



```
Cyb3rWard0g commented on May 11, 2020

From PS Logs

systemdrawingdll = spark.sql(

....

SELECT EventID

FROM apt29Table

WHERE Channel != "Microsoft-Windows-Sysmon/Operational"

AND LOWER(Message) LIKE "%copyfromscreen%"

...)

systemdrawingdll.show(100,truncate = False, vertical = F
```



```
Cyb3rWard0g commented
                                     (Contributor) (Author) •••
on May 14, 2020
Telemetry showed powershell.exe executing CopyFromScreen from
System.Drawing.dll. The event was correlated to a parent alert for
Bypass User Account Control of control.exe spawning
powershell.exe.
Sysmon
  SELECT Payload
  FROM apt29Host f
  INNER JOIN (
      SELECT d.ProcessId, d.ParentProcessId
      FROM apt29Host d
      INNER JOIN (
        SELECT a.ProcessGuid, a.ParentProcessGuid
        FROM apt29Host a
        INNER JOIN (
          SELECT ProcessGuid
          FROM apt29Host
```

```
WHERE Channel = "Microsoft-Windows-Sysmon/Operat
              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/Operat
          AND a.EventID = 1
          AND a.IntegrityLevel = "High"
      ) c
      ON d.ParentProcessGuid= c.ProcessGuid
      WHERE d.Channel = "Microsoft-Windows-Sysmon/Operation
        AND d.EventID = 1
        AND d.Image LIKE '%powershell.exe'
  ) e
  ON f.ExecutionProcessID = e.ProcessId
  WHERE f.Channel = "Microsoft-Windows-PowerShell/Operatic
  AND f.EventID = 4103
  AND LOWER(f.Payload) LIKE "%copyfromscreen%"
Results
                                                      ſŪ
  CommandInvocation(Start-Job): "Start-Job"
  ParameterBinding(Start-Job): name="Name"; value="Serechs
  ParameterBinding(Start-Job): name="ScriptBlock"; value="
          Write-Host "`nJobPID`n----`n$PID"
          while($true){
              $RandomFileName = [System.IO.Path]::GetRando
              $Filepath="$env:USERPROFILE\Downloads\$Rando
              Add-Type -AssemblyName System.Windows.Forms;
              Add-type -AssemblyName System.Drawing;
              $Screen = [System.Windows.Forms.SystemInform
              $Width = $Screen.Width;
              $Height = $Screen.Height;
              $Left = $Screen.Left;
              $Top = $Screen.Top;
              $bitmap = New-Object System.Drawing.Bitmap $
              $graphic = [System.Drawing.Graphics]::FromIm
              $graphic.CopyFromScreen($Left, $Top, 0, 0, $
              $bitmap.Save($Filepath);
```



Cyb3rWard0g commented on May 14, 2020

Start-Sleep -Seconds

Contributor Author

Security Logs + PowerShell Logs

```
Q
SELECT Payload
FROM apt29Host f
INNER JOIN (
    SELECT split(d.NewProcessId, '0x')[1] as NewProcessI
    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.ex
      ) 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/Operatio"
AND f.EventID = 4103
AND LOWER(f.Payload) LIKE "%copyfromscreen%"
```



```
Cyb3rWard0g commented on May 14, 2020

7.A.2 Clipboard Data

Procedure: Captured clipboard contents using PowerShell Criteria: powershell.exe executing Get-Clipboard

Sysmon + PowerShell Logs

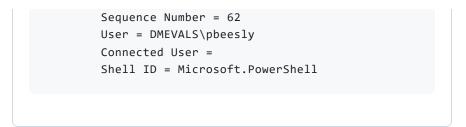
SELECT Message FROM apt29Host f
```

```
INNER JOIN (
    SELECT d.ProcessId, d.ParentProcessId
    FROM apt29Host d
    INNER JOIN (
      SELECT a.ProcessGuid, a.ParentProcessGuid
      FROM apt29Host a
      INNER JOIN (
        SELECT ProcessGuid
        FROM apt29Host
        WHERE Channel = "Microsoft-Windows-Sysmon/Operat
            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/Operat
        AND a.EventID = 1
        AND a.IntegrityLevel = "High"
    ) c
    ON d.ParentProcessGuid= c.ProcessGuid
    WHERE d.Channel = "Microsoft-Windows-Sysmon/Operation"
      AND d.EventID = 1
      AND d.Image LIKE '%powershell.exe'
) e
ON f.ExecutionProcessID = e.ProcessId
WHERE f.Channel = "Microsoft-Windows-PowerShell/Operatio")
AND f.EventID = 4103
AND LOWER(f.Payload) LIKE "%get-clipboard%"
```

Results

```
CommandInvocation(Get-Clipboard): "Get-Clipboard"
Context:
        Severity = Informational
        Host Name = ConsoleHost
        Host Version = 5.1.18362.628
        Host ID = b802b425-c255-486e-81a2-6d10f7563af8
        Host Application = powershell.exe
        Engine Version = 5.1.18362.628
        Runspace ID = f703f141-62e0-4a88-967c-42505edb0c
        Pipeline ID = 21
        Command Name = Get-Clipboard
        Command Type = Cmdlet
        Script Name =
        Command Path =
        Sequence Number = 62
        User = DMEVALS\pbeesly
        Connected User =
        Shell ID = Microsoft.PowerShell
```

```
Security + PowerShell Logs
                                                      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'
  ON LOWER(hex(f.ExecutionProcessID)) = e.NewProcessId
  WHERE f.Channel = "Microsoft-Windows-PowerShell/Operation"
  AND f.EventID = 4103
  AND LOWER(f.Payload) LIKE "%get-clipboard%"
Results
  CommandInvocation(Get-Clipboard): "Get-Clipboard"
  Context:
          Severity = Informational
          Host Name = ConsoleHost
          Host Version = 5.1.18362.628
          Host ID = b802b425-c255-486e-81a2-6d10f7563af8
          Host Application = powershell.exe
          Engine Version = 5.1.18362.628
          Runspace ID = f703f141-62e0-4a88-967c-42505edb0c
          Pipeline ID = 21
          Command Name = Get-Clipboard
          Command Type = Cmdlet
          Script Name =
          Command Path =
```





Cyb3rWard0g commented on May 14, 2020

Contributor Author ...

7.A.3 Input Capture

Procedure: Captured user keystrokes using the GetAsyncKeyState API

Criteria: powershell.exe executing the GetAsyncKeyState API

Sign up for free

to join this conversation on GitHub. Already have an

account? Sign in to comment

Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information



© 2024 GitHub, Inc.