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- ThreatBook extracted samples, IPS, and TIP, API, OneDNS, activity and group

analysis of related intelligence detection. TDP, detection of this attack



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Details

On June 20, 2022, attacker pretended target person to download

as follows. The defense to induce the

The downloaded files. The bait files in the office causes the

and malicious Ink use environment of

According to the malware, we also found attack on the early stage of the Pyeong Chang Peace Forum in February 2022 by APT-C-60. The bait file used is as follows.

desktop-iag9k61,

In the two attacks, the bitbucket.org site used for payload hosting and file uploading included user IDs: grand9_neat, Miravos, sorakas. Storage files related to the current attack have been deleted.

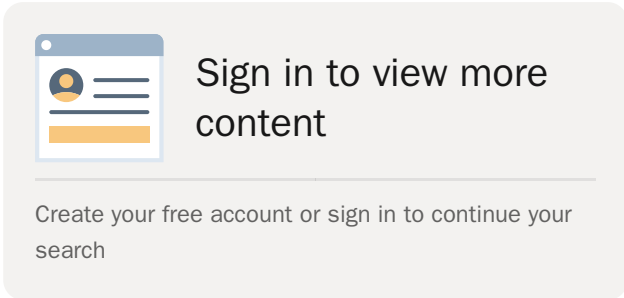
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Sample Analysis

The payload executed by the downloaded compressed file consists of three parts: Lnk file with remote information acquisition (TaskController.dll) which is used to analyze sections are to analyze



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Malware Lnk

Taking "Online questions" as an example, the

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The command-line of Lnk file is as follows. Call mshta to execute remote javascript.

Javascript resource jumps through the html index code.

Obfuscated javascript code after the jump is as follows.


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By jacking the COM...
00C04FD706EC, the...
bound to the service...
scheduled tasks, an...

D-A3A5-...
The CLSID is...
ated to Windows...
os starts.



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mssysmon.db

Taking "mssysmon.c...
follows.

rmation is as

_____ or _____

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Analyze the landing...
provided by tdstart...
running by creating...

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re function is...
the unique instance...
76B6".

Decrypt the C&C configuration, which contains multiple URL address. The Trojan heartbeat interval is 6 hours.

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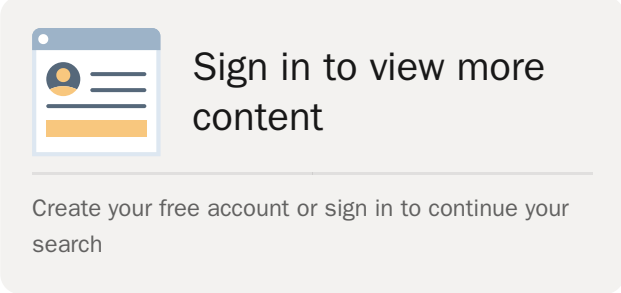
Traverse c:\Program Files\ directory, acquire file directory information, and send it to the C&C server. C&C server IP: <http://162.222.214.100>
<https://c.statcounter.com/4076212/0/>

Traverse the %AppData%\ directory, load msiobj.dll file. The download address is <http://185.207.206.100>
<https://bitbucket.org/185207206100/>
<https://bitbucket.org/185207206100/>

The loading logic in msiobj.dll. Rename the downloaded file to msiobj0.dll!ExtFuncts.mui file.

TaskControler.dll

Taking "TaskControler.dll" as an example to analyze, the sample information is as follows.



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Traverse the .mui file and load it again. The loading logic in msiobj.dll is as follows. Rename the downloaded file to msiobj0.dll!ExtFuncts.mui file, and then load and delete the file.

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for the encryption and decryption of the communication field in the subsequent C&C communication.

Before running the Trojan, the attacker sets the environment variable "9ABKD3409ABAC..."

Open the %AppData%\Roaming\Microsoft\Windows\Start Menu\Programs\LinkedIn directory. If it does not exist, create it.

After that, the Trojan copies the Trojan file to the %AppData%\Roaming\Microsoft\Windows\Start Menu\Programs\LinkedIn directory, and runs the attack payload in the background.

Decrypt C&C 160.20... to obtain the internet IP. Acquire information of host and user into the core Trojan work logic. When it is detected and judged that the system has been started for more than 6 hours, the main thread is to go online with C&C, set a ten-minute heartbeat interval, and schedule working thread by event object signals.

The working thread is composed of five independent threads which respectively complete the corresponding functions: task request, result feedback, screen

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partially parsed as follows.

There are also post "c001=*&c002=*&c003=*&c004=*", which represents a file downloading action and file uploading.

In the file uploading files and file content are converted to decimal strings; the file name is also converted to decimal strings.

By parsing C&C commands such as file directory listing, file downloading, screenshot capturing, and cmd shell.



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The full RAT parsing is as follows.

Support encrypted file download. The download file landing path is temp%\wcts66889.tmp, which needs to be decrypted by AES. AES128 key={21 A4


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Association Analysis

This sample is basic... the previous APT-C-... same as the historic... communication pro... time analysis of the... payload traversal lo... "%AppData%\Roami... credible to attribute



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... landing payload in... ntroller.dll is the... e code behavior and... e historical attack... onent directory and... "extension",... e, it is more

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Appendix - IOC

C2

131.226.4.22:80

160.20.147.118:80

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URL

http://185.145.97.

http://131.226.4.2

http://162.222.214

http://185.145.97.

http://185.145.97.

http://185.145.97.

http://185.207.206

http://82.221.129.

http://82.221.129.

http://82.221.136.

https://160.20.147

https://160.20.147

https://bitbucket.org/grand9_neat/well/downloads/19132.bmp


https://bitbucket.org/grand9_neat/well/downloads/19164.bmp

https://bitbucket.org:443/grand9_neat/well/downloads/19164.bmp

https://bitbucket.org/miravos/style/downloads/1932.bmp

https://bitbucket.org/miravos/style/downloads/1964.bmp

https://bitbucket.org/sorakas/mod/downloads/1932.bmp



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2/command.asp

2/result.asp


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Hash

13f09fd98259e663
266ee1b357cad72
74b34adf28552f38
7c4fb90eeb997555
7ec34297e0c4e5b
92912bfb10b4759
9bb60e54c09934c
a995f4e4e5bec985
b2dd50760765abf
bc879fe3e928ca9c
bffacbb0b54a3b1d
dbc1754de49824d
e869e82a9f44d81
edec420761cd95b
ee862a3d57e45a2
f50cd82717837a5

ae57ed09c77
0d813c22b3009
b891e7740ad91
c4ac50ffd906
271544f87244e0
db642457328da
4519025d1f9b0
30bedef5e74f6
bc4390c30a26fc
b312cf9f7dd04
0f7b63ba4fa4
cfc6f450c2c0e4
86726ab22c500
3e0cb1fa4cf84
f0819cc7496664
0ae90fb37e01

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File Path

%appdata%\Microsoft\Vault\UserProfileRoamings\
%appdata%\Microsoft\Vault\
%appdata%\Microsoft\Internet Explorer\UserData\
%AppData%\Microsoft\HTML Help\
%AppData%\Microsoft\HTML Help\


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First-ever Gartner®
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Alerts to Action: N
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