

Threat Roundup for February 4 to February 11

By William Largent

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Today, Talos is publishing a glimpse into the most prevalent threats we've observed between Feb. 4 and Feb. 11. As with previous roundups, this post isn't meant to be an in-depth analysis. Instead, this post will summarize the threats we've observed by highlighting key behavioral characteristics, indicators of compromise, and discussing how our customers are automatically protected from these threats.

As a reminder, the information provided for the following threats in this post is non-exhaustive and current as of the date of publication. Additionally, please keep in mind that IOC searching is only one part of threat hunting. Spotting a single IOC does not necessarily indicate maliciousness. Detection and coverage for the following threats is subject to updates, pending additional threat or vulnerability analysis. For the most current information, please refer to your Firepower Management Center, [Snort.org](https://www.snort.org), or [ClamAV.net](https://clamav.net).

For each threat described below, this blog post only lists 25 of the associated file hashes and up to 25 IOCs for each category. An accompanying JSON file can be found [here](#) that includes the complete list of file hashes, as well as all other IOCs from this post. A visual depiction of the MITRE ATT&CK techniques associated with each threat is also shown. In these images, the brightness of the technique indicates how prevalent it is across all threat files where dynamic analysis was conducted. There are five distinct shades that are used, with the darkest indicating that no files exhibited technique behavior and the brightest indicating that technique behavior was observed from 75 percent or more of the files.

The most prevalent threats highlighted in this roundup are:

Threat Name	Type	Description
Win.Malware.TinyBanker-9938313-1	Malware	TinyBanker, also known as Zusy or Tinba, is a trojan that uses man-in-the-middle attacks to steal banking information. When executed, it injects itself into legitimate Windows processes such as "explorer.exe" and "winver.exe". When the user accesses a banking website, it displays a form to trick the user into submitting personal information.
Win.Packed.Tofsee-9938395-0	Packed	Tofsee is multi-purpose malware that features a number of modules used to carry out various activities such as sending spam messages, conducting click fraud, mining cryptocurrency, and more. Infected systems become part of the Tofsee spam botnet and are used to send large volumes of spam messages in an effort to infect additional systems and increase the size of the botnet under the operator's control.

Threat Name	Type	Description
Win.Dropper.Lokibot-9938416-1	Dropper	Lokibot is an information-stealing malware designed to siphon off sensitive information stored on an infected device. It is modular in nature, supporting the ability to steal sensitive information from a number of popular applications. It is commonly pushed via malicious documents delivered via spam emails.
Win.Virus.Xpiro-9938457-1	Virus	Expiro is a known file infector and information-stealer that hinders analysis with anti-debugging and anti-analysis tricks.
Win.Dropper.DarkComet-9938488-1	Dropper	DarkComet and related variants are a family of remote access trojans designed to provide an attacker with control over an infected system. Capabilities of this malware include the ability to download files from a user's machine, mechanisms for persistence and hiding, and the ability to send back usernames and passwords from the infected system.
Win.Worm.Gh0stRAT-9938500-1	Worm	Gh0stRAT is a well-known family of remote access trojans that can provide an attacker with complete control over an infected system. Its capabilities include monitoring keystrokes, collecting video footage from the webcam, and uploading/executing follow-on malware. The source code for Gh0stRAT has been publicly available on the internet for years, significantly lowering the barrier for actors to modify and reuse the code in new attacks.
Win.Malware.Zbot-9938525-0	Malware	Zbot, also known as Zeus, is a trojan that steals information, such as banking credentials, using methods such as key-logging and form-grabbing.

Threat Breakdown

Win.Malware.TinyBanker-9938313-1

Indicators of Compromise

- IOCs collected from dynamic analysis of 119 samples

Registry Keys	Occurrences
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: EEFEB657	107

Mutexes	Occurrences
EEFEB657	111
4A60888F	4
IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
216[.]218[.]185[.]162	54
Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
qytufpscigbb[.]com	41
qytufpscigbb[.]net	41
qytufpscigbb[.]in	40
ghoyvkjbnldc[.]com	39
wpad[.]example[.]org	37
ghoyvkjbnldc[.]net	37
ghoyvkjbnldc[.]in	37
mqrvhcolvvnu[.]net	36
computer[.]example[.]org	35
qytufpscigbb[.]ru	34
mqrvhcolvvnu[.]in	34
brureservtestot[.]cc	33
fettlijyycee[.]com	33
fettlijyycee[.]net	33
mqrvhcolvvnu[.]com	31
fettlijyycee[.]in	31
ibyxedcowwot[.]com	29
hkleofepnyvv[.]com	29
ibyxedcowwot[.]in	29
mqrvhcolvvnu[.]ru	28

Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
ibyxedcowwot[.]net	28
fettlijyycee[.]ru	28
hkleofepnyvv[.]in	27
dtdqmlwwekt[.]in	26
mmnskehrbbbs[.]in	26

*See JSON for more IOCs

Files and or directories created	Occurrences
%HOMEPATH%\AppData\LocalLow\EEFEB657	107
%APPDATA%\EEFEB657	107
%APPDATA%\EEFEB657\bin.exe	107
%APPDATA%\4A60888F\bin.exe	4
\Users\user\AppData\Roaming\C085EE96\bin.exe	1
\Users\user\AppData\Roaming\F9D340E9\bin.exe	1
\Users\user\AppData\Roaming\EFEA19B1\bin.exe	1
\Users\user\AppData\Roaming\FCD59BF4\bin.exe	1
\Users\user\AppData\Roaming\FE7CEA4A\bin.exe	1
\Users\user\AppData\Roaming\29EEFF67\bin.exe	1
\Users\user\AppData\Roaming\3B8456CD\bin.exe	1
\Users\user\AppData\Roaming\ACF7EE57\bin.exe	1
\Users\user\AppData\Roaming\382240CB\bin.exe	1
\Users\user\AppData\Roaming\F87C9831\bin.exe	1
\Users\user\AppData\Roaming\F21AB61D\bin.exe	1
\Users\user\AppData\Roaming\D9419169\bin.exe	1
\Users\user\AppData\Roaming\01ACD167\bin.exe	1
\Users\user\AppData\Roaming\4DD60A79\bin.exe	1

Files and or directories created	Occurrences
\Users\user\AppData\Roaming\E409BE83\bin.exe	1
\Users\user\AppData\Roaming\E607047A\bin.exe	1
\Users\user\AppData\Roaming\BF0913D3\bin.exe	1
\Users\user\AppData\Roaming\1620527C\bin.exe	1
\Users\user\AppData\Roaming\367B3C67\bin.exe	1
\Users\user\AppData\Roaming\D515B45E\bin.exe	1
\Users\user\AppData\Roaming\2DEACB61\bin.exe	1

