

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
Types for Source	Specifies metaclasses or stereotypes allowed to connect as the source of the relationship. Types cannot conflict with UML permitted types for this relationship.  Note The Types For Source property is intended for relationships only. The Customization Target property can be a relationship or a metaclass of a relationship.
Types for Target	Specifies metaclasses or stereotypes allowed to connect as the target of the relationship. Types cannot conflict with UML permitted types for this relationship.  Note The Types For Source property is intended for relationships only. The Customization Target property can be a relationship or a metaclass of a relationship.

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
Allowed Relationships	Specifies types of relationships that are allowed to be connected to the DSL element.
Disallowed Relationships	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.

