# **CREATE TRIGGER (Transact-SQL)**

Applies to: 

SQL Server (all supported versions) 

Azure SQL Database 

Azure SQL Managed Instance

Creates a DML, DDL, or logon trigger, A trigger is a special type of stored procedure that automatically runs when an event occurs in the database server, DML triggers run when a user tries to modify data through a data manipulation language (DML) event. DML events are INSERT, UPDATE, or DELETE statements on a table or view. These triggers fire when any valid event fires, whether table rows are affected or not. For more information, see DML Triggers.

DDL triggers run in response to a variety of data definition language (DDL) events. These events primarily correspond to Transact-SQL CREATE, ALTER, and DROP statements, and certain system stored procedures that perform DDL-like operations.

Logon triggers fire in response to the LOGON event that's raised when a user's session is being established. You can create triggers directly from Transact-SQL statements or from methods of assemblies that are created in the Microsoft. NET Framework common language runtime (CLR) and uploaded to an instance of SQL Server. SQL Server leds you create multiple triggers for any specific statement.

Malicious code inside triggers can run under escalated privileges. For more information on how to mitigate this threat, see Manage Trigger Security

The integration of :NET Framework CLR into SQL Server is discussed in this article. CLR integration does not apply to Azure SQL Database

Transact-SQL syntax conventions

#### **SQL Server Syntax**

```
- SQL Server Syntax - Trigger on an INSERT, UPDATE, or DELETE statement to a table or view (DML Trigger)
CREATE [OR ALTER ] TRIGGER [ schema_name .]trigger_name
ON { table | view }
UITH =dnl_trigger_option> [ ....n ] ]
{FOR | AFTER | INSTRUO OF }
{[ INSERT | 1, | [ UPDATE ] [ , ] | DELETE ] }
[VITH APPEND |
INT FOR REPLICATION ]
AS { sql_statement [ ; ] [ ,...n ] | EXTERNAL NAME <method specifier [ ; ] > }
  <method_specifier> ::=
   assembly_name.class_name.method_name
```

```
syntaxsql
   -- SQL Server Syntax
-- Trigger on an INSERT, UPDATE, or DELETE statement to a
-- table (DML Trigger on memory-optimized tables)
   CREATE [ OR ALTER ] TRIGGER [ schema_name . ] trigger_name ON { table } [ WITH <dmi.trigger_option> [ ...n ] ] { FOR | AFTER } { [ INSERT ] [ ] | [ UDDATE ] [ , ] [ DELETE ] } AS { sq_statement [ ; ] [ ...n ] }
     <dml_trigger_option> ::=
  [ NATIVE_COMPILATION ]
  [ SCHEMABINDING ]
  [ EXECUTE AS Clause ]
```

```
syntaxsql
 -- Trigger on a CREATE, ALTER, DROP, GRANT, DENY,
-- REVOKE or UPDATE statement (DDL Trigger)
 CREATE [ OR ALTER ] TRIGGER trigger_name
ON { ALL SERVER | DATABASE }
| VIHH = Add_trigger_option | [,...n ]
| CFRN | AFTER } | (event_ype | event_group ) [ ,...n ]
| St | sql_tatement [; ] | ,...n ] | EXTERNAL NAME < method specifier > [; ] }
```

```
syntaxsql
  -- Trigger on a LOGON event (Logon Trigger)
  CREATE [ OR ALTER ] TRIGGER trigper_name
ON ALL SERVER
[ VIHH -loopn_trigger_option> [ ...n ] ]
[ FON] AFTER ] LOGON
XS { sq. statement { ; ] [ ,...n ] | EXTERNAL NAME < method specifier > [ ; ] }
```

