductCategory_ProductCategoryID	True	ProductCategory
 FK_Product_ProductModel_ProductModelID	True	ProductModel

## FK\_Product\_ProductCategory\_ProductCategoryID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	Product
Columns	ProductCategoryID
Referenced Table Name	ProductCategory
Referenced Columns	ProductCategoryID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing ProductCategory.ProductCategoryID.

## FK\_Product\_ProductModel\_ProductModelID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	Product
Columns	ProductModelID
Referenced Table Name	ProductModel
Referenced Columns	ProductModelID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing ProductModel.ProductModelID.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# ProductCategory

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	High-level product categorization.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	41

## 1 Extended Properties

Name	Type	Value
 ms_description	String	High-level product categorization.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[ProductCategory](
    [ProductCategoryID] [int] IDENTITY(1,1) NOT NULL,
    [ParentProductCategoryID] [int] NULL,
    [Name] [dbo].[Name] NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

☰ 5 Columns

Name	Data Type	Allow Nulls
☰ ModifiedDate	datetime	False
☰ Name	userdefineddatatype	False
☰ ParentProductCategoryID	int	True
☰ ProductCategoryID	int	False
☰ rowguid	uniqueidentifier	False

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## Name

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Category description.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Category description.

## ParentProductCategoryID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Product category identification number of immediate ancestor category. Foreign key to ProductCategory.ProductCategoryID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product category identification number of immediate ancestor category. Foreign key to ProductCategory.ProductCategoryID.

## ProductCategoryID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key for ProductCategory records.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for ProductCategory records.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### 1 Foreign Keys

Name	Enabled	Referenced Table Name
 FK_ProductCategory_ProductCategory_ParentProductCategoryID_ProductCategoryID	True	ProductCategory

## FK\_ProductCategory\_ProductCategory\_ParentProductCategoryID\_ProductCategoryID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	ProductCategory
Columns	ParentProductCategoryID
Referenced Table Name	ProductCategory
Referenced Columns	ProductCategoryID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing ProductCategory.ProductCategoryID.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# ProductDescription

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Product descriptions in several languages.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	762

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Product descriptions in several languages.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[ProductDescription](
    [ProductDescriptionID] [int] IDENTITY(1,1) NOT NULL,
    [Description] [nvarchar](400) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

---

☰ 4 Columns

Name	Data Type	Allow Nulls
☰ Description	nvarchar(400)	False
☰ ModifiedDate	datetime	False
☰ ProductDescriptionID	int	False
☰ rowguid	uniqueidentifier	False

## Description

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(400)
Default Schema	
Default Value Or Binding	
Description	Description of the product.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Description of the product.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## ProductDescriptionID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key for ProductDescription records.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key for ProductDescription records.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### Foreign Keys

---

There are no foreign keys defined.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# ProductModel

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	128

## Extended Properties

There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[ProductModel](
    [ProductModelID] [int] IDENTITY(1,1) NOT NULL,
    [Name] [dbo].[Name] NOT NULL,
    [CatalogDescription] [xml](CONTENT [SalesLT].[ProductDescriptionSchemaCollection]) NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

☰ 5 Columns

Name	Data Type	Allow Nulls
☰ CatalogDescription	xml	True
☰ ModifiedDate	datetime	False
☰ Name	userdefineddatatype	False
☰ ProductModelID	int	False
☰ rowguid	uniqueidentifier	False

## CatalogDescription

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	xml
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

Extended Properties	
There are no extended properties defined for this object.	

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

Extended Properties	
There are no extended properties defined for this object.	

## Name

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

Extended Properties	
There are no extended properties defined for this object.	

## ProductModelID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### Extended Properties

There are no extended properties defined for this object.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### Extended Properties

There are no extended properties defined for this object.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### Foreign Keys

---

There are no foreign keys defined.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# ProductModelProductDescription

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Cross-reference table mapping product descriptions and the language the description is written in.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	762

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Cross-reference table mapping product descriptions and the language the description is written in.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[ProductModelProductDescription](
    [ProductModelID] [int] NOT NULL,
    [ProductDescriptionID] [int] NOT NULL,
    [Culture] [nchar](6) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

 5 Columns

Name	Data Type	Allow Nulls
 Culture	nchar(6)	False
 ModifiedDate	datetime	False
 ProductDescriptionID	int	False
 ProductModelID	int	False
 rowguid	uniqueidentifier	False

## Culture

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nchar(6)
Default Schema	
Default Value Or Binding	
Description	The culture for which the description is written
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	The culture for which the description is written

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## ProductDescriptionID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key. Foreign key to ProductDescription.ProductDescriptionID.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key. Foreign key to ProductDescription.ProductDescriptionID.

