



SystemBC, PowerShell version

Jason Reaves :: 3/4/2022

By: Jason Reaves and Joshua Platt

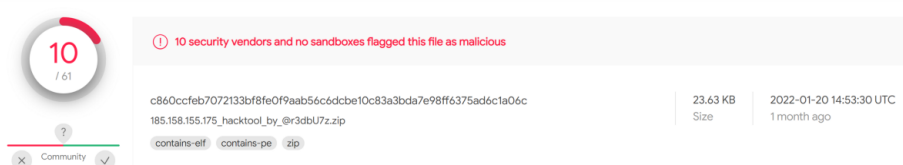
Some of the most effective malware leveraged over the past few years against enterprise environments has incorporated scripting. AV detections for script based malware have historically lagged behind those of binary based detections. The SystemBC Malware-as-a-Service we previously outlined[1], has been leveraged by prolific crimeware groups involved in ransomware operations against enterprises[1,3,4,5] for a while now. Earlier this year a researcher on twitter[2] found and uploaded a copy of an open directory containing a SystemBC package containing the elements of a SystemBC package along with an interesting powershell file:

Index of /

<u>Name</u>	<u>Last modified</u>	<u>Size</u>	<u>Description</u>
 dll/	2021-11-19 02:18	-	
 install.txt	2021-08-17 03:56	4.0K	
 server.exe	2021-11-19 02:18	23K	
 server.out	2021-11-19 02:18	14K	
 socks.out	2021-11-19 02:18	6.7K	
 socks5.ps1	2021-11-29 10:33	14K	
 systembc/	2020-05-23 11:38	-	

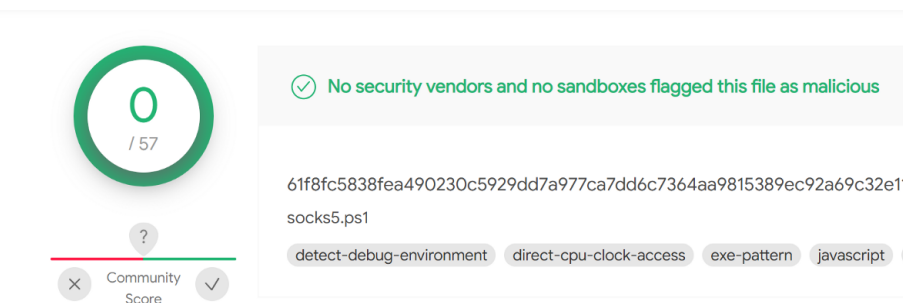
Apache/2.4.41 (Ubuntu) Server at 185.158.155.175 Port 80

The uploaded packaged can be found on VirusTotal:



Ref:

The PowerShell script 'socks5.ps1' has no detections:



Ref:

185.61.138.59172.106.86.12sweetcloud.linkasdfghjkl.hostbitdesk.onlineordercouldhost.comhcwaketentx2.cor
socat01.xyztvtmhltd.org5.132.191.105185.215.113.78179.43.178.96protoukt.comsocksbwfwjfhofnbu.onionadmex1
correios.com188.212.22.165arbetfrolli.pwreserveupdate.comstatistiktrafiktrubest.nettbueguicsrwo64i7.onic
networking.com74.125.46.143109.201.140.54verguliosar.comxxxxxtnuhffpbep.onion185.193.91.23437.49.229.1:
server.comtik-
tak.clubjjj.rop.devbljxljg4h4yuxkju.onion45.141.87.6063bwf6zdrgrmagpt.onion92.63.197.143fragrant.digitai
socks.cc139.60.161.5823hfdne.xyzbrabulco.ac.ug80.233.248.1094renewdmn.biz5.206.224.199ncordercreatetest
tak-super-
puper.xyz135.181.37.14493.187.129.249185.197.74.2271ism.comscserv1.infos.avluboy.xyz217.8.117.65149.28
records.life185.191.32.191aitchchewcdn.online176.111.174.63ns1.vic.au.dns.opennic.gluejoiasbella.com.br
lab.comjlayxnzzin5y335h.onionzghiexdgwfzi44b5.onion84.38.129.162masonksmith.tech46.166.176.24737.1.204.9
socat01.com45.153.186.2435.79.124.201fhaaaggs.ml176.123.8.226217.8.117.42adobeupd.hosthuxere.xyz37.1.220

Detections

Endpoint:

Run key: "HKCU:\SOFTWARE\Microsoft\Windows\CurrentVersion\Run" - socks5_powershell

Network:

```
alert tcp $HOME_NET any -> $EXTERNAL_NET any ( msg:"SystemBC Powershell bot  
registration"; dsize:100; content: "|00 01 02 03 04 05 06 07 08 09 0a 0b 0c 0d 0e 0f  
10 11 12 13 14 15 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25 26 27 28 29 2a 2b 2c  
2d 2e 2f 30 31|"; offset: 0; depth: 50; classtype:trojan-activity; sid:9000011;  
rev:1;)
```

References

- 1: <https://medium.com/walmartglobaltech/inside-the-systembc-malware-as-a-service-9aa03afd09c6>
- 2: <https://twitter.com/r3dbU7z>
- 3: <https://news.sophos.com/en-us/2020/10/14/inside-a-new-ryuk-ransomware-attack/>
- 4: https://twitter.com/vk_intel/status/1234891766924484609?lang=en
- 5: <https://blogs.blackberry.com/en/2021/06/threat-thursday-systembc-a-rat-in-the-pipeline>