

Supported SQL statements

This section lists the SQL statements supported in the Cameo Data Modeler plugin. They are parsed and mapped into model constructs.

The following table provides SQL2 SQL schema statements and their support status in the Cameo Data Modeler plugin. **Yes** indicates that a statement can be generated into a DDL script from model constructs and reverse engineered from a script into model constructs.

SQL schema statement	Supported	(Yes/No)
SQL schema definition statement	Schema definition	Yes
	Table definition	Yes
	View definition	Yes
	Alter table statement	Yes
	Grant statement	No
	Domain definition	No
	Assertion definition	No
	Character set definition	No
	Collation definition	No
	Translation definition	No
SQL schema manipulation statement	Drop table statement	Yes
	Drop view statement	Yes
	Revoke statement	No
	Alter domain statement	No
	Drop assertion statement	No
	Drop domain statement	No
	Drop character set statement	No
	Drop collation statement	No
	Drop translation statement	No

Some SQL schema statements (e.g. schema definition, table definition) allow implicit catalog names and unqualified schema names. In addition to SQL schema statements, the following SQL session statements must be supported:

- Set catalog statement - sets the current default catalog name.
- Set schema statement - sets the current default unqualified schema name.

Cameo Data Modeler supports the following widely used dialect statements that are not part of SQL2:

- Database definition statement (CREATE DATABASE) that creates a database
- Index statements (CREATE INDEX, DROP INDEX) that create or remove an index on a table
- Trigger statements (CREATE TRIGGER, DROP TRIGGER) that create or remove trigger(s) on a table

The following table provides details on mapping on the supported SQL schema manipulation statements into SQL constructs.

DDL Statement or Concept	Action, model item	Description	Visible
Alter table statement	Modify class	Elements: table name and alter table action. Alter table action – one of: add column, add table constraint, alter column, drop table constraint, drop column.	Yes
Add column definition	Define attribute	Elements: column definition.	Yes
Add table constraint definition	Define method	Elements: table constraint definition.	Yes
Alter column definition	Modify attribute	Elements: mandatory column name, default clause (for add default statement only).	Yes
Drop table constraint definition	Delete method	Elements: constraint name, drop behavior	Yes

Drop column definition	Delete attribute	Elements: column name, drop behavior	Yes
Drop schema statement	Delete package	Elements: schema name, drop behavior	Yes
Drop table statement	Delete class	Elements: table name, drop behavior	Yes
Drop view statement	Delete class	Elements: table name, drop behavior	Yes
Drop behavior	Action property	Modifiers: CASCADE, RESTRICT	No