## ProductModelID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key. Foreign key to ProductModel.ProductModelID.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Primary key. Foreign key to ProductModel.ProductModelID.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

Extended Properties	
There are no extended properties defined for this object.	

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### 2 Foreign Keys

Name	Enabled	Referenced Table Name
 FK_ProductModelProductDescription_ProductDescription_ProductDescriptionID	True	ProductDescription
 FK_ProductModelProductDescription_ProductModel_ProductModelID	True	ProductModel

## FK\_ProductModelProductDescription\_ProductDescription\_ProductDescriptionID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	ProductModelProductDescription
Columns	ProductDescriptionID
Referenced Table Name	ProductDescription
Referenced Columns	ProductDescriptionID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing ProductDescription.ProductDescriptionID.

## FK\_ProductModelProductDescription\_ProductModel\_ProductModelID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	ProductModelProductDescription
Columns	ProductModelID
Referenced Table Name	ProductModel
Referenced Columns	ProductModelID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing ProductModel.ProductModelID.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### Triggers

---

There are no triggers defined.

# SalesOrderDetail

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	Individual products associated with a specific sales order. See SalesOrderHeader.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	542

## 1 Extended Properties

Name	Type	Value
 ms_description	String	Individual products associated with a specific sales order. See SalesOrderHeader.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[SalesOrderDetail](
    [SalesOrderID] [int] NOT NULL,
    [SalesOrderDetailID] [int] IDENTITY(1,1) NOT NULL,
    [OrderQty] [smallint] NOT NULL,
    [ProductID] [int] NOT NULL,
    [UnitPrice] [money] NOT NULL,
    [UnitPriceDiscount] [money] NOT NULL,
    [LineTotal] AS (isnull(([UnitPrice]*((1.0)-[UnitPriceDiscount]))*[OrderQty],(0.0))),
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

9 Columns

Name	Data Type	Allow Nulls
LineTotal	numeric(38, 6)	False
ModifiedDate	datetime	False
OrderQty	smallint	False
ProductID	int	False
rowguid	uniqueidentifier	False
SalesOrderDetailID	int	False
SalesOrderID	int	False
UnitPrice	money	False
UnitPriceDiscount	money	False

## LineTotal

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	(isnull(([UnitPrice]*((1.0)-[UnitPriceDiscount]))*[OrderQty],(0.0)))
Data Type	numeric(38, 6)
Default Schema	
Default Value Or Binding	
Description	Per product subtotal. Computed as UnitPrice * (1 - UnitPriceDiscount) * OrderQty.
Primary Key	False
Is Columnset	False
Computed	True
Deterministic	True
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Per product subtotal. Computed as UnitPrice * (1 - UnitPriceDiscount) * OrderQty.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## OrderQty

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	smallint
Default Schema	
Default Value Or Binding	
Description	Quantity ordered per product.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Quantity ordered per product.

## ProductID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Product sold to customer. Foreign key to Product.ProductID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Product sold to customer. Foreign key to Product.ProductID.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## SalesOrderDetailID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key. One incremental unique number per product sold.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	True
Identity Increment	1
Identity Seed	1

### 1 Extended Properties

Name	Type	Value
 ms_description	String	Primary key. One incremental unique number per product sold.

## SalesOrderID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key. Foreign key to SalesOrderHeader.SalesOrderID.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Primary key. Foreign key to SalesOrderHeader.SalesOrderID.

## UnitPrice

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	
Description	Selling price of a single product.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Selling price of a single product.