*See JSON for more IOCs

File Hashes

```

0034645eddc03469720eaadad078584ee871013511e489552b352650dcd1452
00dd160455b6c2a2d378b578405fadf2e9ebf41c3bc0d2d8e8b8c1e93edc4fa3
011e5701074d070f99ac9b9a8992fa24cbe65fa2e4da686e2c4fa3937d9a9132
02b65a12e159d1dd4e18179abc7caf8c5b989883f549ef07c8a12b7d0d6e2b71
03722d9c722f738e87584f9883eca1e109e86a1c87aa164e77ebdaf0697467b8
03d14614eaba728899b58b5cdfc397f30ce9277e78becc3730ab3ed3e86dd44d
05728b20dad685fff4a3f1d7beb42d8fe752b07b36c934653dc6d692f60ca160
0661307f542de2bd0120160bcb7f42fd27575e15669ba7d944d56947ecce4bc
06a8d19314d2f384b3b828db1e7126331797eca14425d377522fc4cebeaeeb65
06e2e8f718f6d8c1b4003d58f50efc68eed8c765f3bfd6db0f312ded0a1815d8
071cb899230183b1eb523e61811e4fb5e6f7dc002b4db4e62384c6c966623c59
07635d904e831a15fc0e2a0faa44891fbce5c53d2da8de9ace8cd13479d7857b
07fa8f9c52147408c3c7ee9b3c04ca2ebbd3cc44f71656d66785f5496c585ae5
08c7d389611e871e4f033af78e2652961a86bcc41ec32226ebc19d7b7b032c9a
09110e30e6b4aeb824c3c3de6b0fc06a98bdab4367e01a7023eb76cd6126b22e
0940189172d8b8e10f64400f57c782d2fad7a76d4993f7c14f0f9010368e8cd3
0a1f8665ed21bd45f0510b4f78f27309e46c0253fbed7961ab70ef7b53fe7487
0a6a500871f751981541692277c1a323945e87e9b2a7b0f4846349979b135a08
0a77fe5654e52c9776a65f639625da92740b334a280a8147dca07e747876197b
0b29cea80ce0bde3c99a5beaa1a472d462a024cb5e8daebf6e8997f878243d12
0bc5badfffd8b74ec1d18307a760af530c7741597ab177c02ec7eb4daf8e6d49
0bd104bc98f4a3b976f49209c5de1094142652a20bab6d914c4622969f57d567
0e003fd1947b3ff94be1f939c060c7d41fec727367d7a56c7ff8c53b6e80532b
0e348a3691c2df9a451c4f1227c04351542a0d9540ff4ad929f8793e77f39078
0e5079d5f217e79fe4fa06fb5181e656f77ac6e939cf006d5321edbcbaed28b
    
```

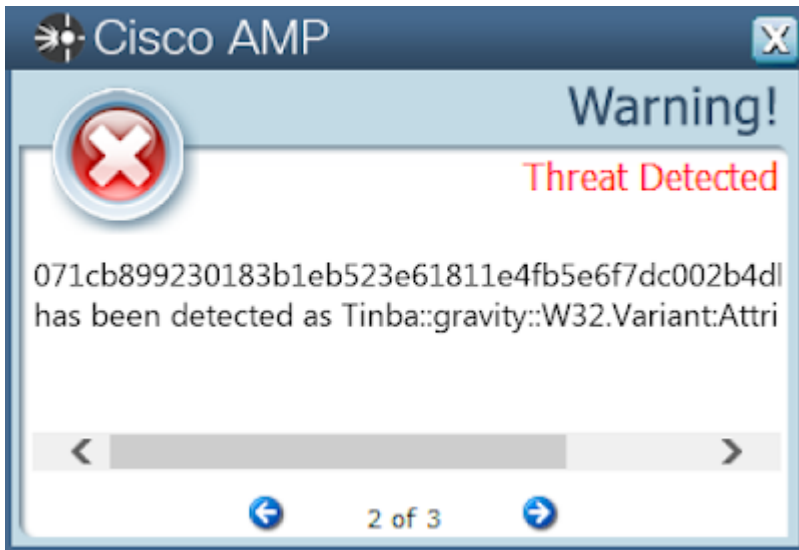
*See JSON for more IOCs

Coverage

Product	Protection
Secure Endpoint	✓
Cloudlock	N/A
CWS	✓
Email Security	✓
Network Security	✓
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	✓
WSA	✓

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

Registry Keys	Occurrences
<HKCR>\LOCAL SETTINGS\SOFTWARE\MICROSOFT\WINDOWS\SHELL\BAGS\159	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><="" matching="" td=""> <td>12</td> </random,>	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: Type	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: Start	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: ErrorControl	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: DisplayName	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: WOW64	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: ObjectName	12
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: Description	12
<HKU>\.DEFAULT\CONTROL PANEL\BUSES Value Name: Config4	11
<HKU>\.DEFAULT\CONTROL PANEL\BUSES	11
<HKU>\.DEFAULT\CONTROL PANEL\BUSES Value Name: Config0	11
<HKU>\.DEFAULT\CONTROL PANEL\BUSES Value Name: Config1	11
<HKU>\.DEFAULT\CONTROL PANEL\BUSES Value Name: Config2	11
<HKU>\.DEFAULT\CONTROL PANEL\BUSES Value Name: Config3	11
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\ <random, '[a-z0-9]{8}'><br="" matching=""></random,> Value Name: ImagePath	11
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\nqeybyka	2

Registry Keys	Occurrences
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\jmauxugw	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\knbvvyvhx	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\zcqknkwm	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\mpdxaxjz	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\ehvpspbr	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\uxlfifrh	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\ilzttwfv	1
<HKLM>\SOFTWARE\MICROSOFT\WINDOWS DEFENDER\EXCLUSIONS\PATHS Value Name: C:\Windows\SysWOW64\xaoliuk	1
IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
91[.]243[.]33[.]5	11
35[.]228[.]103[.]145	11
67[.]231[.]149[.]140	10
192[.]0[.]47[.]59	10
211[.]231[.]108[.]46/31	10
157[.]240[.]229[.]174	10
202[.]137[.]234[.]30	9
125[.]209[.]238[.]100	9
212[.]77[.]101[.]4	9
67[.]195[.]204[.]72/30	9
117[.]53[.]116[.]15	9

IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
209[.]222[.]82[.]252/31	9
84[.]2[.]43[.]64/31	9
208[.]76[.]51[.]51	8
216[.]146[.]35[.]35	8
64[.]98[.]36[.]4	8
103[.]224[.]212[.]34	8
216[.]163[.]188[.]54	8
193[.]222[.]135[.]150	8
193[.]0[.]6[.]135	8
45[.]33[.]83[.]75	8
51[.]81[.]57[.]58	8
40[.]93[.]207[.]0/31	8
62[.]141[.]42[.]208	8
96[.]103[.]145[.]165	8

