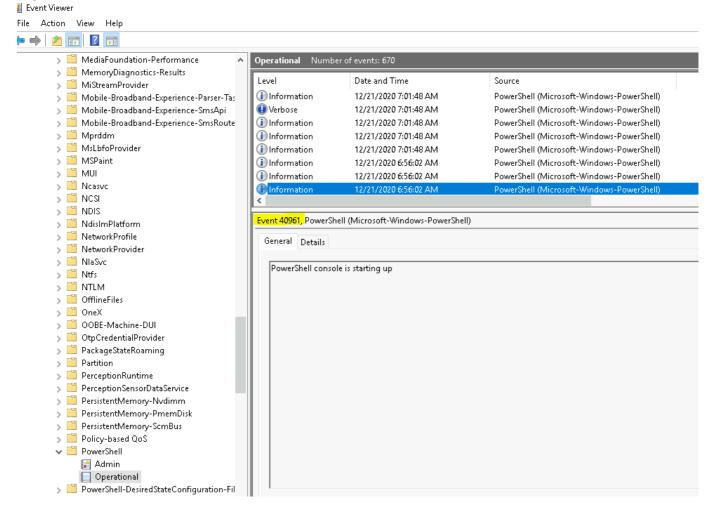
Windows event logs

Task 2

Question: What is the Event ID for the earliest recorded event?

Answer: 40961

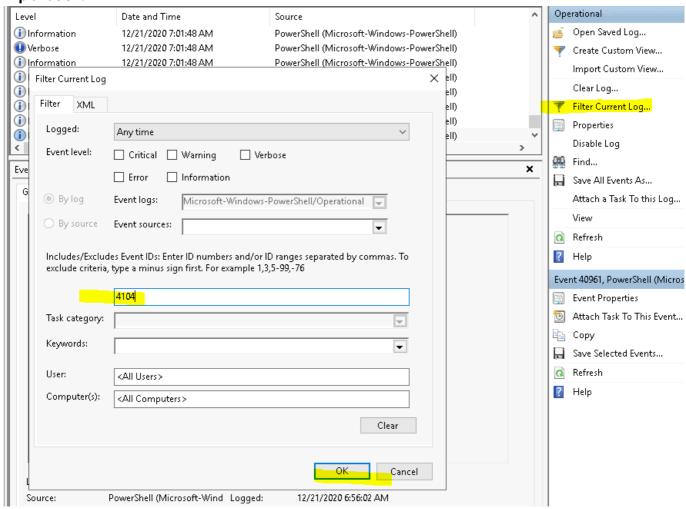




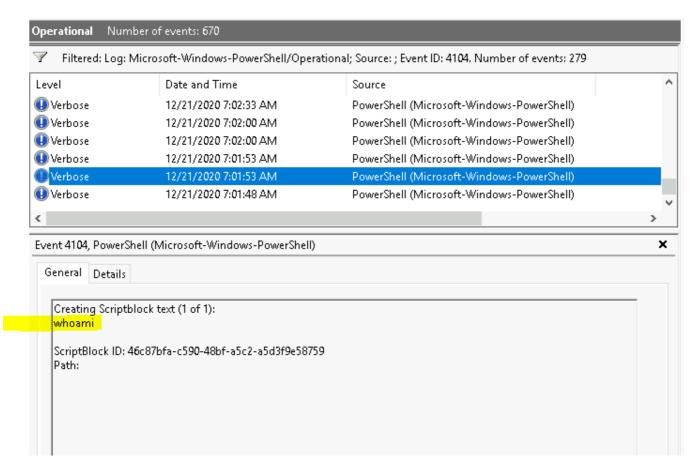
Question: Filter on Event ID 4104. What was the 2nd command executed in the PowerShell session?

Answer: whoami

Explanation:



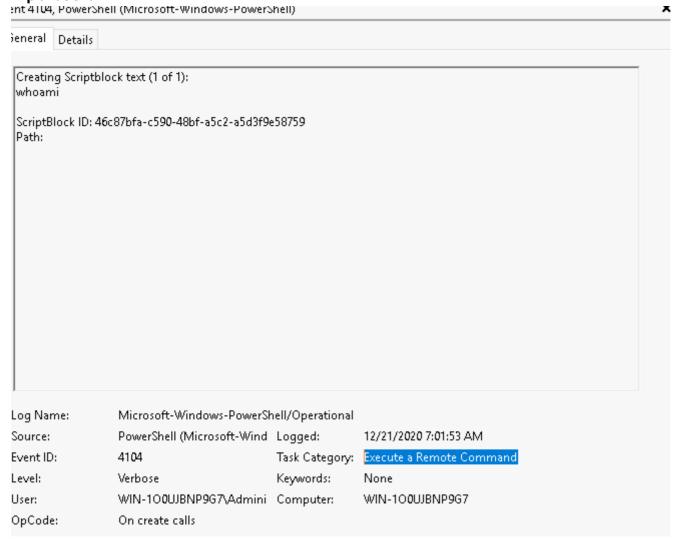
scroll down



Question: What is the Task Category for Event ID 4104?