### Azure SQL Database Syntax

```
-- Azure SQL Database Syntax
-- Trigger on an INSERT, UPDATE, or DELETE statement to a table or view (DML Trigger)
 CREATE [ OR ALTER ] TRIGGER [ schema_name . ] trigger_name
ON { table | view }
[ MITH dm] trinner cation.
ON { table | view }
[ wITH < dml_trigger_option> [ ,...n ] ]
{ FOR | AFTER | INSTEAD OF }
{ [ INSERT ] [ , ] [ UPDATE ] [ , ] [ DELETE ] }
AS { sql_statement [ ; ] [ ,...n ] [ ; ] > }
  <dml_trigger_option> ::=
    [ EXECUTE AS Clause ]
 -- Trigger on a CREATE, ALTER, DROP, GRANT, DENY,
-- REVOKE, or UPDATE STATISTICS statement (DDL Trigger)
 CREATE [ OR ALTER ] TRIGGER trigger_name
ON { DATABASE }
[ WITH ddd_trigger_option> [ ,...n ] ]
{ FOR | AFTER } { event_type | event_group } [ ,...n ]
AS { sql_statement [ ; ] [ ,...n ] [ ; ] }
   <ddl_trigger_option> ::=
    [ EXECUTE AS Clause ]
① Note
To view Transact-SQL syntax for SQL Server 2014 and earlier, see Previous versions documentation.
```

## Arguments

OR ALTER
Applies to: Azure SQL Database, SQL Server (starting with SQL Server 2016 (13.x) SP1).

Conditionally alters the trigger only if it already exists.

schema\_name
The name of the schema to which a DML trigger belongs. DML triggers are scoped to the schema of the table or view on which they're created. schema\_name can't be specified for DDL or logon triggers.

## CREATE TRIGGER (Transact-SQL) - SQL Server | Microsoft Learn

name of the trigger. A trigger\_name must follow the rules for identifiers, except that trigger\_name can't start with # or ##

The table or view on which the DML trigger runs. This table or view is sometimes referred to as the trigger table or trigger view. Specifying the fully qualified name of the table or view is optional. You can only reference a view by an INSTEAD OF trigger. You can't define DML triggers on local or global temporary table

Applies the scope of a DDL trigger to the current database. If specified, the trigger fires whenever event\_type or event\_group occurs in the current database

Applies the scope of a DDL or logon trigger to the current server. If specified, the trigger fires whenever event type or event group occurs anywhere in the current server

Applies to: SQL Server 2008 (10.0.x) and later.

Obscures the text of the CREATE TRIGGER statement. Using WITH ENCRYPTION prevents the trigger from being published as part of SQL Server replication. WITH ENCRYPTION can't be specified for CLR trigge

Specifies the security context under which the trigger is executed. Enables you to control which user account the instance of SQL Server uses to validate permissions on any database objects that are referenced by the trigger

This option is required for triggers on memory-optimized tables

For more information, seeEXECUTE AS Clause (Transact-SQL).

NATIVE\_COMPILATION

Indicates that the trigger is natively compiled.

This option is required for triggers on memory-optimized tal

SCHEMABINDING

es that tables referenced by a trigger can't be dropped or altered

This option is required for triggers on memory-optimized tables and isn't supported for triggers on traditional tables

You can't define AFTER triggers on views.

Specifies that the DML trigger launches instead of the triggering SQL statement, thus, overriding the actions of the triggering statements. You can't specify INSTEAD OF for DDL or logon triggers

At most, you can define one INSTEAD OF trigger per INSERT, UPDATE, or DELETE statement on a table or view. You can also define views on views where each view has its own INSTEAD OF trigger

You can't define INSTEAD OF triggers on updatable views that use WITH CHECK OPTION, Doing so results in an error when an INSTEAD OF trigger is added to an updatable view WITH CHECK OPTION specified. You remove that option by using ALTER VIEW before defining the INSTEAD OF trigger

fication statements that activate the DML trigger when it's tried against this table or view. Specify at least one option. Use any combination of these options in any order in the trigger definition.