*See JSON for more IOCs

Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
microsoft-com[.]mail[.]protection[.]outlook[.]com	12
microsoft[.]com	12
patmushta[.]info	12
249[.]5[.]55[.]69[.]bl[.]spamcop[.]net	11
249[.]5[.]55[.]69[.]cbl[.]abuseat[.]org	11
249[.]5[.]55[.]69[.]dnsbl[.]sorbs[.]net	11
249[.]5[.]55[.]69[.]in-addr[.]arpa	11
249[.]5[.]55[.]69[.]sbl-xbl[.]spamhaus[.]org	11
249[.]5[.]55[.]69[.]zen[.]spamhaus[.]org	11

Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
www[.]google[.]com	11
whois[.]arin[.]net	11
whois[.]iana[.]org	11
aspmx[.]l[.]google[.]com	11
mail[.]mailerhost[.]net	11
fastpool[.]xyz	11
www[.]instagram[.]com	10
ianawhois[.]vip[.]icann[.]org	10
mx01[.]oxsus-vadesecure[.]net	10
mail[.]h-email[.]net	10
mx0a-00191d01[.]pphosted[.]com	10
smtp[.]yopmail[.]com	10
mx1[.]naver[.]com	9
mx1[.]seznam[.]cz	9
bellsouth[.]com	9
naver[.]com	9

*See JSON for more IOCs

Files and or directories created	Occurrences
%SystemRoot%\SysWOW64\<random, matching '[a-z]{8}'>	12
%SystemRoot%\SysWOW64\config\systemprofile	11
%SystemRoot%\SysWOW64\config\systemprofile:.repos	11
%System32%\config\systemprofile:.repos	11
%TEMP%\<random, matching '[a-z]{8}'>.exe	11
%TEMP%\zwqprzv.exe	1
\Users\user\AppData\Local\Temp\lkdyrgak.exe	1

Files and or directories created	Occurrences
\Users\user\AppData\Local\Temp\wrnysiik.exe	1
\Users\user\AppData\Local\Temp\evrkqnr.exe	1
\Users\user\AppData\Local\Temp\hgrwjijsw.exe	1
\Users\user\AppData\Local\Temp\tpuuwzks.exe	1
\Users\user\AppData\Local\Temp\khbackg.exe	1
\Users\user\AppData\Local\Temp\wsxxzcnv.exe	1
\Users\user\AppData\Local\Temp\ksvvedjb.exe	1
\Users\user\AppData\Local\Temp\awbbdgrz.exe	1
\Users\user\AppData\Local\Temp\utivytuo.exe	1
\Users\user\AppData\Local\Temp\qnhgicm.exe	1
\Users\user\AppData\Local\Temp\ongbujdn.exe	1

File Hashes

15d120755f8a25be6ec7d68e2c055ce49ab1b24a6690016cbb870328f4745adc
 232028b9007937cea100813b5caa870924dcf692dfc4368e2ff33771170c08a1
 2aeb63ca3ce4ba5832ea9aca3a3bddf658a04e124a8903e97d8ae53eba9c7b98
 40c2ad4b954b53a0a134c295428523b08d7e282025c681702b007a462eb6693a
 5e8e7b26b5156591b4c29848b94f79f3d9812305de4503addf02355eb92894
 8acb035dd8d1eae5f5053188170e7c6820ad7439eb70e0d32ca1f88e1535af82d
 aa4cb6e59d3cbca2cb5b3c0e0e1b1775fba530a0769e3cc105c381f98c1497e8
 aa89986881a9c81bba26925326056c5e1c26de85288f3217a956bd2ca466cde2
 add6a8419c9332e0e6052b2c60fa6915220f6402f13e478d851b92dc6ca413cd
 dfaef1fdf4987beca57098f688530ada6262f481ded1950f6ed7871f5050afe5
 f78b5562d7a9acf27d4197eab873648e624bc0d081bf0505ef3d0ad2ea33d415
 ff7190ae3095aa0d19caa1843f8a4d36406664872f4026fe34267d84d9f92b7e

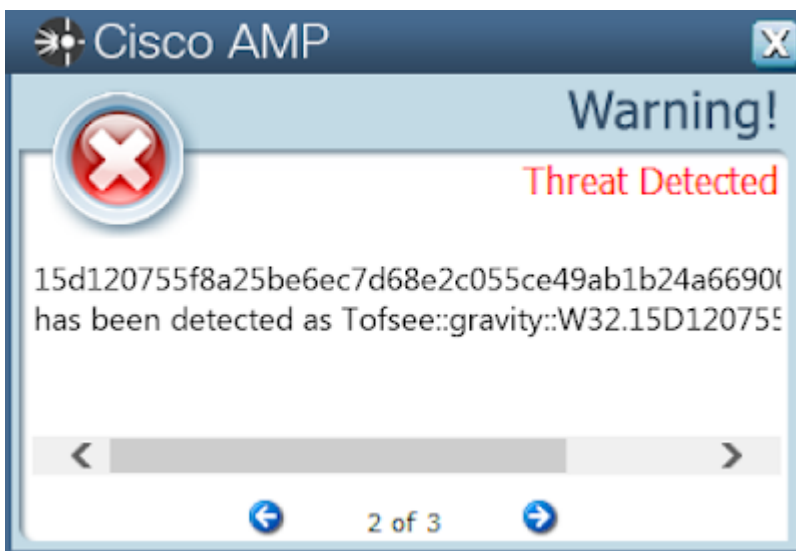
Coverage

Product	Protection
Secure Endpoint	✓
Cloudlock	N/A
CWS	✓

Product	Protection
Email Security	✓
Network Security	✓
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	✓
WSA	✓

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

Indicators of Compromise

- IOCs collected from dynamic analysis of 15 samples

Registry Keys	Occurrences
<HKCR>\LOCAL_SETTINGS\SOFTWARE\MICROSOFT\WINDOWS\SHELL\BAGS\159	15
<HKCU>\SOFTWARE\WINRAR	1
<HKCU>\SOFTWARE\WINRAR Value Name: HWID	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 076c8cd6b128aff0be52736591e26777d73497ff0b36a2f5ee9966ca051adf43.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: c02f78ea73a8f86ab721800af6bf9be1ba182a779a2b55fb7b583a1b79a63ce0.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: c081e8dc858925158f65aa758764781f07476edc4641dbbd1d3acdab4a590a87.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 43fbaf28a8db23ce81f85286b3316b6d3a352af0948bb58f01f7e929631f9740.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: c110ae946c48f8f26287c7163cd1557bc4ad83abb93e26c10b32df856fe5c72e.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 12cf795390f0849bce4b21f1987e7fbcc92f812accdbb1a297d00638ee3e0004.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: f8448219df30254002bdb8ccf5745b3f2156f25b1b48209d69a451dca03968f2.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 04f2512b1cbeeab43d96983222b5cfc15031481eed599ed39ecfca0fd05838f.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: ccdc34aa16b23192f0260b9c21529919f47c3b0e2e59034d512184b94267adc2.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 52864c84c299b950f3de76f8b8387d6ebda6726ded21d64a8ad565c25d4e4d52.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 17eb09a8fb7eae2aaa740a74234a75b47c072ca93a1b65cda00a175e25720c88.exe	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: c197343a6c7b1581b2d200e85869d7751b13549ff109b70ae5abd3b838fdea3a.exe	1

