

January 2008

Building a Windows Application in Powershell (converting C#)

January 17, 2008

<u>C# code</u>	<u>Powershell code</u>
<code>this.button1 = new System.Windows.Forms.Button();</code>	<code>\$button1 = new -object System.Windows.Forms.Button;</code>
<code> New</code>	<code> New-object</code>
<code> This.</code>	<code> \$</code>
<code> ()</code>	<code> Not needed</code>
<code> ;</code>	<code> ; can stay or removed</code>
<code> >, <, =, !=...</code>	<code>-gt, -lt, -eq, -ne... (look in the PS reference sheet)</code>
<code> True, false...</code>	<code>\$true, \$false</code>
<code>this.comboBox1.Items.AddRange(new object[] {"AP Export", "Sales Import", "GL Export", "Vendor Import"});</code>	<code>\$CbValues1 = "AP Export", "Sales Import"; \$comboBox1.Items.AddRange(\$CbValues1);</code>
<code>this.comboBox1.Location = new System.Drawing.Point(131, 83);</code>	<code>\$comboBox1.Location = new-object System.Drawing.Point @ (131, 83);</code>
<code> ..Point(131,83); or ..Size(121,21);</code>	<code> ..Point @ (131,83); or ..Size @ (121,21);</code>
<code>this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);</code>	<code>\$Form1.AutoScaleDimensions = new-object System.Drawing.SizeF @ ([double] 6, [double] 13);</code>
<code> ..SizeF(6F,13F);</code>	<code> ..SizeF @ ([double] 6, [double] 13);</code>
<code>this.SuspendLayout();</code>	<code>Not needed</code>
<code>this.ResumeLayout(false);</code>	<code>Not needed</code>
<code>this.PerformLayout();</code>	<code>Not needed</code>

Order of building the Powershell Windows Script:

1. **Set-ExecutionPolicy** -executionpolicy remotesigned (might be needed)
2. **Load all General Assemblies Components (GAC's).**
3. **Initialize all Variables and Controls objects**
4. **Create all NonFunction/Functions and/or Events (\$button.Add_Click, \$Combo1.Add_Select...)**
5. **Put together all the Controls objects**
6. **Last lines should Activate the form**