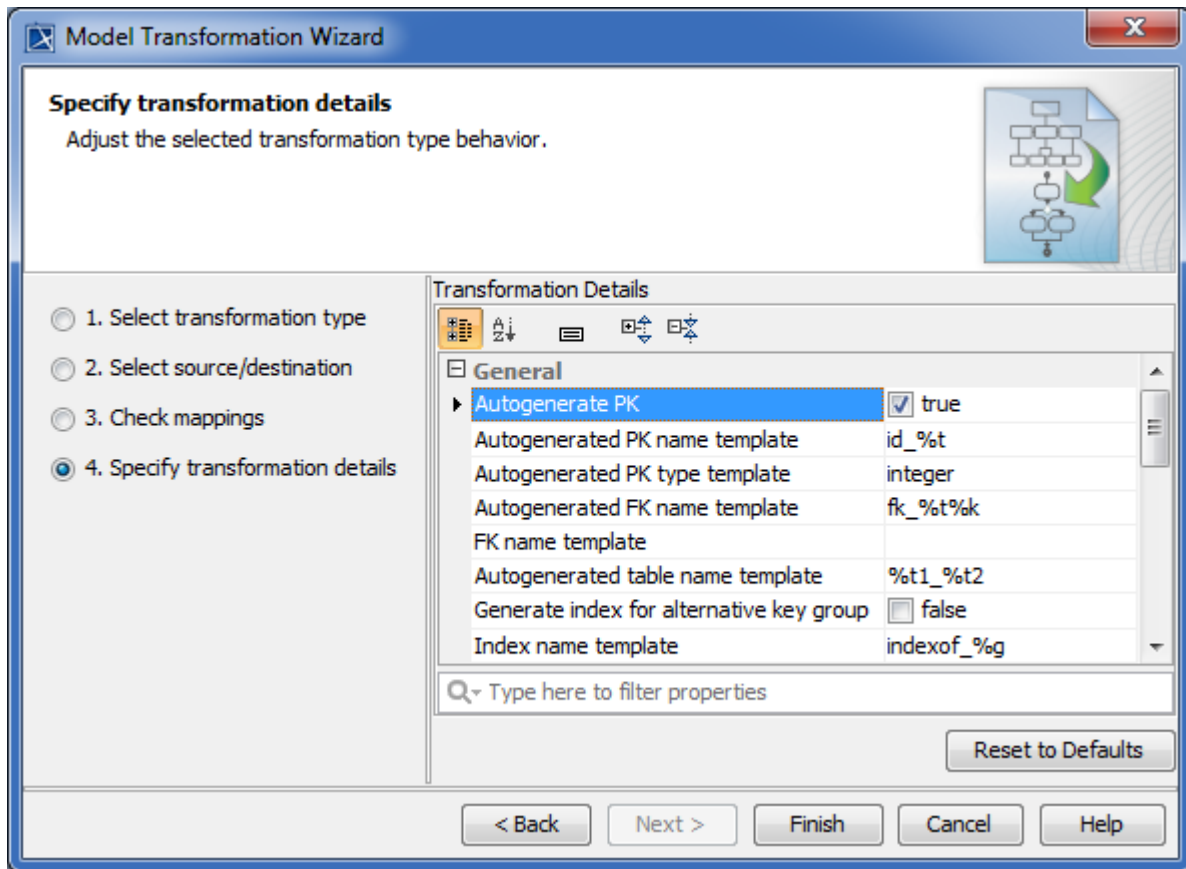


# Transformation properties

This is the complete list of properties available in UML to SQL(Generic / Oracle) transformation in the **Model Transformation Wizard** (For more information about this wizard, see [Model Transformation Wizard](#) in MagicDraw User Guide).



Model transformation wizard for UML to SQL (Generic/Oracle) transformation with Specify transformation details wizard step.