Registry Keys	Occurrences
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: daf3e154beeb32370cf0a5cda571b3a84959a53da4c530a77696ecd1c24ab485.exe	1
<HKLM>\SAM\SAM\DOMAINS\ACCOUNT\USERS\000003E9 Value Name: F	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: 7d00f5ccb1d443866e2d25a96377ea39787b825cf5dcd099cead7baa630e98a0.exe	1
<HKLM>\SAM\SAM\DOMAINS\ACCOUNT\USERS\000001F5 Value Name: F	1
<HKLM>\SAM\SAM\DOMAINS\ACCOUNT\USERS\000003EC Value Name: F	1
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: b73f8d8838c450977a85ba646b98db3d556b0e78a33a7b0f5126d8e698d00ba2.exe	1
Mutexes	Occurrences
3749282D282E1E80C56CAE5A	14
3BA87BBD1CC40F3583D46680	8
IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
185[.]6[.]242[.]251	6
91[.]223[.]82[.]29	3
Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
nextlevlcourier[.]com	2
sharonbooks[.]ru	2
lidgeys[.]ru	2
dunysaki[.]ru	2
finelets[.]ru	2
kkeyvenus[.]ru	1
joanread[.]ru	1
topreadz[.]ru	1

Files and or directories created	Occurrences
%APPDATA%\Microsoft\Skype.exe	15
%APPDATA%\D282E1	14
%APPDATA%\D282E1\1E80C5.lck	14
%APPDATA%\Microsoft\Crypto\RSA\S-1-5-21-2580483871-590521980-3826313501-500\1a8ca4003deb042bbee7a40f15e1970b_d19ab989-a35f-4710-83df-7b2db7efe7c5	14
%APPDATA%\D1CC40\0F3583.hdb	8
%APPDATA%\D1CC40\0F3583.lck	8
%APPDATA%\Microsoft\Crypto\RSA\S-1-5-21-1258710499-2222286471-4214075941-500\1a8ca4003deb042bbee7a40f15e1970b_8f793a96-da80-4751-83f9-b23d8b735fb1	8
%APPDATA%\D1CC40\0F3583.exe (copy)	1
%TEMP%\105687.bat	1
%TEMP%\-1530491364.bat	1

File Hashes

```

04f2512b1cbeeab43d96983222b5cfc15031481eed599ed39ecfca0fd05838f
076c8cd6b128aff0be52736591e26777d73497ff0b36a2f5ee9966ca051adf43
12cf795390f0849bce4b21f1987e7fbcc92f812accdbb1a297d00638ee3e0004
17eb09a8fb7eae2aaa740a74234a75b47c072ca93a1b65cda00a175e25720c88
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c110ae946c48f8f26287c7163cd1557bc4ad83abb93e26c10b32df856fe5c72e
c197343a6c7b1581b2d200e85869d7751b13549ff109b70ae5abd3b838fdea3a
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f8448219df30254002bdb8ccf5745b3f2156f25b1b48209d69a451dca03968f2
    
```

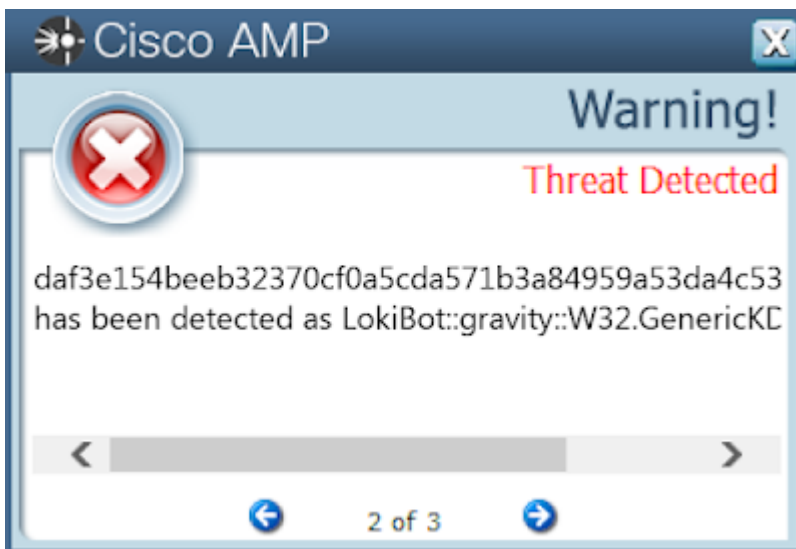
Coverage

Product	Protection
Secure Endpoint	✓

Product	Protection
Cloudlock	N/A
CWS	✓
Email Security	✓
Network Security	N/A
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	✓
WSA	✓

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

Indicators of Compromise

- IOCs collected from dynamic analysis of 29 samples

Registry Keys	Occurrences
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V2.0.50727_32 Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V2.0.50727_64 Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V4.0.30319_32 Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V4.0.30319_32 Value Name: Start	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V4.0.30319_64 Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V4.0.30319_64 Value Name: Start	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\COMSYSAPP Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\COMSYSAPP Value Name: Start	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\IEETWCOLLECTORSERVICE Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\IEETWCOLLECTORSERVICE Value Name: Start	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\MSISERVER Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\MSISERVER Value Name: Start	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\OSE Value Name: Type	28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\OSE Value Name: Start	28

Registry Keys		Occurrences
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\UI0DETECT Value Name: Type		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\UI0DETECT Value Name: Start		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\VDS Value Name: Type		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\VDS Value Name: Start		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\VSS Value Name: Type		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\VSS Value Name: Start		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\WMIAPSRV Value Name: Type		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\WMIAPSRV Value Name: Start		28
<HKLM>\SOFTWARE\WOW6432NODE\MICROSOFT\SECURITY CENTER\SVC\S-1-5-21-2580483871-590521980-3826313501-500		28
<HKLM>\SOFTWARE\WOW6432NODE\MICROSOFT\SECURITY CENTER\SVC\S-1-5-21-2580483871-590521980-3826313501-500 Value Name: EnableNotifications		28
<HKLM>\SYSTEM\CONTROLSET001\SERVICES\CLR_OPTIMIZATION_V2.0.50727_32 Value Name: Start		28
Mutexes	Occurrences	
kkq-vx_mtx63	28	
kkq-vx_mtx64	28	
kkq-vx_mtx65	28	
kkq-vx_mtx66	28	
kkq-vx_mtx67	28	
kkq-vx_mtx68	28	

