



```
INNER JOIN(
      SELECT a.ProcessId, a.NewProcessId
      FROM apt29Host a
      INNER JOIN (
       SELECT NewProcessId
        FROM apt29Host
        WHERE LOWER(Channel) = "security"
            AND EventID = 4688
            AND LOWER(NewProcessName) LIKE "%control.exe"
            AND LOWER(ParentProcessName) LIKE "%sdclt.exe"
      ) b
      ON a.ProcessId = b.NewProcessId
      WHERE LOWER(a.Channel) = "security"
        AND a.EventID = 4688
        AND a.MandatoryLabel = "S-1-16-12288"
        AND a.TokenElevationType = "%%1937"
  ) c
  ON d.ProcessId = c.NewProcessId
  WHERE LOWER(d.Channel) = "security"
      AND d.EventID = 4688
      AND d.NewProcessName LIKE '%powershell.exe'
Results
                                                                              O
  A new process has been created.
  Creator Subject:
                                 S-1-5-21-1830255721-3727074217-2423397540-1107
          Security ID:
          Account Name:
                                 pbeesly
          Account Domain:
                                 DMEVALS
          Logon ID:
                                  0x372E81
  Target Subject:
          Security ID:
                                  S-1-0-0
          Account Name:
          Account Domain:
          Logon ID:
                                  0x0
  Process Information:
          New Process ID:
                                 0xf0c
          New Process ID: 0XT0C

New Process Name: C:\Windows\System32\WindowsPowerShell\v1.0\powers
          Token Elevation Type: %%1937
          Mandatory Label:
                                          S-1-16-12288
          Creator Process ID: 0xba0
          Creator Process Name: C:\Windows\System32\WindowsPowerShell\v1.0\powers
          Process Command Line: powershell.exe
```



Cyb3rWard0g commented on May 13, 2020

Contributor (Author) •••

Contributor (Author) •••

## 4.A.3 Deobfuscate/Decode Files or Information

Procedure: Decompressed ZIP (SysinternalsSuite.zip) file using PowerShell Criteria: powershell.exe executing Expand-Archive



Cyb3rWard0g commented on May 13, 2020 Telemetry showed PowerShell decompressing the ZIP via Expand-Archive and corresponding file writes. The event was correlated to a parent alert for Bypass User Account Control of control.exe spawning powershell.exe. Sysmon + PowerShell Logs

```
Q
SELECT Message
FROM apt29Host f
INNER JOIN (
    SELECT d.ProcessId
    FROM apt29Host d
    INNER JOIN (
      SELECT a.ProcessGuid, a.ParentProcessGuid
      FROM apt29Host a
      INNER JOIN (
```

```
SELECT ProcessGuid
          FROM apt29Host
          WHERE Channel = "Microsoft-Windows-Sysmon/Operational"
              AND EventID = 1
              AND LOWER(Image) LIKE "%control.exe"
              AND LOWER(ParentImage) LIKE "%sdclt.exe"
        ) b
        ON a.ParentProcessGuid = b.ProcessGuid
        WHERE a.Channel = "Microsoft-Windows-Sysmon/Operational"
          AND a.EventID = 1
          AND a.IntegrityLevel = "High"
      ) c
      ON d.ParentProcessGuid= c.ProcessGuid
      WHERE d.Channel = "Microsoft-Windows-Sysmon/Operational"
        AND d.EventID = 1
        AND d.Image LIKE '%powershell.exe'
  ) e
  ON f.ExecutionProcessID = e.ProcessId
  WHERE f.Channel = "Microsoft-Windows-PowerShell/Operational"
      AND f.EventID = 4104
      AND LOWER(f.ScriptBlockText) LIKE "%expand-archive%"
Results
                                                                               Q
  Creating Scriptblock text (1 of 1):
  Expand-Archive -LiteralPath "$env:USERPROFILE\Downloads\SysinternalsSuite.z\_p-D
  ScriptBlock ID: 63fc6cf4-cd9f-4134-9231-51ccb5c7d247
Security Logs + PowerShell
                                                                               Q
  SELECT Message
  FROM apt29Host f
  INNER JOIN (
      SELECT split(d.NewProcessId, '0x')[1] as NewProcessId
      FROM apt29Host d
      INNER JOIN(
        SELECT a.ProcessId, a.NewProcessId
        FROM apt29Host a
        INNER JOIN (
          SELECT NewProcessId
          FROM apt29Host
          WHERE LOWER(Channel) = "security"
              AND EventID = 4688
              AND LOWER(NewProcessName) LIKE "%control.exe"
              AND LOWER(ParentProcessName) LIKE "%sdclt.exe"
        ) b
        ON a.ProcessId = b.NewProcessId
        WHERE LOWER(a.Channel) = "security"
          AND a.EventID = 4688
          AND a.MandatoryLabel = "S-1-16-12288"
          AND a.TokenElevationType = "%%1937"
      ) c
      ON d.ProcessId = c.NewProcessId
      WHERE LOWER(d.Channel) = "security"
        AND d.EventID = 4688
        AND d.NewProcessName LIKE '%powershell.exe'
  ) e
  ON LOWER(hex(f.ExecutionProcessID)) = e.NewProcessId
  WHERE f.Channel = "Microsoft-Windows-PowerShell/Operational"
      AND f.EventID = 4104
      AND LOWER(f.ScriptBlockText) LIKE "%expand-archive%"
Results
  Creating Scriptblock text (1 of 1):
  Expand-Archive -LiteralPath "$env:USERPROFILE\Downloads\SysinternalsSuite.z
  ScriptBlock ID: 63fc6cf4-cd9f-4134-9231-51ccb5c7d247
```

Sign up for free

to join this conversation on GitHub. Already have an account? Sign in to

comment

© 2024 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information