## UnitPriceDiscount

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	((0.0))
Description	Discount amount.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Discount amount.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### 2 Foreign Keys

Name	Enabled	Referenced Table Name
 FK_SalesOrderDetail_Product_ProductID	True	Product
 FK_SalesOrderDetail_SalesOrderHeader_SalesOrderID	True	SalesOrderHeader

## FK\_SalesOrderDetail\_Product\_ProductID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	SalesOrderDetail
Columns	ProductID
Referenced Table Name	Product
Referenced Columns	ProductID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### Extended Properties

There are no extended properties defined for this object.

## FK\_SalesOrderDetail\_SalesOrderHeader\_SalesOrderID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	SalesOrderDetail
Columns	SalesOrderID
Referenced Table Name	SalesOrderHeader
Referenced Columns	SalesOrderID

### INSERT And UPDATE Specification

Delete Action	Cascade
Update Action	Cascade

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing SalesOrderHeader.SalesOrderID.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### 1 Triggers

Name	Enabled	Execution Context
 iduSalesOrderDetail	True	Caller

## iduSalesOrderDetail

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

### General Settings

Enabled	True
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	
System Object	False
Execution Context	Caller

### Options

ANSI NULLs	True
Encrypted	False
Quoted Identifier	True

### Extended Properties

There are no extended properties defined for this object.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TRIGGER [SalesLT].[iduSalesOrderDetail] ON [SalesLT].[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])

        -- Update SubTotal in SalesOrderHeader record. Note that this causes the
        -- SalesOrderHeader trigger to fire which will update the RevisionNumber.
        UPDATE [SalesLT].[SalesOrderHeader]
        SET [SalesLT].[SalesOrderHeader].[SubTotal] =
            (SELECT SUM([SalesLT].[SalesOrderDetail].[LineTotal])
             FROM [SalesLT].[SalesOrderDetail]
             WHERE [SalesLT].[SalesOrderHeader].[SalesOrderID] = [SalesLT].[SalesOrderDetail].
[SalesOrderID])
        WHERE [SalesLT].[SalesOrderHeader].[SalesOrderID] IN (SELECT inserted.[SalesOrderID] 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;
ALTER TABLE [SalesLT].[SalesOrderDetail] ENABLE TRIGGER [iduSalesOrderDetail]
```

# SalesOrderHeader

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

## General Settings

Schema	SalesLT
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	General sales order information.
System Object	False
Collation	SQL_Latin1_General_CP1_CI_AS

## Options

Temporal Type	None
Durability	SchemaAndData
Memory Optimized	False
ANSI NULLs	True
Quoted Identifier	True
Replicated	False

## Change Tracking

Change Tracking Enabled	False
Track Columns Updated	False

## GraphDB

Is Edge Table	False
Is Node Table	False

## Storage

Filegroup	PRIMARY
Text Filegroup	PRIMARY
Table Partitioned	False
VarDecimal Storage Format Enabled	False
Row Count	32

## 1 Extended Properties

Name	Type	Value
ms_description	String	General sales order information.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TABLE [SalesLT].[SalesOrderHeader](
    [SalesOrderID] [int] IDENTITY(1,1) NOT FOR REPLICATION NOT NULL,
    [RevisionNumber] [tinyint] NOT NULL,
    [OrderDate] [datetime] NOT NULL,
    [DueDate] [datetime] NOT NULL,
    [ShipDate] [datetime] NULL,
    [Status] [tinyint] NOT NULL,
    [OnlineOrderFlag] [dbo].[Flag] NOT NULL,
    [SalesOrderNumber] AS (isnull('SO'+CONVERT([nvarchar](23),[SalesOrderID]),'*** ERROR ***'N)),
    [PurchaseOrderNumber] [dbo].[OrderNumber] NULL,
    [AccountNumber] [dbo].[AccountNumber] NULL,
    [CustomerID] [int] NOT NULL,
    [ShipToAddressID] [int] NULL,
    [BillToAddressID] [int] NULL,
    [ShipMethod] [nvarchar](50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
    [CreditCardApprovalCode] [varchar](15) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [SubTotal] [money] NOT NULL,
    [TaxAmt] [money] NOT NULL,
    [Freight] [money] NOT NULL,
    [TotalDue] AS (isnull(([SubTotal]+[TaxAmt])+[Freight],(0))),
    [Comment] [nvarchar](max) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
    [rowguid] [uniqueidentifier] ROWGUIDCOL NOT NULL,
    [ModifiedDate] [datetime] NOT NULL
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]
```