Mutexes	Occurrences
kkq-vx_mtx69	28
kkq-vx_mtx70	28
kkq-vx_mtx71	28
kkq-vx_mtx72	28
kkq-vx_mtx73	28
kkq-vx_mtx74	28
kkq-vx_mtx75	28
kkq-vx_mtx76	28
kkq-vx_mtx77	28
kkq-vx_mtx78	28
kkq-vx_mtx79	28
kkq-vx_mtx80	28
kkq-vx_mtx81	28
kkq-vx_mtx82	28
kkq-vx_mtx83	28
kkq-vx_mtx84	28
kkq-vx_mtx85	28
kkq-vx_mtx86	28
kkq-vx_mtx87	28

*See JSON for more IOCs

IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
69[.]16[.]231[.]59	16
64[.]70[.]19[.]203	14
35[.]205[.]61[.]67	11
208[.]100[.]26[.]245	10

IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
20[.]189[.]173[.]20/31	9
52[.]182[.]143[.]212	5
45[.]79[.]19[.]196	4
20[.]42[.]73[.]29	4
95[.]213[.]137[.]98	4
147[.]75[.]63[.]87	4
72[.]14[.]185[.]43	2
20[.]189[.]173[.]22	2
104[.]208[.]16[.]94	2
96[.]126[.]123[.]244	1
45[.]56[.]79[.]23	1
52[.]168[.]117[.]173	1
147[.]75[.]61[.]38	1
Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
wpad[.]example[.]org	27
computer[.]example[.]org	26
kgbrelaxclub[.]ru	18
clientconfig[.]passport[.]net	17
grewz-platker[.]ru	16
vmss-prod-weu[.]westeurope[.]cloudapp[.]azure[.]com	12
kasperskygay-formula[.]in	12
www[.]microavrc-usb33bit[.]com	12
fmyjo-boneb[.]com	12
fkegy-bikav[.]com	12
angar-promarenda[.]ru	12

Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
fdecub-ydyg[.]ru	12
fgefa-bugin[.]com	12
silcroadseEVERS[.]net	11
fethardanabiozdoviplat[.]com	11
bobamajopa2018[.]org	11
fpykyb-aquh[.]ru	10
vmss-prod-seas[.]southeastasia[.]cloudapp[.]azure[.]com	8
vmss-prod-eus[.]eastus[.]cloudapp[.]azure[.]com	8
zxspectrum4ever[.]in	8
directconnectionx[.]ws	8
www[.]indirs-lockit[.]ws	8
indir-connectx[.]ws	8
mpykyb-aquh[.]ru	8
mmyjo-boneb[.]com	8

*See JSON for more IOCs

Files and or directories created	Occurrences
%CommonProgramFiles(x86)%\microsoft shared\Source Engine\OSE.EXE	28
%ProgramFiles(x86)%\Microsoft Office\Office14\GROOVE.EXE	28
%ProgramFiles(x86)%\Mozilla Maintenance Service\maintenanceservice.exe	28
%SystemRoot%\Microsoft.NET\Framework64\v2.0.50727\mscorsvw.exe	28
%SystemRoot%\Microsoft.NET\Framework64\v4.0.30319\mscorsvw.exe	28
%SystemRoot%\Microsoft.NET\Framework\v2.0.50727\mscorsvw.exe	28
%SystemRoot%\Microsoft.NET\Framework\v4.0.30319\mscorsvw.exe	28
%System32%\FXSSVC.exe	28
%System32%\UI0Detect.exe	28

Files and or directories created	Occurrences
%System32%\VSSVC.exe	28
%System32%\alg.exe	28
%System32%\dllhost.exe	28
%System32%\ieetwcollector.exe	28
%System32%\msdtc.exe	28
%System32%\msiexec.exe	28
%System32%\snmptrap.exe	28
%System32%\sppsvc.exe	28
%System32%\vds.exe	28
%System32%\wbem\WmiApSrv.exe	28
%System32%\wbengine.exe	28
%SystemRoot%\ehome\ehsched.exe	28
%SystemRoot%\SysWOW64\dllhost.exe	28
%SystemRoot%\SysWOW64\msiexec.exe	28
%SystemRoot%\SysWOW64\svchost.exe	28
%SystemRoot%\SysWOW64\dllhost.vir	28

*See JSON for more IOCs

File Hashes

```

12d9d3d438f8cf5e2cf8d3918f8228cf05830cc126376a4e411a4f58b1fdb78b
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```

```
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b9ea1073ecae7096f10f296898fb02ba7e8b4cc1dbed70548d76c4ff028a55ac
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```

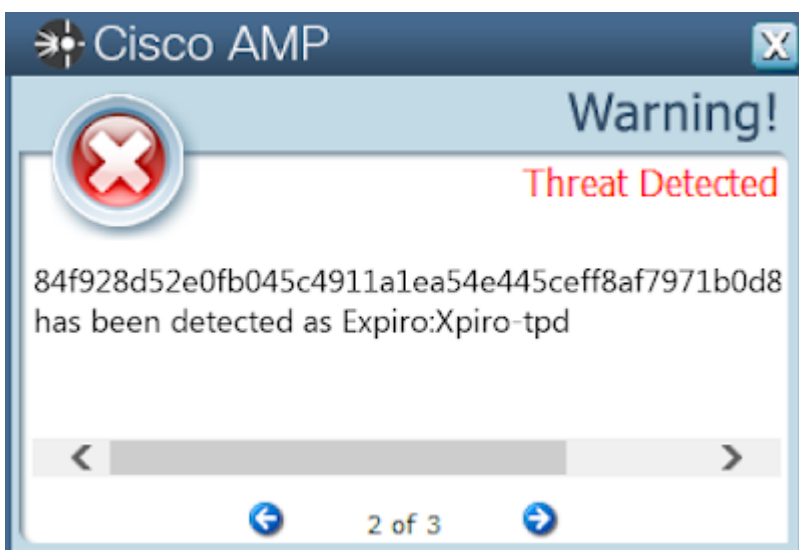
*See JSON for more IOCs

Coverage

Product	Protection
Secure Endpoint	✓
Cloudlock	N/A
CWS	✓
Email Security	✓
Network Security	N/A
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	✓
WSA	✓

