

Threat Round-up for Mar 24 - Mar 31

By Alexander Chiu

Published: 2017-03-31 · Archived: 2026-04-05 21:46:14 UTC

AMP	✓
CWS	N/A
Email Security	✓
Network Security	N/A
Threat Grid	✓

Friday, March 31, 2017 17:18

Today, Talos is publishing a glimpse into the most prevalent threats we've observed between March 24 and March 31. As with previous round-ups, this post isn't meant to be an in-depth analysis. Instead, this post will summarize the threats we've observed by highlighting key behavior characteristics, indicators of compromise, and 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 date of publication. 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 FireSIGHT Management Center, Snort.org, or ClamAV.net.

This week's most prevalent threats are:

- **Win.Ransomware.Cerber-6162243-1**

Windows ransomware

Cerber is a popular ransomware family that continues to undergo active development to continue being dropped in the wild. It still drops multiple ransom notes, including a desktop wallpaper as a warning post. Unfortunately, these recent samples are protected with heavy crypters.

- **Win.Trojan.Wabot-6113548-0**

Backdoor

This is an IRC worm written in Delphi. The code is not obfuscated. It drops several files in the system32 directory, and a text file with the word "marijuana" written in ASCII art to the root of the system drive. After waiting for some time, it will try to connect to an IRC server and join the channel '#HelloThere'. From there it receives backdoor commands.

- **Doc.Macro.HeuristicReplaceFuncs-6169546-0**

Macro Obfuscation Technique

To prevent quick understanding and basic detection of malicious macros developers use different obfuscation techniques to hide the macro's functionality

- **Doc.Macro.ReplaceFuncs-6171292-0**

Macro

This sample is a Microsoft Word document that uses a macro to launch a PowerShell script to download and execute another executable payload. Unfortunately, this secondary payload was unavailable at the time of this execution report.

- **Js.Trojan.Diplugem**

Adware

This family installs browser extensions in your browsers without your permission. It's main functionality is to show advertisements in different ways, such as opening tabs, potentially interfering with usual navigation.

- **Doc.Macro.ObfuscatedObj**

Macro Obfuscation Technique

This obfuscation technique utilizes macro string operations to prevent direct static detection of the string WSCRIPT.SHELL, which is the object used to execute commands outside of the Office system. As an obfuscation technique, these droppers are being discovered delivering payloads of all sorts and sizes.

- **Win.Trojan.VBCryptLaser**

Trojan/Info stealer

This malware is mainly an information stealer and it is able to detect an instrumented environment such as a sandbox. Moreover, the malware injects itself in legitimate processes and it persists reboot by invoking either Javascript or mshta . This family is highly obfuscated and considering its behavior is a variant of the infamous Kovter trojan.

- **Win.Virus.Virut-6171773**

Virus

This is a virus which is well know for opening back door on TCP Port 80 using the irc server ircd.zief.pl allowing remote attacker to download and execute additional files. It's looking for firewall and antivirus instances, as well modifying host file and internet explorer proxy settings.

- **Win.Ransomware.Spora-6172235**

Ransomware

This ransomware is encrypting files and not adding any specific extensions. It's also deleting volume shadow copy to avoid system restore point. It install a startup link and modify internet explorer proxies and create an html file with a dynamic filename. One difference with other ransomware is that no network traffic is generated as everything is done locally.

Win.Ransomware.Cerber-6162243-1

Indicators of Compromise Registry Keys

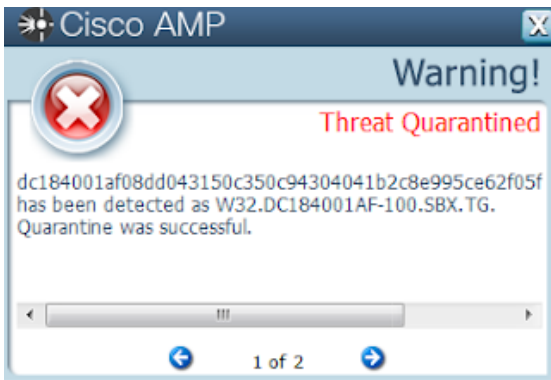
- N/A **Mutexes**
- N/A **IP Addresses**
- 54.87.5.88 **Domain Names**
- api[.]blockcypher[.]com
- hjhqmbxyinislkt[.]1efxa8[.]top **Files and or directories created**
- %APPDATA%\Microsoft\Outlook\<RANDOM_FILENAME>.8a2a
- %APPDATA%\Microsoft\Outlook_HELP_HELP_HELP_1YI7CF_.hta
- %APPDATA%\Microsoft\Outlook_HELP_HELP_HELP_2NN4UMV_.png
- %USERPROFILE%\Desktop_HELP_HELP_HELP_J81LBSA_.hta
- %USERPROFILE%\Desktop_HELP_HELP_HELP_L1JAF_.png
- %APPDATA%\Microsoft\Outlook_HELP_HELP_HELP_6MTGJWJ_.png
- %APPDATA%\Microsoft\Outlook_HELP_HELP_HELP_LKCGK3Y_.hta **File Hashes**
- dc184001af08dd043150c350c94304041b2c8e995ce62f05f846d776b450f80f
- 57288de46d603910b1d6eb88390a4b7083b3f060e75bd76023a8a13f7c40633f