## Columns

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### 22 Columns

Name	Data Type	Allow Nulls
AccountNumber	userdefineddatatype	True
BillToAddressID	int	True
Comment	nvarchar(MAX)	True
CreditCardApprovalCode	varchar(15)	True
CustomerID	int	False
DueDate	datetime	False
Freight	money	False
ModifiedDate	datetime	False
OnlineOrderFlag	userdefineddatatype	False
OrderDate	datetime	False
PurchaseOrderNumber	userdefineddatatype	True
RevisionNumber	tinyint	False
rowguid	uniqueidentifier	False
SalesOrderID	int	False
SalesOrderNumber	nvarchar(25)	False
ShipDate	datetime	True
ShipMethod	nvarchar(50)	False
ShipToAddressID	int	True
Status	tinyint	False
SubTotal	money	False
TaxAmt	money	False
TotalDue	money	False

## AccountNumber

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Financial accounting number reference.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Financial accounting number reference.

## BillToAddressID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	The ID of the location to send invoices. Foreign key to the Address table.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 1 Extended Properties

Name	Type	Value
 ms_description	String	The ID of the location to send invoices. Foreign key to the Address table.

## Comment

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(MAX)
Default Schema	
Default Value Or Binding	
Description	Sales representative comments.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Sales representative comments.

## CreditCardApprovalCode

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	varchar(15)
Default Schema	
Default Value Or Binding	
Description	Approval code provided by the credit card company.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Approval code provided by the credit card company.

## CustomerID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Customer identification number. Foreign key to Customer.CustomerID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Customer identification number. Foreign key to Customer.CustomerID.

## DueDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	Date the order is due to the customer.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date the order is due to the customer.

## Freight

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	((0.00))
Description	Shipping cost.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Shipping cost.

## ModifiedDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Date and time the record was last updated.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date and time the record was last updated.

## OnlineOrderFlag

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	((1))
Description	0 = Order placed by sales person. 1 = Order placed online by customer.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	0 = Order placed by sales person. 1 = Order placed online by customer.

## OrderDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	(getdate())
Description	Dates the sales order was created.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Dates the sales order was created.

## PurchaseOrderNumber

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	userdefineddatatype
Default Schema	
Default Value Or Binding	
Description	Customer purchase order number reference.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Customer purchase order number reference.

## RevisionNumber

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	tinyint
Default Schema	
Default Value Or Binding	((0))
Description	Incremental number to track changes to the sales order over time.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Incremental number to track changes to the sales order over time.

## rowguid

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	uniqueidentifier
Default Schema	
Default Value Or Binding	(newid())
Description	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	ROWGUIDCOL number uniquely identifying the record. Used to support a merge replication sample.

## SalesOrderID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	Primary key.
Primary Key	True
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	True

Identity	
Identity	True
Identity Increment	1
Identity Seed	1

1 Extended Properties		
Name	Type	Value
ms_description	String	Primary key.

## SalesOrderNumber

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	(isnull(N'SO'+CONVERT([nvarchar](23),[SalesOrderID]),N'*** ERROR ***))
Data Type	nvarchar(25)
Default Schema	
Default Value Or Binding	
Description	Unique sales order identification number.
Primary Key	False
Is Columnset	False
Computed	True
Deterministic	True
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Unique sales order identification number.

## ShipDate

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	datetime
Default Schema	
Default Value Or Binding	
Description	Date the order was shipped to the customer.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Date the order was shipped to the customer.

## ShipMethod

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	True
Collation	SQL_Latin1_General_CP1_CI_AS
Computed Text	
Data Type	nvarchar(50)
Default Schema	
Default Value Or Binding	
Description	Shipping method. Foreign key to ShipMethod.ShipMethodID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Shipping method. Foreign key to ShipMethod.ShipMethodID.

## ShipToAddressID

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

### General Settings

Allow Nulls	True
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	int
Default Schema	
Default Value Or Binding	
Description	The ID of the location to send goods. Foreign key to the Address table.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	True
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

### Identity

Identity	False
----------	-------

### 1 Extended Properties

Name	Type	Value
 ms_description	String	The ID of the location to send goods. Foreign key to the Address table.