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

	Title --	Categories	Tags	Score ▾
+	Xpiro Default Mutex Detected	data-theft	trojan, host, process, lo...	100
+	Artifact Flagged Malicious by Antivirus Service	antivirus	file, antivirus	95
+	Process Modified a File in a System Directory	dynamic-anomaly	executable, file, process	85
+	Artifact Flagged by Antivirus	antivirus	file	72
+	Process Modified a File in the Program Files Directory	dynamic-anomaly	executable, file, process	72
+	A Service Was Set To Never Autorun Via The Registry	persistence	process, registry, host	70
+	Static Analysis Flagged Artifact As Anti-Analysis	static-anomaly	anti-analysis, static	64
+	Process Modified an Executable File	dynamic-anomaly	executable, file, proces...	60
+	A Registry Service Key Type Value Was Modified	persistence	process, registry, host	50
+	Large Number of Logical Drives Enumeration	exhaustion	suspicious, threshold, d...	48
+	Static Analysis Flagged Artifact As Anomalous	static-anomaly	anomaly, static	48
+	Executable Artifact Imports Virtual Disk API DLL	static-anomaly	artifact, library, PE, virtu...	40
+	Executable Artifact Imports Tool Help Functions	static-anomaly	artifact, library, PE	35
+	Memory Block Allocation with Read/Write/Execute Permiss...	code-injection	memory	25
+	PE Checksum is Invalid	static-anomaly	attributes, checksum, PE	25
+	PE Has Sections Marked Executable and Writable	static-anomaly	file, attributes, anomaly	24
+	Executable Artifact Uses .NET	attribute	artifact, library, PE	21
+	Executable with Encrypted Sections	attribute	packer, crypter, encodi...	9
+	Executable Packed with VMProtect	attribute	packer, crypter, encodi...	9
+	Executable Imported the IsDebuggerPresent Symbol	information	process, artifact, static,...	4

MITRE ATT&CK

Registry Keys		Occurrences
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 1:03:02 AM		4
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 7:01:03 AM		4
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 7:02:01 AM		3
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 1:05:01 AM		2
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 1:04:01 AM		2
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 1:05:02 AM		1
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 1:04:09 AM		1
<HKCU>\SOFTWARE\DC3_FEXEC Value Name: 2/5/2022 at 1:04:03 AM		1
Mutexes	Occurrences	
DC_MUTEX-HMNSNR1	25	
RtkNGUI64	25	
Domain Names contacted by malware. Does not indicate maliciousness		Occurrences
moneybag123[.]myftp[.]biz		25
Files and or directories created		Occurrences
%APPDATA%\dclogs		25
%TEMP%\MSDCSC		25
%TEMP%\MSDCSC\msdcsc.exe		25
%HOMEPATH%\Gfxv2_0		25
%HOMEPATH%\Gfxv2_0\WindowsUpdateElevatedInstaller.exe		25
%TEMP%\MSDCSC\zVtZSjWSmT8T		25

Files and or directories created	Occurrences
%TEMP%\MSDCSC\zVtZSjWSmT8T\msdcsc.exe	25
%System32%\Tasks\BitLockerWizardElev	25
%TEMP%\MSDCSC\zVtZSjWSmT8T\zVtZSjWSmT8T	19
%TEMP%\MSDCSC\zVtZSjWSmT8T\zVtZSjWSmT8T\msdcsc.exe	19

File Hashes

```

00c4d334768f563cced2a243cf640c592149cec38044bb8792e49945a23ee61b
04b793b2cf5441a512f49044f12199110fbc24abd5300f6de5da21c95a1b118a
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2db522042954becd5b940edc0afbfc93f0039d3f4f775d4cfa45b7012587574e
33302b6dfc2b669df38aab7a4a7e74c512ce31ba3a5a9151aea435a86c36b738
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461031f7db840c45b1c0b6644d2f8772105d57785b94fda069a5fbf921879da5
4ffc3229a0db6972c70c80db3be8c93017a4163f2724c6edf300ce87ba49041b
611196f2e7768773cd724ec0f5b6bf602187e6bb5fc1ec59fe379b47c78e4fcc
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8545cb2dea3b9d29481431822352182261461e5d91d441109eb562c818d3ceff
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b5201f282c7e067e5dca7de945ed48805af74c9dae94ec3f83ff93c151f83c39
    
```

*See JSON for more IOCs

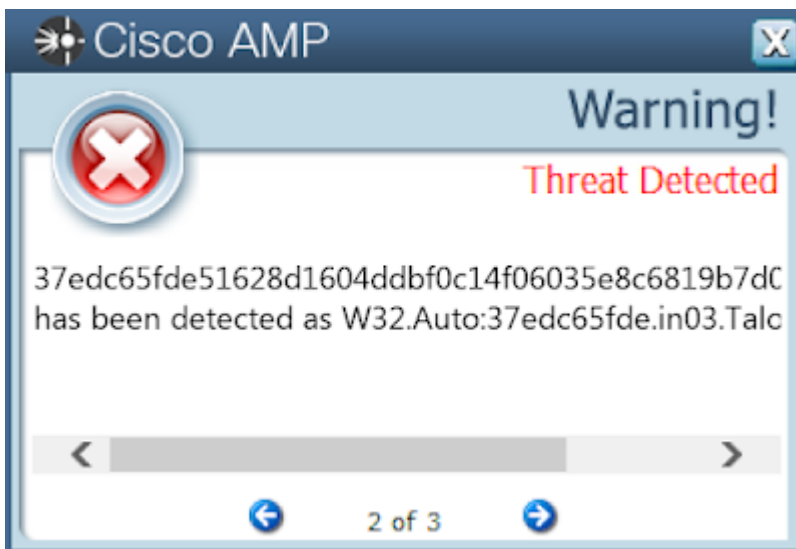
Coverage

Product	Protection
Secure Endpoint	✓

Product	Protection
Cloudlock	N/A
CWS	✓
Email Security	✓
Network Security	N/A
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	N/A
WSA	N/A

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

Indicators of Compromise

- IOCs collected from dynamic analysis of 26 samples

Registry Keys	Occurrences
<HKCR>\LOCAL_SETTINGS\SOFTWARE\MICROSOFT\WINDOWS\SHELL\BAGS\159	26
<HKCU>\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\RUN Value Name: dtfd	26
Mutexes	Occurrences
Mhost123.zz.am:6658	26
host123.zz.am:6658	26
IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
107[.]163[.]56[.]110	26
107[.]160[.]131[.]253	26
107[.]160[.]131[.]254	26
Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
host123[.]zz[.]am	26
Files and or directories created	Occurrences
\1.txt	26
%TEMP%\<random, matching '[a-z]{4,9}'>.exe	26
%ProgramFiles%\<random, matching '[a-z]{5,9}\[a-z]{3,9}'>.exe	26
%ProgramFiles%\<random, matching '[a-z]{5,9}\[a-z]{3,9}'>.dll	26
%ProgramFiles%\<random, matching '[a-z]{5,8}'>	24
%ProgramFiles%\axofwxn\12010043	2
%ProgramFiles%\uqvba\12010043	1
%ProgramFiles%\mzbii\12010043	1
%ProgramFiles%\cjlzls\12010043	1
%ProgramFiles%\pdvzn\12010043	1
%ProgramFiles%\yhfes\12010043	1

