T-SQL Triggers

www.tsql.info

In this chapter you can learn how to work with triggers using operations like create, alter, rename, drop, enable, disable.

Trigger operations

- Create Trigger
- Alter Trigger
- Rename Trigger
- Drop Trigger
- Enable Trigger
- Disable Trigger

Create Trigger

Create Trigger Syntax

DML Trigger

CREATE TRIGGER trig_name
ON { table_name | view_name }
{ FOR | AFTER | INSTEAD OF }
{ [ INSERT ] [ , ] [ UPDATE ] [ , ] [ DELETE ] }
AS { sql_statement [ ; ] }
GO

DDL Trigger

CREATE TRIGGER trig_name
ON { ALL SERVER | DATABASE }
{ FOR | AFTER }
{ CREATE, ALTER, DROP, GRANT, DENY, REVOKE, UPDATE STATISTICS }
AS { sql_statement [ ; ] }
GO
**Logon Trigger**

CREATE TRIGGER trig_name
ON ALL SERVER
{ FOR | AFTER }
LOGON
AS { sql_statement [ ; ] }
GO

**Alter Trigger**

**Alter Trigger Syntax**

**DML Trigger**

ALTER TRIGGER trig_name
ON { table_name | view_name }
{ FOR | AFTER | INSTEAD OF }
{ [ INSERT ] [ , ] [ UPDATE ] [ , ] [ DELETE ] }
AS { sql_statement [ ; ] }
GO

**DDL Trigger**

ALTER TRIGGER trig_name
ON { ALL SERVER | DATABASE }
{ FOR | AFTER }
{ CREATE, ALTER, DROP, GRANT, DENY, REVOKE, UPDATE STATISTICS }
AS { sql_statement [ ; ] }
GO

**Logon Trigger**

ALTER TRIGGER trig_name
ON ALL SERVER
{ FOR | AFTER }
LOGON
AS { sql_statement [ ; ] }
GO
**Rename Trigger**

**Rename Trigger Syntax**

```
sp_rename 'Old_Trigger_Name', 'New_Trigger_Name';
```

**Rename Trigger Example**

```
CREATE TRIGGER Customers_Op
ON Customers
AFTER UPDATE
AS
UPDATE Customers
SET address = UPPER('ADDRESS_5')
WHERE customer_id = 5
GO

sp_rename 'Customers_Op', 'NewCustomers_Op';
```

**Drop Trigger**

**Drop Trigger Syntax**

```
DROP TRIGGER trigger_name;
```

**Drop Trigger Example**

```
CREATE TRIGGER Customers_Op
ON Customers
AFTER UPDATE
AS
UPDATE Customers
SET address = UPPER('ADDRESS_5')
WHERE customer_id = 5
```

DROP TRIGGER Customers_Op;

Enable Trigger

Enable Trigger Syntax

ENABLE TRIGGER { [ schema_name . ] trigger_name [ ,...n_trigger_name ] | ALL } ON { table_name | DATABASE | ALL SERVER } [ ; ]

Enable Trigger Example 1

ALTER TABLE Customers ENABLE TRIGGER ALL;

Enable Trigger Example 2

ENABLE Trigger master.Customers_Op ON master.Customers ;

Disable Trigger

Disable Trigger Syntax

ALTER TABLE table_name DISABLE TRIGGER ALL;
DISABLE Trigger master.trigger_name ON master.table_name ;
DISABLE Trigger ALL ON ALL SERVER;

Disable Trigger Example

ALTER TABLE Customers DISABLE TRIGGER ALL;
DISABLE Trigger system.Customers(Op ON system.Customers ;
DISABLE Trigger ALL ON ALL SERVER;

Resources:

www.tsq1.info/triggers/triggers.php