For INSTEAD OF triggers, you can't use the DELETE option on tables that have a referential relationship, specifying a cascade action ON DELETE. Similarly, the UPDATE option isn't allowed on tables that have a referential relationship, specifying a cascade action ON UPDATE.

Applies to: SQL Server 2008 (10.0.x) through SQL Server 2008 R2 (10.50.x).

Specifies that an additional trigger of an existing type should be added. WITH APPEND can't be used with INSTEAD OF triggers or if an AFTER trigger is explicitly stated. For backward compatibility, only use WITH APPEND when FOR is specified, without INSTEAD OF or AFTER. You can't specify WITH APPEND and I support the specified of the specified (that is, if the trigger is a CLR trigger)

me of a Transact-SQL language event that, after launch, causes a DDL trigger to fire. Valid events for DDL triggers are listed in DDL Eve

The name of a predefined grouping of Transact-SQL language events. The DDL trigger fires after launch of any Transact-SQL language event that belongs to event group. Valid event groups for DDL triggers are listed in DDL Event Groups.

After the CREATE TRIGGER has finished running, event\_group also acts as a macro by adding the event types it covers to the sys.trigger\_events catalog view

NOT FOR REPLICATION

Applies to: SQL Server 2008 (10.0.x) and later

Indicates that the trigger shouldn't be run when a replication agent modifies the table that's involved in the trigger

The trigger conditions and actions. Trigger conditions specify additional criteria that determine whether the tried DML, DDL, or logon events cause the trigger actions to be run

The trigger actions specified in the Transact-SQL statements go into effect when the operation is tried

Triggers can include any number and type of Transact-SQL statements, with exceptions. For more information, see Remarks. A trigger is designed to check or change data based on a data modification or definition statement; it should't return data to the user. The Transact-SQL statements in a trigger frequently include control-of

DML triggers use the deleted and inserted logical (conceptual) tables. They're structurally similar to the table on which the trigger is defined, that is, the table on which the user action is tried. The deleted and inserted tables hold the old values or new values of the rows that may be changed by the user action. For example, to values in the deleted table, use

SELECT \* FROM deleted:

For more information, see Use the inserted and deleted Tables

DDL and logon triggers capture information about the triggering event by using the EVENTDATA (T

SQL Server allows the update of text, ntext, or image columns through the INSTEAD OF trigger on tables or views.

ntext, text, and image data types will be removed in a future version of Microsoft SQL Server. Avoid using these data types in new development work, and plan to modify applications that currently use them. Use nwarchar(max), varchar(max), and varbinary(max) instead. Both AFTER and INSTEAD OF triggers support varchar(MAX), nwarchar(MAX), and varbinary(MAX) data in the inserted and deleted tables.

For triggers on memory-optimized tables, the only sqt\_statement allowed at the top level is an ATOMIC block. The T-SQL allowed inside the ATOMIC block is limited by the T-SQL allowed inside native procs.

< method specifier > Applies to: SQL Server 2008 (10.0 x) and later

For a CLR trigger, specifies the method of an assembly to bind with the trigger. The method must take no arguments and return void. class\_name must be a valid SQL Server identifier and must exist as a class in the assembly with assembly visibility. If the class has a namespace-qualified name that uses "to separate namespace parts, the class name must be delimited by using [] or " " delimiters. The class can't be a nested class.

① Note

By default, the ability of SQL Server to run CLR code is off. You can create, modify, and drop database objects that reference managed code modules, but these references don't run in an instance of SQL Server unless the cir enabled Option is enabled by using sp\_configure

# Remarks for DML Triggers

DML triggers are frequently used for enforcing business rules and data integrify. SQL Server provides declarative referential integrity (DRI) through the ALTER TABLE and CREATE TABLE statements. However, DRI doesn't provide cross-database referential integrity, Referential integrity. Referential integrity refers to the rules about the relationships between primary and foreign keys of tables. To enforce referential integrity, use the PRIMARY KEY and FOREIGN KEY constraints in ALTER TABLE and CREATE TABLE. If constraints exist on the trigger table, they're checked after the INSTEAD OF trigger runs and before the AFTER trigger runs. If the constraints are violated, the INSTEAD OF trigger ctions are rolled back and the AFTER trigger isn't fired.