Files and or directories created	Occurrences
%ProgramFiles%\mqbaqfto\12010043	1
%ProgramFiles%\fycasauyy	1
%ProgramFiles%\mtotuwc\12010043	1
%ProgramFiles%\jaaafc\12010043	1
%ProgramFiles%\tkxvwyhl\12010043	1
%ProgramFiles%\mqdug\12010043	1
%ProgramFiles%\fycasauyy\12010043	1
%ProgramFiles%\axddl\12010043	1
%ProgramFiles%\tufcwnkzd	1
%ProgramFiles%\cidhqek\12010043	1
%ProgramFiles%\qytxj\12010043	1
%ProgramFiles%\bghvo\12010043	1
%ProgramFiles%\qhpobisc\12010043	1
%ProgramFiles%\tufcwnkzd\12010043	1

*See JSON for more IOCs

File Hashes

```

01b1fcc6a12cc903fe0dbc560d5a4ef1a1c97338c3250f4b95ded8bffb9a5334
0281fe6b45250edb67ea958b6f40117352c4ef5a508ad250694ed6367d702fcd
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```

```
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6e11e5de537441490eda85e5813011c587bb862859069003c6e30f8ea65e2bf9
72f1acb9e0dd790b7435f3f108e23336c23804a36cef06ba16cb768d32fcbba6
7a1df46ccca8f3c04c6a811ed718d77eba4054302570c7bba71059e9d562d0df
7d35e4715ea04cb3065c77feff47867fea87c1825ce61550b8ed4860c8aa48a5
7f6124b007c97f56551e57a9a43155d5a52df2ab485248256df0b08f817cc96a
8820066073c7fbf71f70b3fcc64191aab651f718542a0582e5675a538e4427201
8a5100f5b8bbd1d332ec35c489bb8fa69230dde67db7a73e6a29a4c7bb448ae7
9421107200ff0bdb97cc027179bd3c3ca9a5448c32a7d60a38e080a35c7f8ca2
```

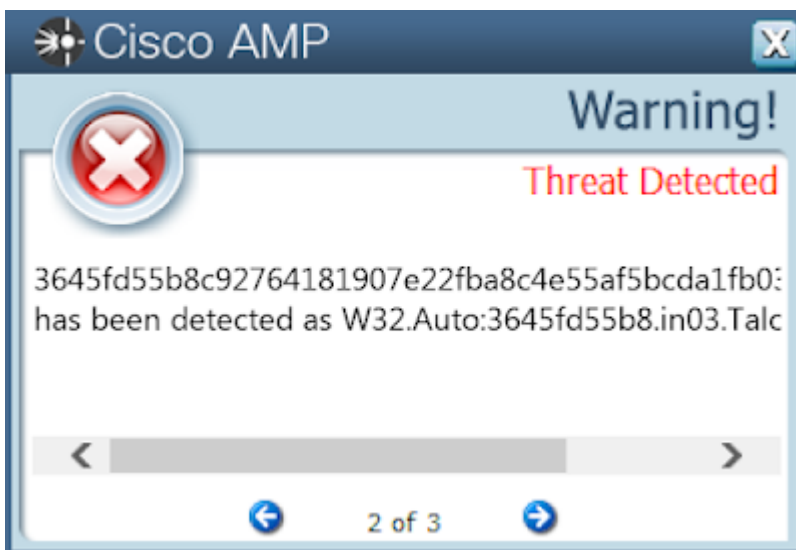
*See JSON for more IOCs

Coverage

Product	Protection
Secure Endpoint	✓
Cloudlock	N/A
CWS	✓
Email Security	✓
Network Security	N/A
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	N/A
WSA	N/A

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

	Title --	Categories	Tags	Score ▾
+	Gh0st RAT Default Mutex Detected	rat	trojan, host, process, lo...	100
+	Artifact Flagged as Known Trojan by Antivirus	antivirus	trojan, RAT	95
+	Artifact Flagged Malicious by Antivirus Service	antivirus	file, antivirus	95
+	Process Deleted the Submitted File	anti-forensics	file, executable, process	81
+	Windows Executable Copied and Renamed	evasion	file, attributes, anomaly	80
+	Artifact Flagged by Antivirus	antivirus	file	72
+	Process Modified a File in the Program Files Directory	dynamic-anomaly	executable, file, process	72
+	File Name of Executable on Disk Does Not Match Original F...	static-anomaly	file, attributes, anomaly	64
+	Process Modified an Executable File	dynamic-anomaly	executable, file, proces...	60
+	Process Created an Executable in a User Directory	creation	executable, file, proces...	57
+	Process Requested File From External Drive	system-enumeration	usbdisk, external, proce...	56
+	Process Modified File in a User Directory	dynamic-anomaly	executable, file, process	56
+	Process Uses Localhost for Network Traffic	dynamic-anomaly	communication, process	56
+	Process Modified Autorun Registry Key Value	persistence	process, autorun, regist...	48
+	Ping Utility Check Localhost	information	process, network, backd...	48
+	Command Exe File Execution Detected	information	process, file, create, lau...	40
+	NetBIOS Name Resolution Query	network-information	netbios	36
+	Process Uses Very Large Command-Line	dynamic-anomaly	process, cmdline	32
+	Ping Utility Launched	information	process, network, backd...	32
+	Memory Block Allocation with Read/Write/Execute Permiss...	code-injection	memory	25

MITRE ATT&CK

Registry Keys	Occurrences
<HKLM>\SAM\SAM\DOMAINS\ACCOUNT\USERS\000003EC Value Name: F	1
<HKCU>\SOFTWARE\WINRAR Value Name: HWID	1
Mutexes	Occurrences
85485515	11
Global\8e4d9ae1-86e8-11ec-b5f8-00501e3ae7b6	1
Global\844108c1-86e8-11ec-b5f8-00501e3ae7b6	1
Global\7ad43141-86e8-11ec-b5f8-00501e3ae7b6	1
Global\7e601721-86e8-11ec-b5f8-00501e3ae7b6	1
IP Addresses contacted by malware. Does not indicate maliciousness	Occurrences
104[.]208[.]16[.]94	3
20[.]189[.]173[.]22	2
20[.]189[.]173[.]20	2
46[.]165[.]243[.]51	1
50[.]7[.]252[.]125	1
95[.]211[.]222[.]156	1
52[.]182[.]143[.]212	1
52[.]168[.]117[.]173	1
62[.]76[.]185[.]233	1
62[.]76[.]178[.]192	1
62[.]76[.]188[.]138	1
62[.]76[.]47[.]5	1
Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
computer[.]example[.]org	15
