Quiz Summary

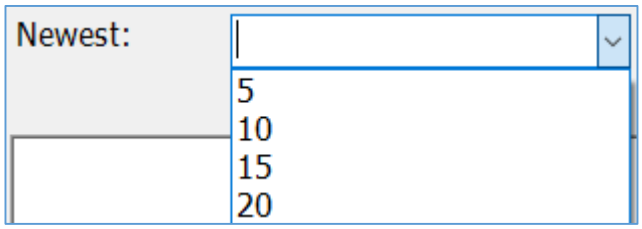
In this applied quiz, you will dynamically set a combo box's items to a list of event log types. You will also demonstrate how to load a drop down list with literal values. After your combo items have been set, you will code a PowerShell function that will act as an event handler for the click event of a button.

Quiz Instructions

1. Download the starter file, ***EventLogStarter.ps1***, for this exercise. It is located in the Week 11-Finish Line folder. Rename the file to ***YourName_EventLogGui.ps1***

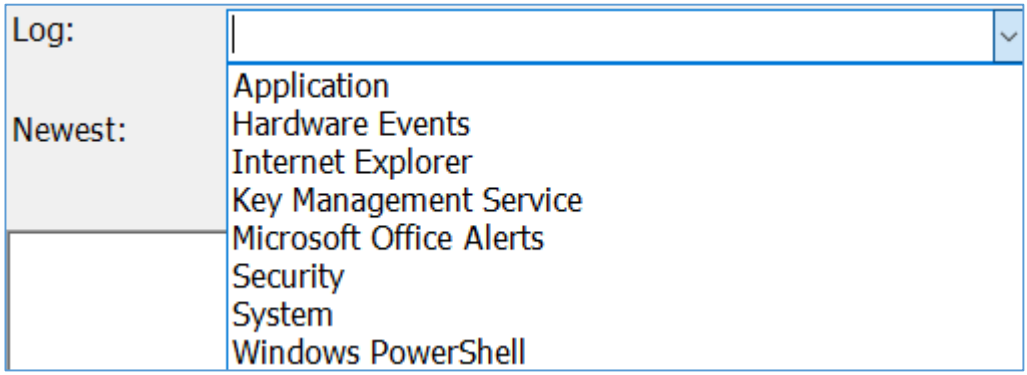
2. Open the starter file in PowerShell and review its code. Run the script to see what it generates so far.

3. Your first task is to add code to the ***#Build Newest Values Combo Box*** section. In this part of the script, you will add 4 literal values to the dropdown list: 5, 10, 15, and 20. If coded successfully, your dropdown list should look like this when your script executes and the combo box is selected:

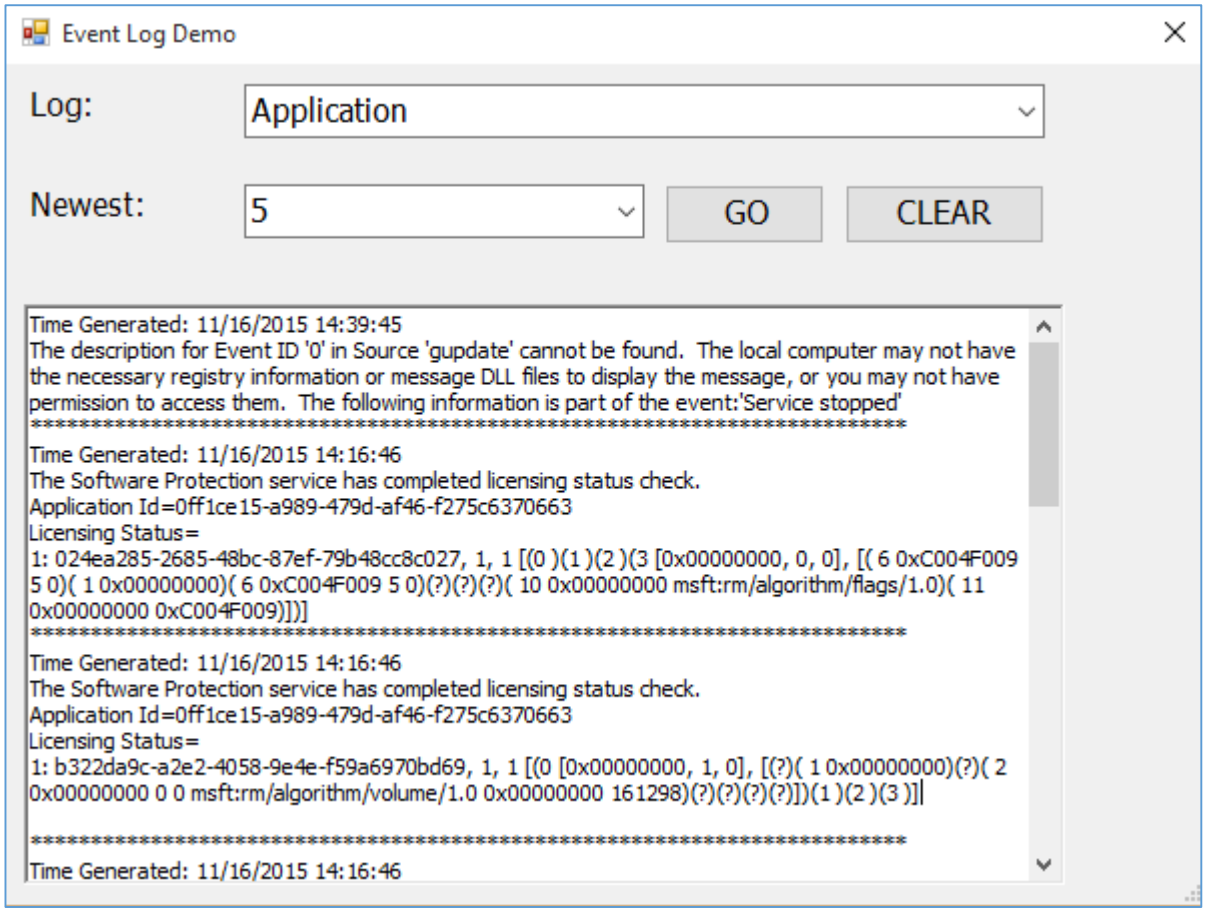


4. Now add code to the ***loadLogTypes*** function. The purpose of this function is to dynamically add a list of valid Log Type values to the Log combo box, which is represented by the variable, ***$cboLogName***, in the script. Your list will be dynamic because it will be generated from the results of cmdlet code.

5. Once your function has been coded, add a line of code to the ***#Assign add_load Event*** section of the script. This line of code should assign the ***loadLogTypes*** function as an event handler to the form's load event. Here is what your combo should look like when the function is correctly coded:



6. The last section of code that you will need to add to this script pertains to outputting the newest X number of event log details for the log type that the user selected. The function responsible for this part of the script is already started for you. It is called, ***getEventLog***. Once you code the cmdlet that will output the ***time generated and message properties*** of the parameterized get-EventLog cmdlet call, append its output to the rich textbox. Recall that the getEventLog function will not run unless you add it as an event handler to the click event of the "**GO**" button. You can refer to the sample output, below, to guide your coding approach:


Event Log Demo
Log:
Application
Newest:
5
GO
CLEAR
Time Generated: 11/16/2015 14:39:45
The description for Event ID '0' in Source 'gupdate' cannot be found. The local computer may not have the necessary registry information or message DLL files to display the message, or you may not have permission to access them. The following information is part of the event:'Service stopped'
****
Time Generated: 11/16/2015 14:16:46
The Software Protection service has completed licensing status check.
Application Id=0ff1ce15-a989-479d-af46-f275c6370663
Licensing Status=
1: 024ea285-2685-48bc-87ef-79b48cc8c027, 1, 1 [(0)(1)(2)(3 [0x00000000, 0, 0], [(6 0xC004F009 5 0)(1 0x00000000)(6 0xC004F009 5 0)(?)(?)(?)(10 0x00000000 msft:rm/algorithm/flags/1.0)(11 0x00000000 0xC004F009)]]]
****
Time Generated: 11/16/2015 14:16:46
The Software Protection service has completed licensing status check.
Application Id=0ff1ce15-a989-479d-af46-f275c6370663
Licensing Status=
1: b322da9c-a2e2-4058-9e4e-f59a6970bd69, 1, 1 [(0 [0x00000000, 1, 0], [(?)(1 0x00000000)(?)(2 0x00000000 0 0 msft:rm/algorithm/volume/1.0 0x00000000 161298)(?)(?)(?)(?)](1)(2)(3)]
****
Time Generated: 11/16/2015 14:16:46