Chapter 15 Lab

The following exercises should help you understand how to work with the different types of jobs and tasks in PowerShell. As you work through these exercises, don’t feel you have to write a one-line solution. Sometimes it is easier to break things down into separate steps.

1. Create a one-time background job to find all PowerShell scripts on the C: drive. Any task that might take a long time to complete is a great candidate for a job.  
     
   Start-Job {dir c:\ -recurse –filter '\*.ps1'}
2. You realize it would be helpful to identify all PowerShell scripts on some of your servers. How would you run the same command from the previous exercise on a group of remote computers?   
     
   Invoke-Command –scritpblock {dir c:\ -recurse –filter \*.ps1} –computername (get-content computers.txt) -asjob
3. Create background job that will get the latest 25 errors from the system event log on your computer and export them to a CLIxml file. You want this job to run every day, Monday through Friday at 6:00AM so that it is ready for you to look at when you come in to work.  
     
   $Trigger=New-JobTrigger -At "6:00AM" -DaysOfWeek "Monday","Tuesday","Wednesday","Thursday","Friday" –Weekly  
   $command={ Get-EventLog -LogName System -Newest 25 -EntryType Error | Export-Clixml c:\work\25SysErr.xml}  
   Register-ScheduledJob -Name "Get 25 System Errors" -ScriptBlock $Command -Trigger $Trigger  
   #check on what was created  
   Get-ScheduledJob | Select \*
4. What cmdlet do you use to get the results of a job and how would you save the results in the job queue?  
     
   Receive-Job –id 1 -keep