You can specify the first and last AFTER triggers to be run on a table by using sp\_settriggerorder. You can specify only one first and one last AFTER trigger for each INSERT, UPDATE, and DELETE operation on a table. If there are other AFTER triggers on the same table, they're randomly run

If an ALTER TRIGGER statement changes a first or last trigger, the first or last attribute set on the modified trigger is dropped, and you must reset the order value by using sp\_settriggerorder.

An AFTER trigger is run only after the triggering SQL statement has run successfully. This successful execution includes all referential cascade actions and constraint checks associated with the object updated or deleted. An AFTER does not recursively fire an INSTEAD OF trigger on the same table

If an INSTEAD OF trigger defined on a table runs a statement against the table that would ordinarily fire the INSTEAD OF trigger again, the trigger executions. For example, it trigger is defined as an INSTEAD OF INSERT trigger for a table. And, the trigger runs an INSERT statement on the same table, the INSERT statement launched by the INSTEAD OF trigger doesn't call the trigger again. The INSERT launched by the trigger starts the process of running constraint actions and firing any AFTER INSERT triggers defined for the table.

When an INSTEAD OF trigger defined on a view runs a statement against the view that would ordinarily fire the INSTEAD OF trigger again, it's not called recursively. Instead, the statement is resolved as modifications against the base tables underlying the view. In this case, the view definition must

For example, if a trigger is defined as an INSTEAD OF UPDATE trigger for a view, And, the trigger runs an UPDATE statement referencing the same view, the UPDATE statement launched by the INSTEAD OF trigger doesn't call the trigger again. The UPDATE launched by the trigger is processed against the view as if the view as if the view didn't have at resolved to a single base table. Each modification to an underlying base table starts the chain of applying constraints and firing AFTER triggers defined for the tal

## Testing for UPDATE or INSERT Actions to Specific Columns

You can design a Transact-SQL trigger to do certain actions based on UPDATE or INSERT modifications to specific columns. Use UPDATE or INSERT actions that run on multiple columns. This function returns a bit pattern that indicates which columns were inserted or updated

## **Trigger Limitations**

CREATE TRIGGER must be the first statement in the batch and can apply to only one table.

A trigger is created only in the current database; however, a trigger can reference objects outside the current database

If the trigger schema name is specified to qualify the trigger, qualify the table name in the same wa

The same trigger action can be defined for more than one user action (for example, INSERT and UPDATE) in the same CREATE TRIGGER statement

INSTEAD OF DELETE/UPDATE triggers can't be defined on a table that has a foreign key with a cascade on DELETE/UPDATE action defined.

Any SET statement can be specified inside a trigger. The SET option selected remains in effect during the execution of the trigger and then reverts to its former setting

When a trigger fires, results are returned to the calling application, just like with stored procedures. To prevent results being returned to an application because of a trigger firing, don't include either SELECT statements that return results or statements that carry out variable assignment in a trigger. A trigger that includes either SELECT statements that return results to the user or statements that do variable assignment, requires special handling. You'd have to write the returned results into every application in which modifications to the trigger table are allowed. If variable assignment must occur in a trigger, use a SET NOCOUNT statement at the start of the trigger to prevent the return of any result sets.