## Status

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	tinyint
Default Schema	
Default Value Or Binding	((1))
Description	Order current status. 1 = In process; 2 = Approved; 3 = Backordered; 4 = Rejected; 5 = Shipped; 6 = Cancelled
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

  

Identity	
Identity	False

  

1 Extended Properties		
Name	Type	Value
ms_description	String	Order current status. 1 = In process; 2 = Approved; 3 = Backordered; 4 = Rejected; 5 = Shipped; 6 = Cancelled

## SubTotal

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	((0.00))
Description	Sales subtotal. Computed as SUM(SalesOrderDetail.LineTotal)for the appropriate SalesOrderID.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Sales subtotal. Computed as SUM(SalesOrderDetail.LineTotal)for the appropriate SalesOrderID.

## TaxAmt

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	
Data Type	money
Default Schema	
Default Value Or Binding	((0.00))
Description	Tax amount.
Primary Key	False
Is Columnset	False
Computed	False
Deterministic	False
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Tax amount.

## TotalDue

In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each column represents a field in the record. Each column can have a data type and default value assigned.

General Settings	
Allow Nulls	False
ANSI Padding Status	False
Collation	
Computed Text	(isnull(([SubTotal]+[TaxAmt])+[Freight],(0)))
Data Type	money
Default Schema	
Default Value Or Binding	
Description	Total due from customer. Computed as Subtotal + TaxAmt + Freight.
Primary Key	False
Is Columnset	False
Computed	True
Deterministic	True
Foreign Key	False
Full-Text Indexed	False
Is Hidden	False
IsSparse	False
Not For Replication	False

Identity	
Identity	False

1 Extended Properties		
Name	Type	Value
ms_description	String	Total due from customer. Computed as Subtotal + TaxAmt + Freight.

## Foreign Keys

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

---

### 3 Foreign Keys

Name	Enabled	Referenced Table Name
 FK_SalesOrderHeader_Address_BillTo_AddressID	True	Address
 FK_SalesOrderHeader_Address_ShipTo_AddressID	True	Address
 FK_SalesOrderHeader_Customer_CustomerID	True	Customer

## FK\_SalesOrderHeader\_Address\_BillTo\_AddressID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	SalesOrderHeader
Columns	BillToAddressID
Referenced Table Name	Address
Referenced Columns	AddressID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
MS_Description	String	Foreign key constraint referencing Address.AddressID for BillTo.

## FK\_SalesOrderHeader\_Address\_ShipTo\_AddressID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	SalesOrderHeader
Columns	ShipToAddressID
Referenced Table Name	Address
Referenced Columns	AddressID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
 MS_Description	String	Foreign key constraint referencing Address.AddressID for ShipTo.

## FK\_SalesOrderHeader\_Customer\_CustomerID

A foreign key (FK) is a column or combination of columns that is used to establish and enforce a link between the data in two tables to control the data that can be stored in the foreign key table.

### General Settings

Is Checked	True
Is Enabled	True
Not For Replication	False

### INSERT And UPDATE Specification

Parent Table Name	SalesOrderHeader
Columns	CustomerID
Referenced Table Name	Customer
Referenced Columns	CustomerID

### INSERT And UPDATE Specification

Delete Action	No Action
Update Action	No Action

### 1 Extended Properties

Name	Type	Value
MS_Description	String	Foreign key constraint referencing Customer.CustomerID.

## Triggers

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

---

### 1 Triggers

Name	Enabled	Execution Context
 uSalesOrderHeader	True	Caller

## uSalesOrderHeader

A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server.

### General Settings

Enabled	True
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
Description	AFTER UPDATE trigger that updates the RevisionNumber and ModifiedDate columns in the SalesOrderHeader table.
System Object	False
Execution Context	Caller

### Options

ANSI NULLs	True
Encrypted	False
Quoted Identifier	True

### 1 Extended Properties

Name	Type	Value
 ms_description	String	AFTER UPDATE trigger that updates the RevisionNumber and ModifiedDate columns in the SalesOrderHeader table.

