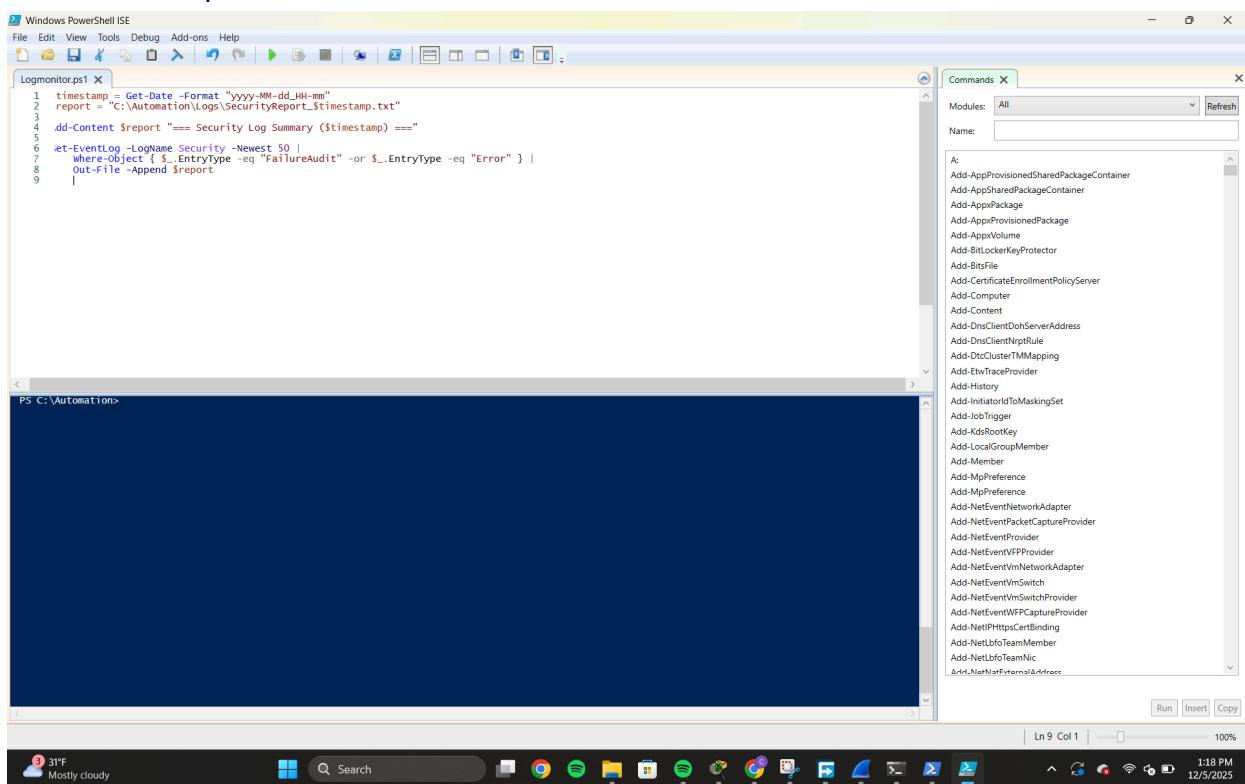


I created an automated PowerShell script (LogMonitor.ps1) that collects recent Security Event Log entries and filters for Error or FailureAudit types. The script outputs timestamped security summaries to C:\Automation\Logs. To automate this task, I configured a daily scheduled job in Windows Task Scheduler to run the script at 8:00 AM. Testing confirmed both manual and scheduled execution generated log files successfully, demonstrating automation of repetitive security monitoring tasks.

Log

Index	Time	EntryType	Source	InstanceID	Message
565500	Dec 05 13:22	FailureA...	Microsoft-Windows...	5061	Cryptographic operation....
565498	Dec 05 13:22	FailureA...	Microsoft-Windows...	5061	Cryptographic operation....

Powershell Script



```
Windows PowerShell ISE
File Edit View Tools Debug Add-ons Help
Logmonitor.ps1 X Commands X
PS C:\Automation>
1 $timestamp = Get-Date -Format "yyyy-MM-dd_HH-mm"
2 $report = "C:\Automation\Logs\SecurityReport_$timestamp.txt"
3 $dd-Content $report "===" Security Log Summary ($timestamp) ==="
4
5 <#>Get-EventLog -LogName Security -Newest 50 | 
6 Where-Object { $_.EntryType -eq "FailureAudit" -or $_.EntryType -eq "Error" } | 
7 Out-File -Append $report
8
9 |
```

The screenshot shows the Windows PowerShell ISE interface. On the left, there's a code editor window titled 'Logmonitor.ps1' containing the PowerShell script. On the right, there's a 'Commands' pane with a list of cmdlets starting with 'Add-'. The bottom of the screen shows the Windows taskbar with various icons and the system tray indicating it's 31°F and mostly cloudy.

Task Scheduler Daily running the script.

Screenshot of the Windows Task Scheduler application showing a list of scheduled tasks and a details view for one task.

Task Scheduler Library

Name	Status	Triggers	Last Run Time	Next Run Time	Last Result
CCleaner Up...	Ready	Multiple triggers defined	12/5/2025 6:39:53 PM	12/5/2025 11:44:00 AM	(0xB)
CCleanerCras...	Ready	At 10:21 AM every day	12/6/2025 10:21:00 AM	11/30/1999 12:00:00 AM	The task has not yet run. (0x41)
CCleanerSkip...	Ready			4/21/2025 10:45:42 AM	The operation completed succ
Daily Securi...	Running	At 8:00 AM every day		12/6/2025 8:00:00 AM	The task has not yet run. (0x41)
FreeDownload...	Running	At system startup		12/4/2025 8:32:14 PM	The task is currently running. (
Launch Adob...	Ready	At 10:38 PM every day	12/5/2025 10:38:00 PM	12/4/2025 8:36:53 PM	The operator or administrator
MicrosoftEd...	Ready	Multiple triggers defined	12/5/2025 9:13:38 PM	12/4/2025 9:13:38 PM	The operation completed succ
MicrosoftEd...	Ready	At 8:43 PM every day - After triggered, repeat every 1 hour for a duration of 1 day.	12/5/2025 14:33:38 PM	12/5/2025 14:43:38 PM	The operation completed succ
nppwatch...	Ready	At system startup		12/4/2025 8:32:14 PM	The operation completed succ
OneDrive Re...	Ready	At 11:38 PM on 12/3/2025 - After triggered, repeat every 1:00:00:00 indefinitely.	12/5/2025 11:38:04 PM	12/4/2025 11:39:01 PM	The operation completed succ
OneDrive Sta...	Ready	At 10:00 PM on 5/1/1992 - After triggered, repeat every 1:00:00:00 indefinitely.	12/5/2025 11:03:56 PM	11/30/1999 12:00:00 AM	The task has not yet run. (0x41)
OneDrive Sta...	Ready	At log on of CLVS-LAPTOPclayt		12/4/2025 8:42:30 PM	The operation completed succ

Actions

- Create Basic Task...
- Create Task...
- Import Task...
- Display All Running Tasks
- Enable All Tasks History
- New Folder...
- View
- Refresh
- Help

Selected Item

- Run
- End
- Disable
- Export...
- Properties
- Delete
- Help

General **Triggers** **Actions** **Conditions** **Settings** **History (disabled)**

When you create a task, you must specify the action that will occur when your task starts. To change these actions, open the task property pages using the Properties command.

Action: Start a program: Details: powershell.exe -File "C:\Automation\LogMonitor.ps1"