Although a TRUNCATE TABLE statement is in effect a DELETE statement, it doesn't activate a trigger because the operation doesn't log individual row deletions. However, only those users with permissions to run a TRUNCATE TABLE statement need be concerned about inadvertently circumventing a DELETE trigger this way

The WRITETEXT statement, whether logged or unlogged, doesn't activate a trigger

The following Transact-SQL statements aren't allowed in a DML trigger

- ALTER DATABASE
- CREATE DATABASE
- DROP DATABASE

- RECONFIGURE

Additionally, the following Transact-SQL statements aren't allowed inside the body of a DML trigger when it's used against the table or view that's the target of the triggering action

- CREATE INDEX (including CREATE SPATIAL INDEX and CREATE XML INDEX)
- ALTER INDEX
- DROP INDEX

- ALTER PARTITION FUNCTION
- · ALTER TABLE when used to do the following:

- Add, modify, or drop columns.
  Switch partitions.
  Add or drop PRIMARY KEY or UNIQUE constraints.

Because SQL Server does not support user-defined triggers on system tables, we recommend that you do not create user-defined triggers on system tables

#### Optimizing DML Triggers

Triggers work in transactions (implied or otherwise) and while they're open, they lock resources. The lock remains in place until the transaction is confirmed (with COMMIT) or rejected (with a ROLLBACK). The longer a trigger runs, the higher the probability that another process is then blocked. So, write triggers to lessen their duration whenever possible. One way to achieve shorter duration is to release a trigger when a DML statement changes zero rows.

To release the trigger for a command that doesn't change any rows, employ the system variable ROWCOUNT\_BIG.

The following T-SQL code snippet shows how to release the trigger for a command that doesn't change any rows. This code should be present at the beginning of each DML trigger

SQL

IF (ROWCOUNT\_BIG() = 0)
RETURN:

## Remarks for DDL Triggers

DDL triggers, like standard triggers, launch stored procedures in response to an event. But, unlike standard triggers, they don't run in response to UPD DROP, GRANT, DENY, REVOKE, and UPDATE STATISTICS. Certain system stored procedures that carry out DDL-like operations can also fire DDL triggers ise to UPDATE, INSERT, or DELETE statements on a table or view. Instead, they primarily run in response to data definition

① Important

Test your DDL triggers to determine their responses to system stored procedure execution. For example, the CREATE TYPE statement and the sp\_addtype and sp\_rename stored procedures fire a DDL trigger that's created on a CREATE\_TYPE even

For more information about DDL triggers, see DDL Triggers

DDL triggers don't fire in response to events that affect local or global temporary tables and stored procedures

Unlike DML triggers, DDL triggers aren't scoped to schemas. So, you can't use functions such as OBJECT\_ID, OBJECT\_NAME, OBJECTPROPERTYX and OBJECTPROPERTYEX for querying metadata about DDL triggers. Use the catalog views instead. For more information, see Get Information, about DDL Triggers.

① Note

Server-scoped DDL triggers appear in the SQL Server Management Studio Object Explorer in the Triggers folder. This folder is located under the Programmability folder of the corresponding database

## Logon Triggers

ed procedures in response to a LOGON event. This event happens when a user session is established with an instance of SQL Server, Logon triggers fire after the authentication phase of logging in finishes, but before the user session is established. So, all messages originating inside the trigger that would as error messages and messages from the PRINT statement, are diverted to the SQL Server error log. For more information, see Logon Triggers.

Logon triggers don't fire if authentication fails.

Distributed transactions aren't supported in a logon trigger. Error 3969 returns when a logon trigger that contains a distributed transaction fire

## Disabling a Logon Trigger

A logon trigger can effectively prevent successful connections to the Database Engine for all users, including members of the sysadmin fixed server role. When a logon trigger is preventing connections, members of the sysadmin fixed server role can connect by using the dedicated administrator connection, or by starting the Database Engine in minimal configuration mode (-f). For more information, see Database Engine Service Startup Option

#### **General Trigger Considerations**

### **Returning Results**

The ability to return results from triggers will be removed in a future version of SQL Server. Triggers that return result sets may cause unexpected behavior in applications that aren't designed to work with them. Avoid returning result sets from triggers in new development work, and plan to modify applications that currently do. To nt triggers from returning result sets, set the disalle