- c0ab4ccdef7ad4fb6b1af396a29cbb4220dc720acfec091fa5d6484656fec63f
- ca7d955a40f2d7a969245884fffd0189402b05af3f9896d10e476cbdaa1b0829

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	N/A
Email Security	✓
Network Security	N/A
Threat Grid	✓
Umbrella	✓
WSA	N/A

Screenshots of Detection AMP



ThreatGrid

Behavioral indicators	
Cerber Ransomware Detected	Severity: High Confidence: High
Artifact Flagged Malicious by Antivirus Service	Severity: High Confidence: High
Process Modified Desktop Wallpaper	Severity: High Confidence: High
Excessive UDP Connections Detected	Severity: High Confidence: High
Process Deleted the Submitted File	Severity: High Confidence: High
Windows Picture And Fax Viewer Used To Display Decoy Image	Severity: High Confidence: High
Artifact Flagged by Antivirus	Severity: High Confidence: High
Creation Of Randomly Named Files Detected	Severity: High Confidence: High
Outbound HTTP GET Request	Severity: High Confidence: High
Process Modified File in a User Directory	Severity: High Confidence: High
Device Encrypted Deleted	Severity: High Confidence: High
File Downloaded to Disk	Severity: High Confidence: High
Potential Code Injection Detected	Severity: High Confidence: High
PE Has Sections Marked Executable and Writable	Severity: High Confidence: High
Pending File Deletion	Severity: High Confidence: High
Process Attempts to Forcefully Terminate Another Process	Severity: High Confidence: High
Executable with Encrypted Sections	Severity: High Confidence: High
CMS Response Content (Low Time to Live (TTL) Value	Severity: High Confidence: High
Ransomware Quarantined	Severity: High Confidence: High
Outbound Communications to Remote Web Server	Severity: High Confidence: High
Sample Flagged by antivirus service contacted domain	Severity: High Confidence: High

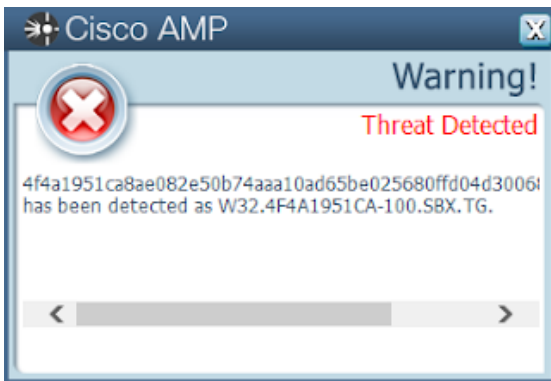
Umbrella

- N/A Domain Names
- uk[.]undernet[.]org **Files dropped**
- %System32%\sIRC4.exe
- %SystemDrive%\marijuana.txt
- %System32%\DC++ Share (several files are created in this directory)
- %SYSTEM32%\xdccPrograms (several files are created in this directory)

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	N/A
Email Security	✓
Network Security	✓
Threat Grid	✓
Umbrella	N/A
WSA	N/A

Screenshots of Detection AMP



ThreatGrid

Behavioral indicators	
W32/Malware Detected	Severity: High Confidence: High
Antisat Flagged Malicious by Antivirus Service	Severity: High Confidence: High
Antisat Flagged as Known Trojan by Antivirus	Severity: High Confidence: High
Process Deleted an Executable in a System Directory	Severity: High Confidence: High
Process Modified a File in a System Directory	Severity: High Confidence: High
Antisat Flagged by Antivirus	Severity: High Confidence: High
Process Modified the Windows NT Registry Key	Severity: High Confidence: High
Process Modified an Executable File	Severity: High Confidence: High
PC Virus Scanners Marked Shareable	Severity: High Confidence: High
PC Contains TLS Callback Entries	Severity: High Confidence: High
Process Read IM File	Severity: High Confidence: High
Executable with Encrypted Sections	Severity: High Confidence: High
PE COFF Header Timestamp is Set to Date Prior to 1999	Severity: High Confidence: High