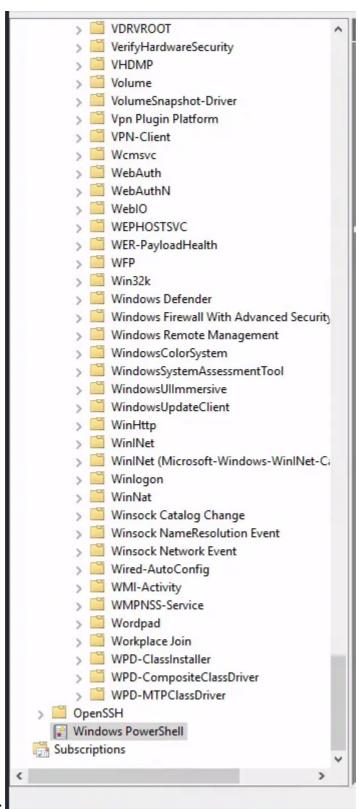
Answer: Execute a Remote Command

Explanation:



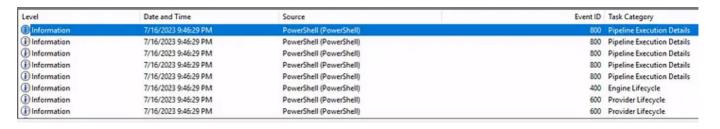
Question: What is the Task Category for Event ID 800?

Answer: Pipeline Execution Details



Explanation:

now look for an entry with 800 for their eventID



Question: How many log names are in the machine?

Answer: 1071

Explanation:

• open powershell

• run this command: wevtutil.exe el | Measure-Object

Question: What is the definition for the query-events command?

Answer: event log, log file, structured query

Explanation:

• open powershell

• run this command: wevtutil.exe qe /?

Question: What option would you use to provide a path to a log file?

Answer: /lf:true

Question: What is the VALUE for /q?

Answer: XPATH query

Question: What is the log name?

Answer: Application

Explanation:

· open powershell

• run this command: wevtutil qe Application /c:3 /rd:true /f:text

Question: What is the /rd option for?

Answer: Event read direction

Question: What is the /c option for?

Answer: Maximum number of events to read

Task 4

Question: Execute the command from Example 1 (as is). What are the names of the logs related to OpenSSH?

Answer: OpenSSH/Admin,OpenSSH/Operational

Explanation:

- Open powershell
- run this command: Get-WinEvent -ListLog *

Question: Execute the command from Example 7. Instead of the string *Policy* search for *PowerShell*. What is the name of the 3rd log provider?

Answer: Microsoft-Windows-PowerShell-DesiredStateConfiguration-FileDownloadManager

Explanation:

- Open powershell
- run this command: Get-WinEvent -ListProvider *Powershell*

Question: Execute the command from Example 8. Use Microsoft-Windows-PowerShell as the log provider. How many event ids are displayed for this event provider?

Answer: 192

Explanation:

- Open powershell
- run this command: (Get-WinEvent -ListProvider Microsoft-Windows-PowerShell). Events |
 Format-Table Id, Description | Measure-Object

Question: How do you specify the number of events to display?

Answer: -MaxEvents

Question: When using the FilterHashtable parameter and filtering by level, what is the value for Informational?

Answer: 4

Task 5

Question: Using Get-WinEvent and XPath, what is the query to find WLMS events with a System Time of 2020-12-15T01:09:08.940277500Z?

Answer: Get-WinEvent -LogName Application -FilterXPath '*/System/Provider[@Name="WLMS"]
and */System/TimeCreated[@Name="SystemTime"]="2020-12-15T01:09:08.940277500Z"'

Question: Using Get-WinEvent and XPath, what is the query to find a user named Sam with an Logon Event ID of 4720?

Answer: Get-WinEvent -LogName Security -FilterXPath
'*/EventData/Data[@Name="TargetUserName"]="Sam" and */System/EventID=4720'

Question: Based on the previous query, how many results are returned?

Answer: 2

Question: based on the output from the question #2, what is Message?

Answer: A user account was created

Question: Still working with Sam as the user, what time was Event ID 4724 recorded? (MM/DD/YYYY H:MM:SS [AM/PM])

Answer: 12/17/2020 1:57:14 PM

Explanation:

Open powershell

run this command: Get-WinEvent -LogName Security -FilterXPath
 '*/EventData/Data[@Name="TargetUserName"]="Sam" and */System/EventID=4724"

Question: What is the Provider Name?

