



# Creating Custom Rules for Relationships

DSL relationships may have special rules to describe which elements can be connected. Use the following properties to define the relationships:

Property	Description
<b>Types for Source</b>	<p>Specifies metaclasses or <a href="#">stereotypes</a> allowed to connect as the source of the relationship. Types cannot conflict with UML permitted types for this relationship.</p> <div> <b>Note</b> The <b>Types For Source</b> property is intended for relationships only. The <b>Customization Target</b> property can be a relationship or a metaclass of a relationship.</div>
<b>Types for Target</b>	<p>Specifies metaclasses or <a href="#">stereotypes</a> allowed to connect as the target of the relationship. Types cannot conflict with UML permitted types for this relationship.</p> <div> <b>Note</b> The <b>Types For Source</b> property is intended for relationships only. The <b>Customization Target</b> property can be a relationship or a metaclass of a relationship.</div>

## Related Pages

- [Creating Customization Data](#)
- [Using Customization Data](#)
- [Creating Numbering Customizations](#)
- [Working with paths and relationships](#)



### Note and Example

Subtypes of a specified end type are allowed only if the type is abstract (for example, the Classifier metaclass), otherwise only concrete types must be used. For example:

- If the value of the **Types For Source** property is the Classifier metaclass, then the Class, Component and other classifiers are allowed to connect as a source of a relationship.
- If the value of the **Types For Source** property is the Class metaclass, then the Class elements are allowed to connect as a source of a relationship.
- If the value of the **Types For Source** property is the «Block» DSL element, then the «Block» elements are allowed to connect as a source of a relationship.

In the following table, see properties that are used for customizing non-relationships:

Property	Description
<b>Allowed Relationships</b>	Specifies types of relationships that are allowed to be connected to the DSL element.
<b>Disallowed Relationships</b>	Specifies types of relationships that are not allowed to be connected to the DSL element.



### Note and Example

Subtypes of specified allowed or disallowed relationships are analyzed only when a specified relationship type is an abstract metaclass (for example, *DirectedRelationship*). In other cases, only concrete types are checked.

- If «Trace» is allowed, subtypes of trace «copy» and «verify» are allowed also.
- If *Association* is allowed, *Extension* (a subtype) is not allowed, but simple stereotyped Associations are allowed. All DSL Associations are not allowed.
- If *Dependency* is not allowed, simple stereotyped Dependencies like «delegate» are not allowed, but subtypes of *Dependency*, for example, *Abstraction* and DSL types based on *Dependency* are allowed.

