

staticTypeOf

Syntax	<pre>set type = anyObject.staticTypeOf();</pre>																			
Semantics	Returns the type of any object it has had at compile-time. To get the type the object has at run-time use the <code>typeOf()</code> Operation . <code>typeOf()</code> and <code>staticTypeOf()</code> may return the same type, though.																			
Substitutables	type	Can be any variable or object attribute having the type String .																		
	anyObject	Can be any object.																		
Examples	<p>Assume you have the following class structure:</p> <div><div><div>Person</div><div>+city : String = Basel +country : String = Switzerland +id : String +name : String +street : String = Lautengartenstr. 12</div></div><div><div>Customer</div><div>+lastOrder : String</div></div><div></div></div> <p>A type Customer derives from a type Person and adds an additional attribute.</p> <p>Now assume further you have an object of each class (aPerson and aCustomer) and the following action script:</p> <pre>set aPerson = aCustomer; set staticTypeOfaPerson = aPerson.staticTypeOf(); set typeOfaPerson = aPerson.typeOf();</pre> <p>typeOfaPerson will be Customer, staticTypeOfaPerson will be Person, which is the type the object had originally been created with.</p> <p>Find below a list of all Bridge Base Types together with their type string as returned by typeOf() and staticTypeOf().</p> <table><tr><th>Bridge Base Type</th><th>Type String</th></tr><tr><td>Any</td><td>urn:Base_Types.Any</td></tr><tr><td>Array</td><td>urn:Base_Types.Array</td></tr><tr><td>Blob</td><td>urn:Base_Types.Blob</td></tr><tr><td>Boolean</td><td>urn:Base_Types.Boolean</td></tr><tr><td>DateTime</td><td>urn:Base_Types.DateTime</td></tr><tr><td>Float</td><td>urn:Base_Types.Float</td></tr><tr><td>Integer</td><td>urn:Base_Types.Integer</td></tr><tr><td>String</td><td>urn:Base_Types.String</td></tr></table> <p>Other, e.g. model specific, types can be referenced via their path in the containment tree, e.g. a class customer that has been defined in the UML package Services/TypeOperationsService/Classes/Customer would have the following type string: "urn:Services.TypeOperationsService.Classes.Customer".</p>		Bridge Base Type	Type String	Any	urn:Base_Types.Any	Array	urn:Base_Types.Array	Blob	urn:Base_Types.Blob	Boolean	urn:Base_Types.Boolean	DateTime	urn:Base_Types.DateTime	Float	urn:Base_Types.Float	Integer	urn:Base_Types.Integer	String	urn:Base_Types.String
Bridge Base Type	Type String																			
Any	urn:Base_Types.Any																			
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String	urn:Base_Types.String																			

Related Pages:

- [typeOf\(\) Operation](#)
- [getMetaAttributes\(\) Operation](#)

Example File (Builder project Basic Modeling/ClassOperation):



<your example path>\Basic Modeling\ClassOperation\uml\typeOperations.xml