Answer: Microsoft-Windows-Security-Auditing

Task 7

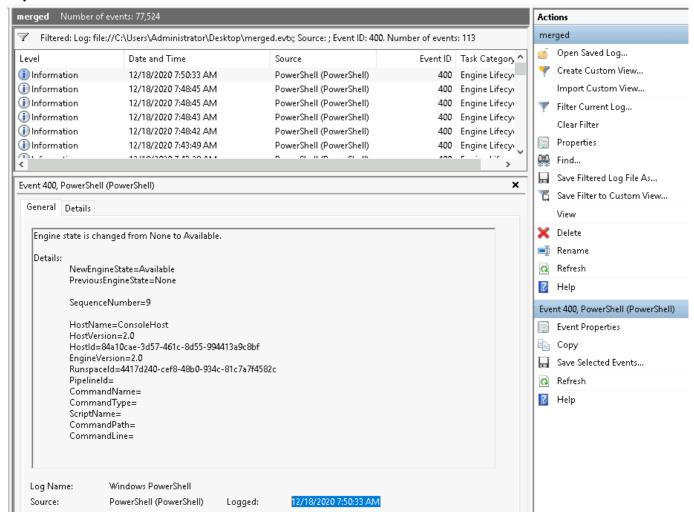
Question: What event ID is to detect a PowerShell downgrade attack?

Answer: 400

Question: What is the Date and Time this attack took place? (MM/DD/YYYY H:MM:SS [AM/PM])

Answer: 12/18/2020 7:50:33 AM

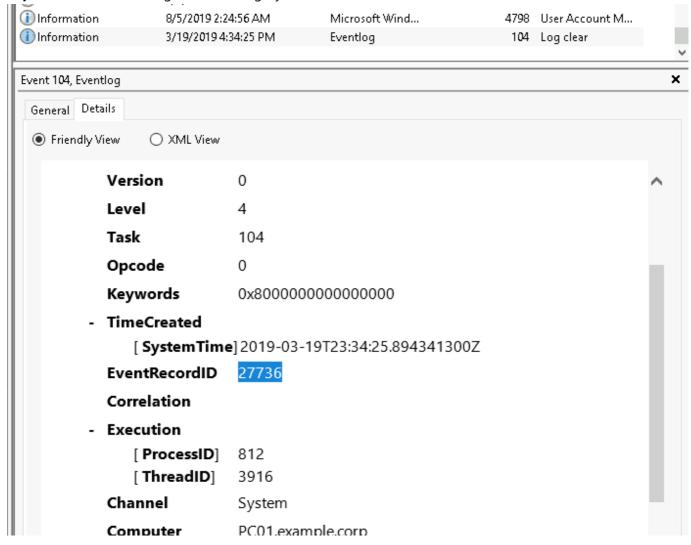
Explanation: Filter on eventID 400



Question: A Log clear event was recorded. What is the 'Event Record ID'?

Answer: 27736

Explanation: The clear log is a task category



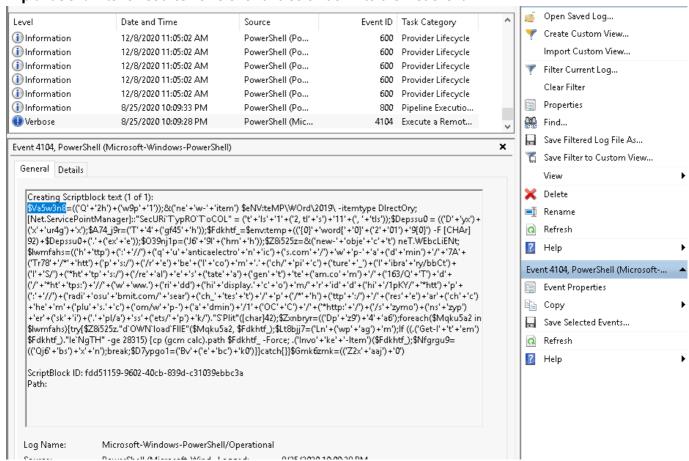
Question: What is the name of the computer?

Answer: PC01.example.corp

Question: What is the name of the first variable within the PowerShell command?

Answer: \$Va5w3n8

Explanation: Filter on source PowerShell and scroll down to the first event



Question: What is the Date and Time this attack took place? (MM/DD/YYYY H:MM:SS [AM/PM])

Answer: 8/25/2020 10:09:28 PM

Question: What is the Execution Process ID?

Answer: 6620

Explanation: Found in the XML part of the event

Question: What is the Group Security ID of the group she enumerated?

Answer: S-1-5-32-544

Explanation:

- First, we need to find the even ID. After some google https://www.ultimatewindowssecurity.com/securitylog/encyclopedia/event.aspx?eventid=4799
- We filter on EventID 4799
- The answer is de SID of the security group administrators

Question: What is the event ID?

Answer: 4799