

VelocityDebuggingTemplate

This console will display a popup window with information about all of the variables available in the Velocity Context. It can be an invaluable debugging tool.

To use, either add this pair of macros to your template, or better yet, to your VM_Global_library.vm file. Then from the template you want to debug, you can simply add #showDebugPopup() to the bottom of the template you want to debug, and it will pop up a window with debugging information. You'll need to remove that invocation before you go to production. 😊

Here is the latest version, which uses the [ContextTool](#). You must have access to the Context Tool as \$context for this to work. There is a version below this that does not require that. This newer version also removes any variables that are invalid VTL.

```

##
## Macro - printRow
##      This macro is used by #showDebugPopup to display velocity debugging information
##
#macro (printRow $name $value)
    #set ($rowLength = $value.length()/57+1)
    #if ($rowLength > 15)
        #set ($rowLength = 15)
    #end
    #if ($velocityCount)
        #if (($velocityCount % 2) == 0)
            _velocity_console.document.write("<tr bgcolor=#fafafa>");
        #else
            _velocity_console.document.write("<tr bgcolor=#eeeeee>");
        #end
    #else
        _velocity_console.document.write("<tr bgcolor=#eeeeee>");
    #end
    _velocity_console.document.write("<td valign=top><tt><font color=maroon>$" + "$name" + "</font></tt><
/td>");
    #if ($rowLength == 1)
        _velocity_console.document.write("<td><tt><font color=green>$value</font></tt></td></tr>");
    #else
        _velocity_console.document.write("<td><tt><font color=green><textarea rows=$rowLength
cols=57>");
        _velocity_console.document.write("$value");
        _velocity_console.document.write("</textarea></font></tt></td></tr>");
    #end
#end

##
## Macro - showDebugPopup
##      This macro shows a Velocity debugging popup
##
#macro (showDebugPopup)
<script language=javascript>
    _velocity_console = window.open("",true,"width=680,height=600,resizable,scrollbars=yes");
    _velocity_console.document.write("<html><head><title>Velocity Debugging Console</title></head><body
bgcolor=#ffffff>");
    _velocity_console.document.write("<table border=0 width=100%>");
    _velocity_console.document.write("<tr bgcolor=#000000><th colspan='2'><b><font color=#FFFFFF>Velocity
Debug Console</font></b></th></tr>");
    _velocity_console.document.write("<tr bgcolor=#cccccc><td colspan='2'><b>Velocity Context Values:</b><
/td></tr>");
    #foreach ($name in ${context.getKeys()})
        #if($context.get($name))
            #set($nameString = $name)
            #set($invalidMsg = "INVALID VTL: ")
            #if($name.matches(".*[:|{|}| ].*"))
                #set($nameString = $invalidMsg.concat($nameString))
            #end
            #if($name.matches("[_]|0-9].*"))
                #set($nameString = $invalidMsg.concat($nameString))
            #end
            #if(!$nameString.matches("INVALID VTL:.*"))
                #printRow($nameString $context.get($name).toString().replaceAll("\n", "\\n").
replaceAll("\r", ""))
            #end
        #end
    #end
    _velocity_console.document.write("</table>");
    _velocity_console.document.write("</body></html>");
    _velocity_console.document.close();
</script>
#end

```

This version doesn't require the [ContextTool](#):

```

#macro (printRow $name $value)
    #set ($rowLength = $value.length()/57+1)
    #if ($rowLength > 15)
        #set ($rowLength = 15)
    #end
    #if (($velocityCount % 2) == 0)
        _velocity_console.document.write("<tr bgcolor=#fafafa>");
    #else
        _velocity_console.document.write("<tr bgcolor=#eeeeee>");
    #end
    _velocity_console.document.write("<td valign=top><tt><font color=maroon>$" + "$name" + "</font></tt><
/td>");
    #if ($rowLength == 1)
        _velocity_console.document.write("<td><tt><font color=green>$value</font></tt></td></tr>");
    #else
        _velocity_console.document.write("<td><tt><font color=green><textarea rows=$rowLength
cols=57>");
        _velocity_console.document.write("$value");
        _velocity_console.document.write("</textarea></font></tt></td></tr>");
    #end
#end

<script language=javascript>
    _velocity_console = window.open("",true,"width=680,height=600,resizable,scrollbars=yes");
    _velocity_console.document.write("<html><head><title>Velocity Debug Console</title></head><body
bgcolor=#ffffff>");
    _velocity_console.document.write("<table border=0 width=100%>");
    _velocity_console.document.write("<tr bgcolor=#000000><th colspan='2'><b><font color=#FFFFFF>Velocity
Debug Console</font></b></th></tr>");
    _velocity_console.document.write("<tr bgcolor=#cccccc><td colspan='2'><b>Request Attributes:</b></td><
/tr>");
    #foreach ($name in $request.getAttributeNames())
        #printRow($name $request.getAttribute($name).toString().replaceAll("\n", "\\n").replaceAll
("\r", ""))
    #end
    _velocity_console.document.write("<tr bgcolor=#cccccc><td colspan='2'><b>Request Parameters:</b></td><
/tr>");
    #foreach ($name in ${request.getParameterNames()})
        #printRow($name $request.getParameter($name).toString().replaceAll("\n", "\\n").replaceAll
("\r", ""))
    #end
    _velocity_console.document.write("<tr bgcolor=#cccccc><td colspan='2'><b>Session Attributes:</b></td><
/tr>");
    #foreach ($name in ${session.getAttributeNames()})
        #printRow($name $session.getAttribute($name).toString().replaceAll("\n", "\\n").replaceAll
("\r", ""))
    #end
    _velocity_console.document.write("</table>");
    _velocity_console.document.write("</body></html>");
    _velocity_console.document.close();
</script>

```