# Transactions (Transact-SQL)

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#### In this article

In This Section

See Also

Applies to: SQL Server (all supported versions) Azure SQL Database Azure SQL Managed Instance Azure Synapse Analytics Parallel Data Warehouse

A transaction is a single unit of work. If a transaction is successful, all of the data modifications made during the transaction are committed and become a permanent part of the database. If a transaction encounters errors and must be canceled or rolled back, then all of the data modifications are erased.

SQL Server operates in the following transaction modes:

Autocommit transactions

Each individual statement is a transaction.

**Explicit transactions** 

Each transaction is explicitly started with the BEGIN TRANSACTION statement and explicitly ended with a COMMIT or ROLLBACK statement.

Implicit transactions

A new transaction is implicitly started when the prior transaction completes, but each transaction is explicitly completed with a COMMIT or ROLLBACK statement.

Batch-scoped transactions

Applicable only to multiple active result sets (MARS), a Transact-SQL explicit or implicit transaction that starts under a MARS

session becomes a batch-scoped transaction. A batch-scoped transaction that is not committed or rolled back when a batch completes is automatically rolled back by SQL Server.

① Note

For special considerations related to Data Warehouse products, see Transactions (Azure Synapse Analytics).

# In This Section

SQL Server provides the following transaction statements:

**BEGIN DISTRIBUTED TRANSACTION** 

**ROLLBACK TRANSACTION** 

**BEGIN TRANSACTION** 

**ROLLBACK WORK** 

**COMMIT TRANSACTION** 

**SAVE TRANSACTION** 

**COMMIT WORK** 

# See Also

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