



Cascade CMS Velocity Cheat Sheet

More Velocity and format-based resources are available on our [Knowledge Base](#). To use any of the Velocity snippets, enter the snippet as shown and hit the enter key on your keyboard, scrolling down as necessary to pick the right snippet.

Velocity Code	Method	Snippet
Comment	## This is a Velocity comment. *# This is a multiline comment. *#	
Set (variable assignment)	#set (\$var =)	set
*.getChild (child node of previously selected \$node element)	\$node.getChild("[nodename]")	.g
If	#if (true) #end #if (true) #else #end	if ife
For-each	#foreach (\$item in \$collection) ## foreach code #end	foreach
Macro	#macro (macroName \$variables) ## macro code #end	macro
XPath Tool	\$_XPathTool.selectSingleNode \$_XPathTool.selectNodes	X.ssn X.sn
Escape Tool	\$_EscapeTool.xml(\$string) \$_EscapeTool.html(\$string) \$_EscapeTool.javascript(\$string)	Esc.x Esc.h Esc.j
Serializer Tool	\$_SerializerTool.serialize(\$collection, true)	Ser.s
Date Tool	\$_DateTool.format("[format] ¹ ", \$date) \$_DateTool.getDate(\$date)	Dat.f Dat.g
Sort Tool	\$_SortTool.addSortCriterion("selector", "language", "text number qname", "ascending descending", "lowerfirst upper- first") \$_SortTool.sort(\$collection)	Sor.s ²

¹ Friendly date formats (such as MM/DD/YYYY) are available at

<http://docs.oracle.com/javase/tutorial/i18n/format/dateFormat.html>.

² \$Sor.s can be used alone to include the addSortCriterion method in addition to the sort method.

Variable Assignment Examples

```
#{foo}
```

```
#{foo.value}
```

```
#{foo.bar()}
```

A sentence with a \$foovvariable. A sentence with a {foo}variable.

```
#set ( $size = "Big" )
```

```
#set ( $name = "Ben" )
```

```
#set ( $clock = "$size $name" )
```

The clock is \$size\$name.....The clock is Big Ben.

The clock is \$clock.....The clock is Big Ben.

```
#set ( $dir = "www" )
```

```
#set ( $page = "index.html" )
```

```
#set ( $path = "/"$dir/$page" )
```

```
#set ( $value = $foo + 1 )
```

```
#set ( $value = $bar - 1 )
```

```
#set ( $value = $foo * $bar )
```

```
#set ( $value = $foo / $bar )
```

```
#set ( $foo = $bar % 5 )
```

If-Conditional Examples

```
#if ( $foo )
```

```
  <strong>Velocity!</strong>
```

```
#end
```

```
#if ( $foo < 10 )
```

```
  <strong>Go North</strong>
```

```
#elseif ( $foo == 10 )
```

```
  <strong>Go East</strong>
```

```
#elseif ( $bar == 11 )
```

```
  <strong>Go South</strong>
```

```
#else
```

```
  <strong>Go West</strong>
```

```
#end
```

```
#if ( $foo ) #end                ## False
#if ( !$foo ) #end              ## True
#if ( $foo && $foo.value ) #end  ## False and $foo.value will not be evaluated
#if ( $foo && $foo == "bar" ) #end ## False and $foo == "bar" wil not be evaluated
#if ( $foo1 || $foo2 ) #end     ## False $foo1 and $foo2 are not defined
```

```
#if ( $foo && $bar )
  <strong> This AND that </strong>
#end
#if ( $foo || $bar )
  <strong> This OR that </strong>
#end #if ( !$foo )
  <strong> This NOT that </strong>
#end
```

For-each Conditional Examples

```
<ul>
#foreach ( $item in $list )
  <li>$item</li>
#end
</ul>
```

```
#foreach ( $foo in [1..5] )
  $100
#end
```

```
#foreach ( $bar in [2..-2] )
  $bar
#end
```

Note: More Velocity resources are available through the Velocity User Guide (<http://velocity.apache.org/engine/releases/velocity-1.7/user-guide.html>).