wpad[.]example[.]org	15

Domain Names contacted by malware. Does not indicate maliciousness	Occurrences
clientconfig[.]passport[.]net	9
vmss-prod-weu[.]westeurope[.]cloudapp[.]azure[.]com	7
net-forwarding[.]com	5
vmss-prod-eus[.]eastus[.]cloudapp[.]azure[.]com	5
t14qb[.]mrbasic[.]com	4
discover-lang[.]com	3
vmss-prod-seas[.]southeastasia[.]cloudapp[.]azure[.]com	3
onedsblobprdcus16[.]centralus[.]cloudapp[.]azure[.]com	3
geio-pricing[.]com	2
onedsblobprdwus17[.]westus[.]cloudapp[.]azure[.]com	2
onedsblobprdwus15[.]westus[.]cloudapp[.]azure[.]com	2
windowsupdate[.]s[.]llnwi[.]net	1
onedsblobprdcus15[.]centralus[.]cloudapp[.]azure[.]com	1
onedsblobprdeus16[.]eastus[.]cloudapp[.]azure[.]com	1
Files and or directories created	Occurrences
%TEMP%\st1m.bat	4
\Users\user\AppData\Local\Temp\st1m.bat	2
%TEMP%\-1399634684.bat	1
\Users\user\AppData\Local\Temp\tmp72f12c56.bat	1
\Users\user\AppData\Local\Temp\tmp9263c976.bat	1
\Users\user\AppData\Local\Temp\tmp83b27453.bat	1
\Users\user\AppData\Local\Temp\tmp791b5ee5.bat	1

File Hashes

0359b8913493b41b7c0209a133d3492c6893c420ecd97af7a9a997fa1efbf7ad
 1023e8030a884209b44b046ee3fd47996c6e3a356a0022b2184335623192d0e8
 3465f83eb61a1c4b32242e1ee52deddb8e507f155f8ac9b476b54de8a0ab19be

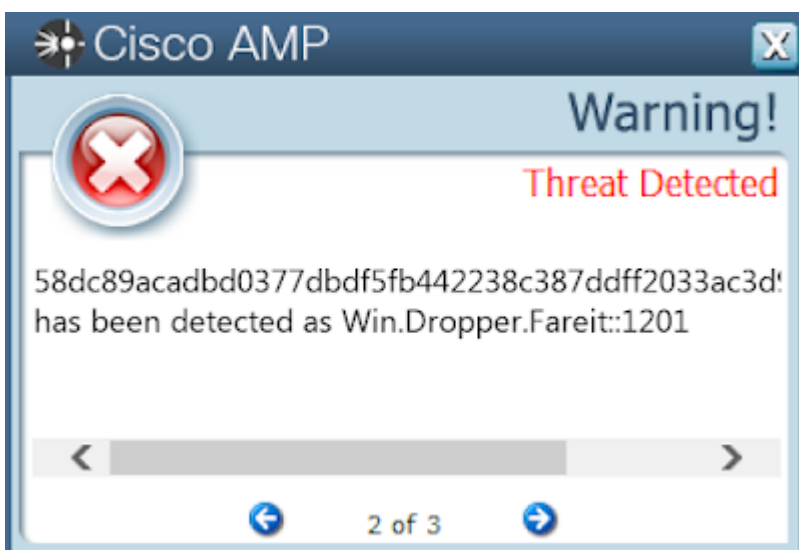
41085ad88d42f4fff9cc0375a934b77560782153838180aa84725750081db662
 48dd72cfc8802b263921c471e1bc87d36667996971cc522d2904950d4e3708cd
 4fc174ba2eb3848639ead3bbc2b88136b53e3a04af1bcd5dd1616afb18715af2
 58dc89acadbd0377dbdf5fb442238c387ddf2033ac3d9b00031a32931307b39
 7112aa176e6098a97c984d8cff643733655467a9deedf6df3850833412032d64
 89869a26121998e8c994ccf0725a3fadcf803ff8922219519c663db67b42a1e2
 8b213a839cfa60bbb405f91504b86cb305d5ad19374895f3c37700ca6f943e32
 c5ebaa812220fbbb09996ef31827546c128873b891968b96f12d4e827ab23dd1
 d2c296a48c4dcb1f1c6254c55e6d97702d570119cda1d5bf509898e253662a81
 db341e594d1ca60c33fe7688f3422053df2be10a8a9de4a00227147ad23559e3
 ed601fa3467259be08db4756f41979d6528b7f8a630bb2a74b6240da0c5b7ef0
 f4c630b94e4f13cc3a53f86f2b7c076e5096e83b0640c237644101b8ca3d9607

Coverage

Product	Protection
Secure Endpoint	✓
Cloudlock	N/A
CWS	✓
Email Security	✓
Network Security	✓
Stealthwatch	N/A
Stealthwatch Cloud	N/A
Secure Malware Analytics	✓
Umbrella	N/A
WSA	N/A

Screenshots of Detection

Secure Endpoint



Secure Malware Analytics

	Title --	Categories	Tags	Score ▾
+	Fareit Malware File Activity Detected	data-theft	trojan, downloader, dro...	100
+	Generic Infostealer Malware Behavior Detected	data-theft	infostealer	95
+	Artifact Flagged Malicious by Antivirus Service	antivirus	file, antivirus	95
+	Process Hollowing Detected	code-injection	process, hollowing, obfu...	95
+	Process Attempted to Enumerate Cryptocurrency Informat...	system-enumeration	password, file, process,...	90
+	Process Deleted the Submitted File	anti-forensics	file, executable, process	81
+	Process Created New User Registry Key	weakening	system, registry, backdo...	81
+	Excessive Remote Process Code Injection Detected	exhaustion	memory, injection, thre...	80
+	Page Not Found HTML Error Page Detected.	static-anomaly	html, redirect	70
+	Process Modified Guest Account Registry Key	weakening	system, registry, backdo...	64
+	Process Modified User Login Information Registry Key	weakening	system, registry, backdo...	64
+	An HTTP Request Was Made to a Numeric IP Address	network-anomaly	communications	60
+	Outbound HTTP GET Request	network-information	network, http, get	56
+	Process Modified File in a User Directory	dynamic-anomaly	executable, file, process	56
+	Static Analysis Flagged Artifact As Anomalous	static-anomaly	anomaly, static	48
+	File Uploaded to the Network	exfiltration	file, upload	48
+	Command Exe File Execution Detected	information	process, file, create, lau...	40
+	Process Uses Very Large Command-Line	dynamic-anomaly	process, cmdline	32
+	HTTP Client Error Response	network-information	network, http, client error	25
+	Sample Used A Temporary Batch File	anti-forensics	Installation, cleanup, de...	25

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