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE TRIGGER [SalesLT].[uSalesOrderHeader] ON [SalesLT].[SalesOrderHeader]
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]) OR UPDATE([RevisionNumber]))
            BEGIN
                UPDATE [SalesLT].[SalesOrderHeader]
                SET [SalesLT].[SalesOrderHeader].[RevisionNumber] =
                    [SalesLT].[SalesOrderHeader].[RevisionNumber] + 1
                WHERE [SalesLT].[SalesOrderHeader].[SalesOrderID] IN
                    (SELECT inserted.[SalesOrderID] 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;
ALTER TABLE [SalesLT].[SalesOrderHeader] ENABLE TRIGGER [uSalesOrderHeader]
```

# User Defined Functions

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.

---

## 3 User Defined Functions

Name	Schema	Owner	Type
 ufnGetAllCategories	dbo	dbo	Table-Valued Function
 ufnGetCustomerInformation	dbo	dbo	Inline Function
 ufnGetSalesOrderStatusText	dbo	dbo	Scalar-Valued Function

## ufnGetAllCategories

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.

### General Settings

Function Type	Table-Valued Function
Schema	dbo
Owner	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
System Object	False
Description	Table value function returning every product category and its parent, if applicable.
Execution Context	Caller

### Options

ANSI NULLs	True
Encrypted	False
Quoted Identifier	True
Natively Compiled	False
Schema Bound	False

### Parameters

There are no parameters defined.

### 1 Extended Properties

Name	Type	Value
 ms_description	String	AdventureWorksLT 2012 Sample OLTP Database

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
-- DROP FUNCTION [dbo].[ufnGetAllCategories]

CREATE FUNCTION [dbo].[ufnGetAllCategories]()
RETURNS @retCategoryInformation TABLE
(
    -- Columns returned by the function
    [ParentProductCategoryName] [nvarchar](50) NULL,
    [ProductCategoryName] [nvarchar](50) NOT NULL,
    [ProductCategoryID] [int] NOT NULL
)
AS
-- Returns the CustomerID, first name, and last name for the specified customer.
BEGIN
    WITH CategoryCTE([ParentProductCategoryID], [ProductCategoryID], [Name]) AS
    (
        SELECT [ParentProductCategoryID], [ProductCategoryID], [Name]
        FROM SalesLT.ProductCategory
        WHERE ParentProductCategoryID IS NULL

        UNION ALL

        SELECT C.[ParentProductCategoryID], C.[ProductCategoryID], C.[Name]
        FROM SalesLT.ProductCategory AS C
        INNER JOIN CategoryCTE AS BC ON BC.ProductCategoryID = C.ParentProductCategoryID
    )

    INSERT INTO @retCategoryInformation
    SELECT PC.[Name] AS [ParentProductCategoryName], CTE.[Name] as [ProductCategoryName], CTE.
[ProductCategoryID]
    FROM CategoryCTE AS CTE
    JOIN SalesLT.ProductCategory AS PC
    ON PC.[ProductCategoryID] = CTE.[ParentProductCategoryID];
    RETURN;
END;
```

## ufnGetCustomerInformation

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.

### General Settings

Function Type	Inline Function
Schema	dbo
Owner	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	15/06/2020 20:30:02
System Object	False
Description	Table value function returning the customer ID, first name, and last name for a given customer.
Execution Context	Caller

### Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
Natively Compiled	False
Schema Bound	False

### 1 Parameters

Name	Data Type	Default Value
 @CustomerID	int	No Default

### 1 Extended Properties

Name	Type	Value
 ms_description	String	AdventureWorksLT 2012 Sample OLTP Database

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE FUNCTION [dbo].[ufnGetCustomerInformation](@CustomerID int)
RETURNS TABLE
AS
-- Returns the CustomerID, first name, and last name for the specified customer.
RETURN (
    SELECT
        CustomerID,
        FirstName,
        LastName
    FROM [SalesLT].[Customer]
    WHERE [CustomerID] = @CustomerID
);
```

## ufnGetSalesOrderStatusText

Like functions in programming languages, SQL Server user-defined functions are routines that accept parameters, perform an action, such as a complex calculation, and return the result of that action as a value. The return value can either be a single scalar value or a result set.

### General Settings

Function Type	Scalar-Valued Function
Schema	dbo
Owner	dbo
Date Created	04/03/2018 17:22:27
Date Last Modified	15/06/2020 20:30:02
System Object	False
Description	Scalar function returning the text representation of the Status column in the SalesOrderHeader table.
Execution Context	Caller

### Options

ANSI NULLS	True
Encrypted	False
Quoted Identifier	True
Natively Compiled	False
Schema Bound	False

### 1 Parameters

Name	Data Type	Default Value
 @Status	tinyint	No Default

### 1 Extended Properties

Name	Type	Value
 ms_description	String	AdventureWorksLT 2012 Sample OLTP Database