Logon triggers always disallow the return of results sets and this behavior isn't configurable. If a logon trigger generates a result set, the trigger fails to launch and the login attempt that fired the trigger is denied

#### Multiple Triggers

SQL Server lets you create multiple triggers for each DML, DDL, or LOGON event. For example, if CREATE TRIGGER FOR UPDATE is run for a table that already has an UPDATE trigger, an additional update trigger is created. In earlier versions of SQL Server, only one trigger for each INSERT, UPDATE, or DELETE data modification event is

## **Recursive Triggers**

SQL Server also supports recursive invocation of triggers when the RECURSIVE\_TRIGGERS setting is enabled using ALTER DATABASE

Recursive triggers enable the following types of recursion to occur:

With indirect recursion, an application updates table T1. This fires trigger TR1, updating table T2. Trigger T2 then fires and updates table T1.

In direct recursion, the application updates table T1. This fires trigger TR1, updating table T1. Because table T1 was updated, trigger TR1 fires again, and so on.

The following example uses both indirect and direct trigger recursion Assume that two update triggers, TR1 and TR2, are defined on table T1. Trigger TR1 updates table T1 recursively. An UPDATE statement runs each TR1 and TR2 one time. Additionally, the launch of TR1 triggers the execution of TR1 (recursively) and TR2. The in and deleted tables for a specific trigger contain rows that correspond only to the UPDATE statement that invoked the trigger

① Note

The previous behavior occurs only if the RECURSIVE\_TRIGGERS setting is enabled by using ALTER DATABASE. There's no defined order in which multiple triggers defined for a specific event are run. Each trigger should be self-contained

Disabling the RECURSIVE\_TRIGGERS setting only prevents direct recursions. To disable indirect recursion also, set the nested triggers server option to 0 by using sp\_configure

If any one of the triggers carries out a ROLLBACK TRANSACTION, regardless of the nesting level, no more triggers are run

## **Nested Triggers**

You can nest triggers to a maximum of 32 levels. If a trigger changes a table on which there's another trigger, the second trigger activates and can then call a third trigger, and so on. If any trigger in the chain sets off an infinite loop, the nesting level is exceeded and the trigger is canceled. When a Transact-SQL trigger launches managed code by referencing a CLR routine, type, or aggregate, this reference counts as one level against the 32-level nesting limit. Methods invoked from within managed code don't count against this limit.

To disable nested triggers, set the nested triggers option of sp. configure to 0 (off). The default configuration supports nested triggers. If nested triggers are off, recursive triggers are also disabled, despite the RECURSIVE\_TRIGGERS setting that's set by using ALTER DATABASE.

The first AFTER trigger nested inside an INSTEAD OF trigger fires even if the nested triggers server configuration option is 0. But, under this setting, the later AFTER triggers don't fire. Review your applications for nested triggers to determine if the applications follow your business rules when the nested triggers server configuration option is set to 0. If not, make the appropriate modifications.

#### Deferred Name Resolution

SQL Server allows for Transact-SQL stored procedures, triggers, and batches to refer to tables that don't exist at compile time. This ability is called deferred name resolution.

#### Permissions

To create a DML trigger, it requires ALTER permission on the table or view on which the trigger is being created.

To create a DDL trigger with server scope (ON ALL SERVER) or a logon trigger, requires CONTROL SERVER permission on the server. To create a DDL trigger with database scope (ON DATABASE), requires ALTER ANY DATABASE DDL TRIGGER permission in the current database.

#### **Examples**

## A. Using a DML trigger with a reminder message

The following DML trigger prints a message to the client when anyone tries to add or change data in the Customer table in the AdventureWorks2019 database

```
SQL

CREATE TRIGGER reminder1

ON Sales.Customer
ATTER INSERT, UPDATE
AS RAISERROR ('Notify Customer Relations', 16, 10);

GO
```

#### B. Using a DML trigger with a reminder e-mail message

The following example sends an e-mail message to a specified person (MaryM) when the Customer table changes.

