# Getting a value from a MagicDraw element to a template

On this page

- · Getting element values to a template
- Glossary
- More information about working with values in Report Wizard

## Getting element values to a template

You can access the value of an element, and include it in a report in Report Wizard.

To get a value from a modeling tool element to a template

1. First you need to know the element type and attributes. Open the Specification dialog to see the type and attributes.

Specification of Class Customer	Туре				×
Specification of Class properties Specify properties of the selected Class in the properties specification table. Choose the Expert or All options from the Properties drop-down list to see more properties.					
🗉 te 🖸 🖉 🛛	Customer				
Customer				Properties: All	~
Documentation/Hyperlinks     Usage in Diagrams	E Class				^
Usage In Diagrams	Name	Customer			
	Qualified Name	Library System	m::Customer		
🗈 Ports	Owner	📋 Library S	ystem		
Operations     Signal Receptions     Signal Receptions     Template Parameters     Definitions     Relations     Constraints     Definition     Traceability     Definition	Applied Stereotype				
	Base Classifier				
	Realized Interface Attribute				
	Visibility	public			
	Is Leaf	false			
	Is Final Specialization	false			
	Is Active	false			
	Is Abstract	false			
	Active Hyperlink				
	Use Case				
	Template Parameter Owned Comment				
	Owned Comment				
		<ul> <li>:Library System::Librarian [0*] [Library System::C</li> <li>:Library System::Loan [0*] [Library System::Cust</li> </ul>			
				Difference Company	
	Name The name of the NamedElement.				
	Q Type here to filter properties				
		Close	Back	Forward	Help

The Specification dialog showing the element type on the title bar and the attributes in the properties specification table. 2. Open Microsoft Word and type, for example:

```
#foreach ($class in $Class)
Name: $class.name
Owner: $class.owner.name
Visibility: $class.visibility
Is Abstract: $class.isAbstract
#end
```

The example above shows that **\$Class** is an array that contains all the Class elements in a **Selected Element Scope** (see **Report Wizard user** guide for more information). **\$class** is the individual Class element inside the array. To access the value of a property in **\$class**, type: **\$class** follo wed by "." and the attribute's name (".name", ".visibility", and ".isAbstract" are the names of the **\$class** attribute). The syntax for accessing the attribute value can be represented by: **\$[Referenced object].[Attribute's name]**.

When you generate the output of the template for a project with a single Class element, the result will be shown as follows:

### Glossary

#### Array

An array is a container object that holds a fixed number of values of a single type. The length of an array is established when the array is created. After it is created, its length is fixed.

• Attribute

Attribute defines values that can be attached to instances of the class or interface. For example, an attribute of a class represents the characteristics of the class.

Class

Class is the concrete realization of EncapsulatedClassifier and BehavioredClassifier. The purpose of a class is to specify a classification of objects, and to specify the Features that characterize the structure and behavior of those objects.

Element

Element is a constituent of a model. Every element has the inherent capability of owning other elements. When an element is removed from a model, all its ownedElements are also removed from the model. The abstract syntax for each kind of element specifies what other kind of elements it may own. Every element in a model must be owned by exactly one other element of that model, with the exception of the top-level Packages of the model.

## More information about working with values in Report Wizard

To learn more about working with values in Report Wizard, visit the following pages:

**Retrieving Slot Values** 

Getting property value