```
SET ANSI_NULLS ON
SET QUOTED_IDENTIFIER ON
CREATE 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;
```

# Views

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

---

 3 Views

Name	Schema	Owner
 vGetAllCategories	SalesLT	dbo
 vProductAndDescription	SalesLT	dbo
 vProductModelCatalogDescription	SalesLT	dbo

## vGetAllCategories

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

### General Settings

Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
System Object	False
Owner	dbo
Schema	SalesLT

### Options

ANSI NULLs	True
Encrypted	False
Quoted Identifier	True
Schema Bound	True

### 3 Columns

Name	Data Type	Allow Nulls
 ParentProductCategoryName	userdefineddatatype	False
 ProductCategoryID	int	True
 ProductCategoryName	userdefineddatatype	True

### Extended Properties

There are no extended properties defined for this object.

# vProductAndDescription

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

## General Settings

Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
System Object	False
Owner	dbo
Schema	SalesLT

## Options

ANSI NULLs	True
Encrypted	False
Quoted Identifier	True
Schema Bound	True

## 5 Columns

Name	Data Type	Allow Nulls
Culture	nchar(6)	False
Description	nvarchar(400)	False
Name	userdefineddatatype	False
ProductID	int	False
ProductModel	userdefineddatatype	False

## 1 Extended Properties

Name	Type	Value
MS_Description	String	Product names and descriptions. Product descriptions are provided in multiple languages.

## vProductModelCatalogDescription

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

### General Settings

Date Created	04/03/2018 17:22:27
Date Last Modified	04/03/2018 17:22:27
System Object	False
Owner	dbo
Schema	SalesLT

### Options

ANSI NULLs	True
Encrypted	False
Quoted Identifier	True
Schema Bound	False

### 25 Columns

Name	Data Type	Allow Nulls
BikeFrame	nvarchar(MAX)	True
Color	nvarchar(256)	True
Copyright	nvarchar(30)	True
Crankset	nvarchar(256)	True
MaintenanceDescription	nvarchar(256)	True
Manufacturer	nvarchar(MAX)	True
Material	nvarchar(256)	True
ModifiedDate	datetime	False
Name	userdefineddatatype	False
NoOfYears	nvarchar(256)	True
Pedal	nvarchar(256)	True
PictureAngle	nvarchar(256)	True
PictureSize	nvarchar(256)	True
ProductLine	nvarchar(256)	True
ProductModelID	int	False
ProductPhotoID	nvarchar(256)	True
ProductURL	nvarchar(256)	True
RiderExperience	nvarchar(1024)	True
rowguid	uniqueidentifier	False
Saddle	nvarchar(256)	True

☰ Style	nvarchar(256)	True
☰ Summary	nvarchar(MAX)	True
☰ WarrantyDescription	nvarchar(256)	True
☰ WarrantyPeriod	nvarchar(256)	True
☰ Wheel	nvarchar(256)	True

---

 1 Extended Properties

Name	Type	Value
 MS_Description	String	Displays the content from each element in the xml column CatalogDescription for each product in the Sales.ProductModel table that has catalog data.

# Version History

The version history displays the changes that have been made to the documentation of this item over time - either automatically when a change has been detected, or manually by users of the system.

 4 versions

Version	Username	Date	Time	Description
 1.03	DEMO2012R2\sysadmin	02 November 2020	12:12	Updated by XIA Configuration Client Data
 1.02	DEMO2012R2\sysadmin	02 November 2020	11:30	Added Primary Owner.
 1.01	DEMO2012R2\sysadmin	02 November 2020	10:42	Updated by XIA Configuration Client Data
 1.00	DEMO2012R2\sysadmin	02 November 2020	10:42	Item created.