Property name	Description
<b>Autogenerated PK name template</b>	If the class has no PK column in the ER model, this transformation parameter for the autogenerated column name will generate the PK. You may specify the pattern for the PK name. Default "id_%t", where %t is replaced by the name of the table.
<b>Autogenerated PK type template</b>	Specifies the type of the autogenerated PKs. Default: integer.
<b>Autogenerated FK name template</b>	The foreign keys are automatically generated to implement the relationships between classes.  This transformation parameter autogenerates a FK name. You may specify the pattern for the name. Default: "fk_%t%k%", where %t is replaced by the name of the table, the foreign key is pointing. The %k is replaced by the key name, to which this foreign key points. The %r is replaced by the name of the relationship, which is realized with this foreign key.
<b>Autogenerated table name template</b>	This transformation parameter autogenerates table name. You may specify the pattern for the name. Default "%t1_%t2", where %t1 is replaced by the name of the first table, %t2 - second table. The %r pattern (name of relationship) is also supported.
<b>Generated index for alternative keys</b>	If <i>true</i> , generates index for «AK».  Default: false
<b>Index name template</b>	If the above option is set to <i>true</i> , you may choose the template for the index name. Template may contain %g pattern, which will be replaced with AK group name. Default: indexof_%g

<b>Change package hierarchy</b>	Choose option for packages from transformation source: to strip all the package hierarchy, or flatten the package hierarchy down to the first level where each package is transformed into the schema. Default: Flatten packages
<b>Treat composition relationship as identifying</b>	If this option is set to <i>true</i> , the composition associations are treated as if the «identifying» stereotype were applied to them. Default: true
<b>Default association end multiplicity</b>	If multiplicity was not specified in model, defined multiplicity will be set after transformation. Default: 1
<b>Generalization Tree transformation strategy</b>	Selects the strategy to be used for converting generalization trees. Default: Multiple Values, Decomposed Object
<b>Selector Column Name</b>	Name of selector column for the merged table strategy of generalization conversion  Default: typeSelector Note: together with selector type and type modifier this gives typeSelector:char(255) column.
<b>Selector Column Type</b>	Type of the selector column for the merged table strategy of generalization conversion. Default: char
<b>Selector Column Type Modifier</b>	Type modifier of the selector column for the merged table strategy of generalization conversion Default: 255
<b>Max Duplicated Columns</b>	Threshold for multivalue property conversion strategies - maximum number of columns for which the column duplication strategy is used. If exceeded, auxiliary value table is used. Default:3
<b>Value Table Name</b>	Name of the value table (to be generated when converting multivalue properties). %t pattern is expanded to table name, %r - name of the original property.  Default: %t_%r_VALUES  (e.g Person_phone_VALUES table will be generated for Person::phone[0..5] property in the source)
<b>Autogenerate Sequences*</b>	Selects wherever and when sequences are generated for PKs Default: Generate sequences for all single-column PKs
<b>Autogenerated Sequence Name*</b>	Name of the generated sequences. %t pattern is expanded to table name. Default: %t_SEQ
<b>Autogenerate PK</b>	If <i>true</i> , primary keys are generated automatically.  For more information, see <a href="#">Primary keys autogeneration</a> .
<b>Enumeration transformation strategy</b>	For more information, see <a href="#">Conversion of enumerations</a> .
<b>Expand datatypes</b>	For more information, see <a href="#">Conversion of DataTypes</a> .
<b>Expanded datatype column name template</b>	For more information, see <a href="#">Conversion of DataTypes</a> .
<b>Name conversion rules</b>	One or more rules for element name conversion.  For more information, see <a href="#">Naming of transformed elements</a> .
<b>FK name template</b>	An FK name template definition. You can use specific names and patterns, such as %t (a table name) or %r (a relationship role).  For more information, see <a href="#">Conversion of associations</a> .
<b>Elements exclusion rules</b>	One or more rules for elements' exclusion from the transformation.  For more information, see <a href="#">Excluding elements from transformation</a> .

<b>Allow HTML in comments</b>	If <i>true</i> , SQL comments in DDL script retain HTML formatting information. For more information, see <a href="#">Transforming documentation</a> .
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\* - These properties are available only for UML to SQL (Oracle) transformation.

**Related page**

- [Model Transformation Wizard](#)