

Oracle Objects	Resulting SQL Server Objects
Functions	<p>If the function can be directly converted to Transact-SQL, SSMA creates a function.</p> <p>In some cases, the function must be converted to a stored procedure. In this case, SSMA creates a stored procedure and a function that calls the stored procedure.</p>
Procedures	<p>If the procedure can be directly converted to Transact-SQL, SSMA creates a stored procedure.</p> <p>In some cases a stored procedure must be called in an autonomous transaction. In this case, SSMA creates two stored procedures: one that implements the procedure, and another that is used for calling the implementing stored procedure.</p>
Packages	SSMA creates a set of stored procedures and functions that are unified by similar object names.
Sequences	SSMA creates sequence objects (SQL Server 2012 or SQL Server 2014) or emulates Oracle sequences.
Tables with dependent objects such as indexes and triggers	SSMA creates tables with dependent objects.
View with dependent objects, such as triggers	SSMA creates views with dependent objects.
Materialized Views	<p>SSMA creates indexed views on SQL server with some exceptions. Conversion will fail if the materialized view includes one or more of the following constructs:</p> <p>User-defined function</p> <p>Non deterministic field / function / expression in SELECT, WHERE or GROUP BY clauses</p> <p>Usage of Float column in SELECT*, WHERE or GROUP BY clauses (special case of previous issue)</p> <p>Custom data type (incl. nested tables)</p> <p>COUNT(distinct <field>)</p> <p>FETCH</p> <p>OUTER joins (LEFT, RIGHT, or FULL)</p> <p>Subquery, other view</p> <p>OVER, RANK, LEAD, LOG</p> <p>MIN, MAX</p> <p>UNION, MINUS, INTERSECT</p> <p>HAVING</p>

Trigger	<p>SSMA creates triggers based on the following rules:</p> <p>BEFORE triggers are converted to INSTEAD OF triggers.</p> <p>AFTER triggers are converted to AFTER triggers.</p> <p>INSTEAD OF triggers are converted to INSTEAD OF triggers. Multiple INSTEAD OF triggers defined on the same operation are combined into one trigger.</p> <p>Row-level triggers are emulated using cursors.</p> <p>Cascading triggers are converted into multiple individual triggers.</p>
Synonyms	<p>Synonyms are created for the following object types:</p> <p>Tables and object tables Views and object views Stored procedures Functions</p> <p>Synonyms for the following objects are resolved and replaced by direct object references:</p> <p>Sequences</p> <p>Packages</p> <p>Java class schema objects</p> <p>User-defined object types Synonyms for another synonym cannot be migrated and will be marked as errors.</p> <p>Synonyms are not created for Materialized views.</p>
User Defined Types	<p>SSMA does not provide support for conversion of user defined types. User Defined Types, including its usage in PL/SQL programs are marked with special conversion errors guided by the following rules:</p> <p>Table column of a user defined type is converted to VARCHAR(8000).</p> <p>Argument of user defined type to a stored procedure or function is converted to VARCHAR(8000).</p> <p>Variable of user defined type in PL/SQL block is converted to VARCHAR(8000).</p> <p>Object Table is converted to a Standard table. Object view is converted to a Standard view.</p>