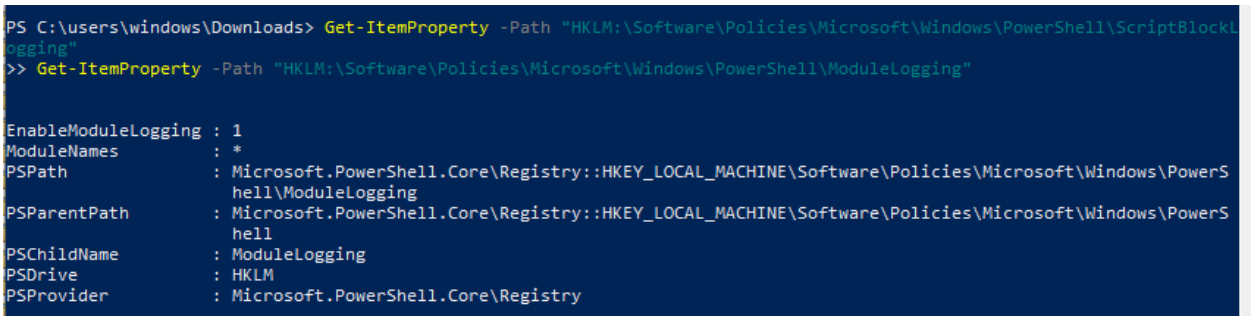
Scenario 5: Detecting Suspicious PowerShell Activity

Step 1: Update Sysmon Configuration to Log PowerShell Activity



Step 2: Simulate Suspicious PowerShell Execution

- Run this PowerShell script:
- Invoke-Expression -Command "Get-Process | Where-Object { $_.CPU -gt 100 }"
-

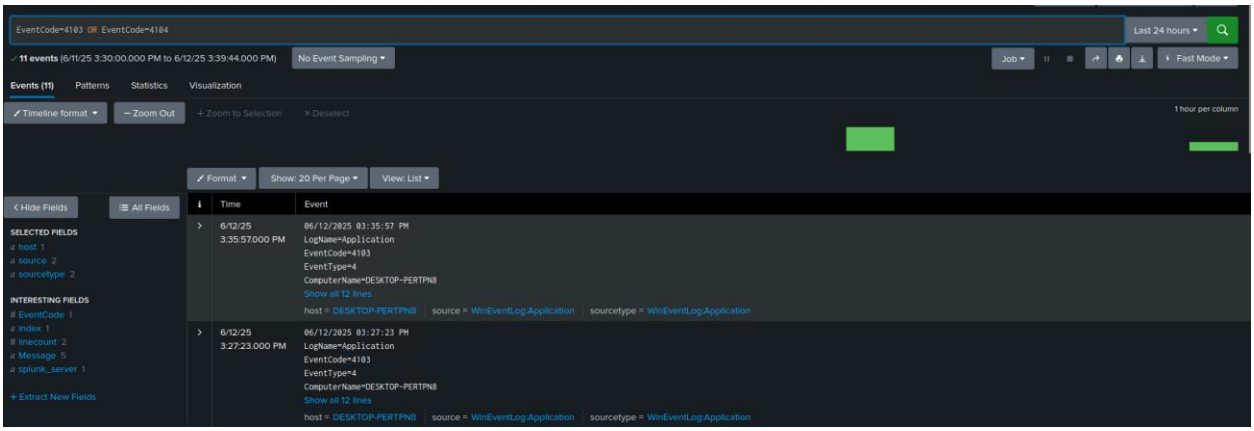
Step 3 : **What should happen:**

If logging is correctly set:

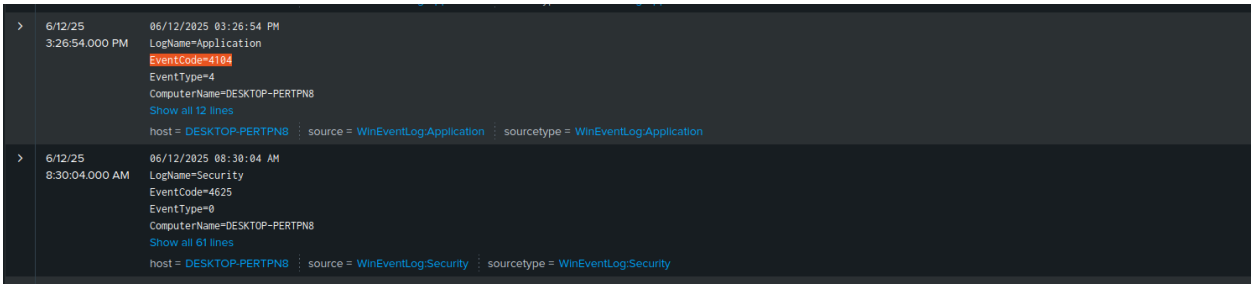
- You should see logs for this command in:

- index=winlogs EventCode=4103 OR EventCode=4104

- **Event ID 4104** (Script Block Logging)



- **Event ID 4103** (Module Logging)



Step 4 : Analyze PowerShell Logs in Splunk & Create Detection Alerts