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Open Source Software for Simulating Active Distribution Systems

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Assign a Variable to the Text Interface
Assign a variable to the reat interface
Public Sub StartDSS()
' Create a new instance of the DSS
Set DSSobj = New OpenDSSengine.DSS
' Start the DSS
If Not DSSobj.Start(0) Then
MsgBox "DSS Failed to Start"
Else
MsgBox "DSS Started successfully"
' Assign a variable to the Text interface for easier access
Set DSSText = DSSobj.Text
End If
End Sub

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	Now Use the T	ext	Interface
•	You can issue any of the DS	S scri	pt commands from the
	Text interface	is serij	
۰ ۵	lways a good idea to clear the DSS when loadin DSSText.Command = "clear"	g a new ci	ircuit
' C	Compile the script in the file listed under "fn	ame" cell	on the main form
	DSSText.Command = "compile " + fname		
` S	Set regulator tap change limits for IEEE 123 bu	s test cas	3e
Wit	h DSSText		
	.Command = "RegControl.cregla.maxtapchange=1 This one moves first"	Delay=15	!Allow only one tap change per solution.
	.Command = "RegControl.creg2a.maxtapchange=1	Delay=30	!Allow only one tap change per solution"
	.Command = "RegControl.creg3a.maxtapchange=1	Delay=30	!Allow only one tap change per solution"
	.Command = "RegControl.creg4a.maxtapchange=1	Delay=30	!Allow only one tap change per solution"
	.Command = "RegControl.creg3c.maxtapchange=1	Delay=30	!Allow only one tap change per solution"
	.Command = "RegControl.creg4b.maxtapchange=1	Delay=30	!Allow only one tap change per solution"
	.Command = "RegControl.creg4c.maxtapchange=1	Delay=30	!Allow only one tap change per solution"
	.Command = "Set MaxControlIter=30"		
E	End With		

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	Result Property
	 The Result property is a Read Only property that contains any result messages the most recent command may have issued. Error messages Requested values
	' Example: Query line length
	DSSText.Command = "? Line.L1.Length"
	S = DSSText.Result ' Get the answer
	MsgBox S ' Display the answer











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