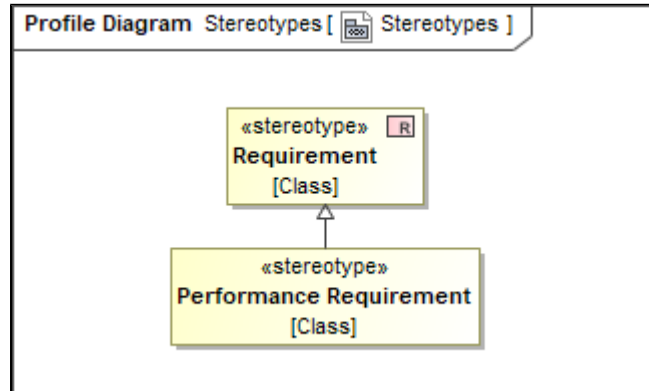


Creating Inheritance of DSL Customization

DSL customization is inherited when a stereotype is inherited. So, it is not necessary to create new DSL customization. For example, to create your own subtype of SysML «Requirement», named, let's say, *Performance Requirement*, it is enough to define a new stereotype «Performance Requirement» and add a generalization between the SysML «Requirement» stereotype and the «Performance Requirement» stereotype. As a result, all predefined symbol properties (style) and semantic rules of SysML «Requirement» will be reused on elements stereotyped by «Performance Requirement». In the case where the custom stereotype has its own customization, its properties can be overwritten, inherited, or merged.



«Performance Requirement» stereotype inherits the customization of the SysML «Requirement» through a generalization.

The rules for inheriting/merging/overwriting customization properties are provided in the table below:

	Empty customizations			Customizations with overwritten values						
Original	Stereotype and customization are inherited	Stereotype is inherited, customization is not inherited	Stereotype is not inherited, customization is inherited	Stereotype and customization are inherited	Stereotype is inherited, customization is not inherited	Stereotype is not inherited, customization is inherited				
customizationTarget	-	-	-	-	-	-				
hideMetatype	Inherited		Inherited	Overwritten	Overwritten	Overwritten				
keyword	-									
representationText			-							
standardExpertConfiguration		Inherited	Inherited				Overwritten	Merged	Overwritten	
usedUMLProperties										
applyToSource										
applyToTarget										
superTypes										
allowedRelationships										
disallowedRelationships										
typesForSource										
typesForTarget										
connectionRule	-			-	-	-				-
quickApplyingFor	Inherited			-		Merged				
hiddenOwnedDiagrams										
hiddenOwnedTypes										
suggestedOwnedDiagrams										
suggestedOwnedTypes										
inShortcutMenu										
showPropertiesWhenNotApplied										

possibleOwners						
multiLineTextProperties						
category						
checkSpelling		Inherited		Overwritten	Merged	Overwritten
defaultShapeSize		-				
doNotSuggestAsType		Inherited			Overwritten	
helpID	-	-	-		Inherited	
preferredMetatype		Inherited				
showPropertiesWhenNotAppliedLimitedByProfileApplication		-				
showPropertiesWhenNotAppliedLimitedByElementType	Inherited		Inherited		Overwritten	
allowedDragAndDrops						
abbreviation						
additionalContent						
subElementContentsIncluded		Inherited				
doNotSuggestNameAutoCompletion						
symbolStandardExpertConfiguration		-				

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