#### C. Using a DML AFTER trigger to enforce a business rule between the PurchaseOrderHeader and Vendor tables

Because CHECK constraints reference only the columns on which the column-level or table-level constraint is defined, you must define any cross-table constraints (in this case, business rules) as triggers.

The following example creates a DML trigger in the AdventureWorks2012 database. This trigger checks to make sure the credit rating for the vendor is good (not 5) when there's an attempt to insert a new purchase order into the PurchasedreferReader table. To get the credit rating of the vendor, the Wendor, table must be referenced. It the credit rating is too low, a message appears and the insertion doesn't happen.

```
USE AdventureWorks2012;

USE AdventureWorks2012;

USE ADVENTURED Processing.Lockredit ("TR") IS NOT NULL

USED PRIZED PRIZED PROCESSING.LOCKRED

USED PRIZED P
```

#### D. Using a database-scoped DDL trigger

The following example uses a DDL trigger to prevent any synonym in a database from being dropped.

```
CREATE TRIGGER safety
ON DATABASE
ON DOMESTINGTH

If (GROWCOUNIT = 0)
RETURN;
RAISERROR ('You must disable Trigger "safety" to remove symonyms!', 10, 1)
ROLLBACK
OF
OND TRIGGER safety
ON DATABASE;
OF
```

# E. Using a server-scoped DDL trigger

The following example uses a DDL trigger to print a message if any CREATE DATABASE event occurs on the current server instance, and uses the EVENTDATA function to retrieve the text of the corresponding Transact-SQL statement. For more examples that use EVENTDATA in DDL triggers, see Use the EVENTDATA function.

Applies to: SQL Server 2008 (10.0.x) and later

# F. Using a logon trigger

The following logon trigger example denies an attempt to log in to SQL Server as a member of the login\_test login if there are already three user sessions running under that login

Applies to: SQL Server 2008 (10.0.x) and later

```
SQL
                  USE master;
G0
CREATE LOGIN login_test WITH PASSWORD = '3KHJ6dhx(0xVYsdf' MUST_CHWGE, CHECK_EXPIRATION = 0N;
            ORACE COURT USBIT CONTROL TO THE STATE OF TH
```

## G. Viewing the events that cause a trigger to fire

The following example queries the sys.triggers and sys.trigger\_events\_catalog views to determine which Transact-SQL language events cause trigger safety to fire. The trigger, safety, is created in example 'D', found above.

```
SQL
  SELECT TE.*
FROM sys.trigger_events AS TE
JOIN sys.triggers AS T ON T.object_id = TE.object_id
WHERE T.parent_class = 0 AND T.name = 'safety';
G0
```

#### See Also

See Also

ALTER TRIBLE (Transact-SQL)

ALTER TRIBLE (Transact-SQL)

COLUMNS\_UPDATED (Transact-SQL)

CREATE TABLE (Transact-SQL)

DROP TRIGGER (Transact-SQL)

ENABLE TRIGGER (Transact-SQL)

ENABLE TRIGGER (Transact-SQL)

DISABLE TRIGGER (Transact-SQL)

Sys.dm., sql, referenced, entities (Transact-SQL)

sys.dm., sql, referenced, entites (Transact-SQL)

sp., sql, person, dependences (Transact-SQL)

sp., beltringer (Transact-SQL)

sp., settinggerotte, dependences (Transact-SQL)

UPDATED (Transact-SQL)

UPDATED (Transact-SQL)

sp. tringger (Transact-SQL)

sys.tringger (Transact-SQL)

sys.tringger (Transact-SQL) systrigge\_exent(Transact-SQL)
sys.trigge\_exent(Transact-SQL)
sys.trigge\_exent(Transact-SQL)
sys.asembly\_modules (Transact-SQL)
sys.asemet.trigges (Transact-SQL)
sys.asemet.trigges\_exents\_(Transact-SQL)
sys.asemet.sqL
sys.asemet.sqL