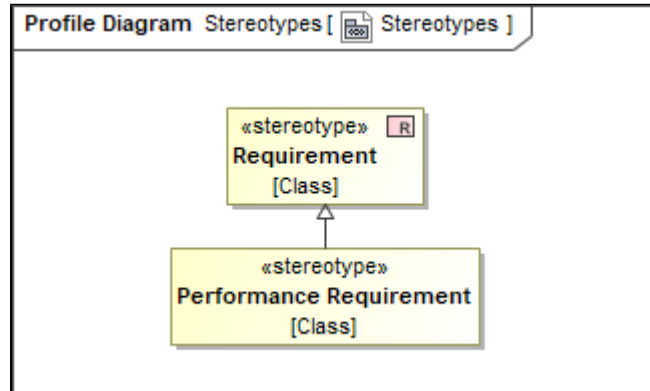


Creating Inheritance of DSL Customization

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			
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	-	-	-			
preferredMetatype		Inherited			Inherited	
showPropertiesWhenNotAppliedLimitedByProfileApplication		-				
showPropertiesWhenNotAppliedLimitedByElementType	Inherited		Inherited		Overwritten	
allowedDragAndDrops						
abbreviation						
additionalContent						
subElementContentsIncluded		Inherited				
doNotSuggestNameAutoCompletion						
symbolStandardExpertConfiguration		-				

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