



SQL Server Triggers

SQL Server triggers are special [stored procedures](https://www.sqlservertutorial.net/sql-server-stored-procedures/) that are executed automatically in response to the database object, database, and server events. SQL Server provides three type of triggers:

Data manipulation language (DML) triggers which are invoked automatically in response to [INSERT](https://www.sqlservertutorial.net/sql-server-basics/sql-server-insert/) (<https://www.sqlservertutorial.net/sql-server-basics/sql-server-insert/>) , [UPDATE](https://www.sqlservertutorial.net/sql-server-basics/sql-server-update/) (<https://www.sqlservertutorial.net/sql-server-basics/sql-server-update/>) , and [DELETE](https://www.sqlservertutorial.net/sql-server-basics/sql-server-delete/) (<https://www.sqlservertutorial.net/sql-server-basics/sql-server-delete/>) events against tables.

Data definition language (DDL) triggers which fire in response to [CREATE](https://www.sqlservertutorial.net/sql-server-basics/sql-server-create-table/) (<https://www.sqlservertutorial.net/sql-server-basics/sql-server-create-table/>) , [ALTER](https://www.sqlservertutorial.net/sql-server-basics/sql-server-drop-table/) , and [DROP](https://www.sqlservertutorial.net/sql-server-basics/sql-server-drop-table/) (<https://www.sqlservertutorial.net/sql-server-basics/sql-server-drop-table/>) statements. [DDL triggers](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-ddl-trigger/) (<https://www.sqlservertutorial.net/sql-server-triggers/sql-server-ddl-trigger/>) also fire in response to some system stored procedures that perform DDL-like operations.

Logon triggers which fire in response to LOGON events

In this section, you will learn how to effectively use triggers in SQL Server.

[Creating a trigger in SQL Server](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-create-trigger/) (<https://www.sqlservertutorial.net/sql-server-triggers/sql-server-create-trigger/>) – show you how to create a trigger in response to insert and delete events.

[Creating an INSTEAD OF trigger](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-instead-of-trigger/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-instead-of-trigger/) – learn about the INSTEAD OF trigger and its practical applications.

[Creating a DDL trigger](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-ddl-trigger/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-ddl-trigger/) – learn how to create a DDL trigger to monitor the changes made to the structures of database objects such as tables, views, and indexes.

[Disabling triggers](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-disable-trigger/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-disable-trigger/) – learn how to disable a trigger of a table temporarily so that it does not fire when associated events occur.

[Enabling triggers](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-enable-trigger/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-enable-trigger/) – show you how to enable a trigger.

[Viewing the definition of a trigger](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-view-trigger-definition/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-view-trigger-definition/) – provide you with various ways to view the definition of a trigger.

[Listing all triggers in SQL Server](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-list-all-triggers/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-list-all-triggers/) – show you how to list all triggers in a SQL Server by querying data from the sys.triggers view.

[Removing triggers](https://www.sqlservertutorial.net/sql-server-triggers/sql-server-drop-trigger/) (https://www.sqlservertutorial.net/sql-server-triggers/sql-server-drop-trigger/) – guide you how to drop one or more existing trigger.