Malware Screenshot



Doc.Macro.HeuristicReplaceFuncs-6169546-0

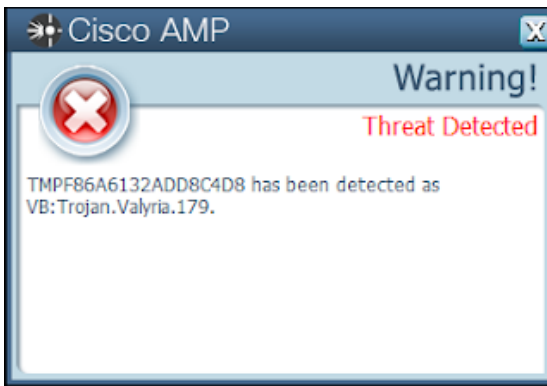
Indicators of Compromise Registry Keys

- N/A **Mutexes**
- N/A **IP Addresses**
- N/A **Domain Names**
- www[.]cleverdot[.]top **Files and or directories created**
- N/A **File Hashes**
- d183f2200ed5f510888a80e95d99aa5a3c8408dee7f0c9b8330fc52fb0592dce
- ee6284d966eb9f510a1b44ef6ba435048729c8ce8a741fb33575d5b1b6d347f5
- bafa3a9e5b2f290eabce23811c6309209d281f31bc6eee25b4eb739bce1800ce
- 1480d45ed9841d055e4e04ade87f7785b3006fb62c8060616ed7507185df2b77
- 13d61439ede67b78a536ea3c510534db0ab7d295ef1275645b7981814909d0db
- b70497f0e50fcbfe83a7b92021db30e14f3fd6a829ab9948f828d46048cdbdd6
- 42ddcf96146d3be84bf36abe71fd6780abf79aa1ccb2ba65093c9b46a3d76b03
- 1fdb9f23b2d7dbe849f38f79f88449fe3f327e76585b202d914718036245c469
- 9948928059c4676f6b6f8519fc39eaab89a027159577dbc3ceac4833ef35167f
- 3fd05d08c135075d2f4a72652746bc42e359b9d1658d4f3b41d5f95bb7216649
- db7d22c806ca4a305a317df58a65bef8e2195bb0a8ac223313a8a18c37f5c143
- 5ee9f3b87db48f41eaaffd9a7fc9cc76920dd498237a23e1ad7585f4e2be02d8
- 6dfb35527b23ca769510228498c8de68cfc93d5c2b83246d8e9b338d2717481f
- fe257b7da01cfc247564f2e7b36b19b8af548c2f3ffbee2b9d8d552a71502d78
- dec3c2f1b1de6d70fc566f036ab320decc88ed5418e429feae45189e458bf5e4
- d4175848a03cab54f856d41c51ac4ede18c01382a5ebc4ed40c4e27f2e45244b
- c19a7af6c3846bd433765c027149ff838482a55624a5e603d395ad83d6f24129

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	✓
Email Security	✓
Network Security	N/A
Threat Grid	✓
Umbrella	✓
WSA	✓

Screenshots of Detection AMP



ThreatGrid

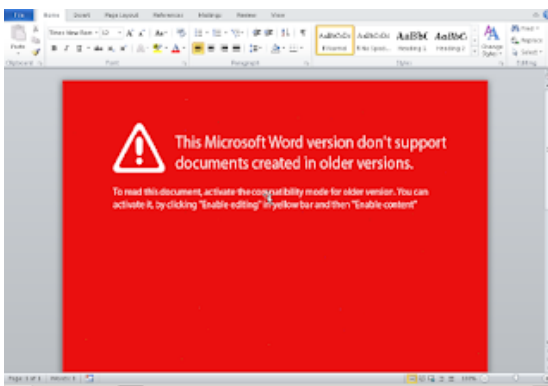
Behavioral indicators

Office Document Launches a Powershell	Severity: High	Confidence: High
Document with Random Variables Established Network Communications	Severity: High	Confidence: High
A Suspicious Document Containing Randomized Variable Names Detected	Severity: High	Confidence: High
Artifact Flagged Malicious by Antivirus Service	Severity: High	Confidence: High
A Document File Established Network Communications	Severity: High	Confidence: High
Document Flagged by Antivirus	Severity: High	Confidence: High
An Embedded VBA Macro Contains Randomly Generated Variables	Severity: High	Confidence: High
VBA Macro May Call Shell	Severity: High	Confidence: High
Powershell Used to Download and Execute a File	Severity: High	Confidence: High
Artifact Flagged by Antivirus	Severity: High	Confidence: High

Umbrella



Malware Screenshot



Doc.Macro.ReplaceFuncs-6171292-0

Indicators of Compromise

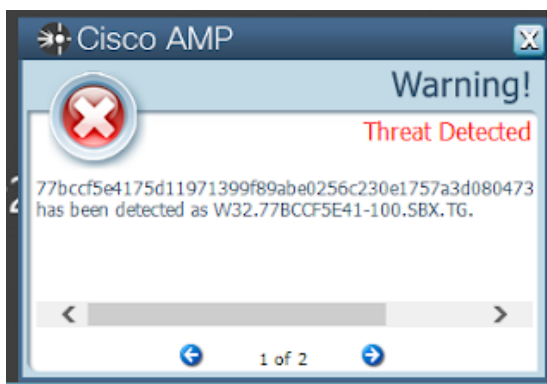
IP Addresses

- 35.166.163.174 **Domain Names**
- otweeytl[.]bid **File Hashes**
- 77bccf5e4175d11971399f89abe0256c230e1757a3d0804737b14a0ac839890b

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	✓
Email Security	✓
Network Security	N/A
Threat Grid	✓
Umbrella	✓
WSA	✓

Screenshots of Detection AMP



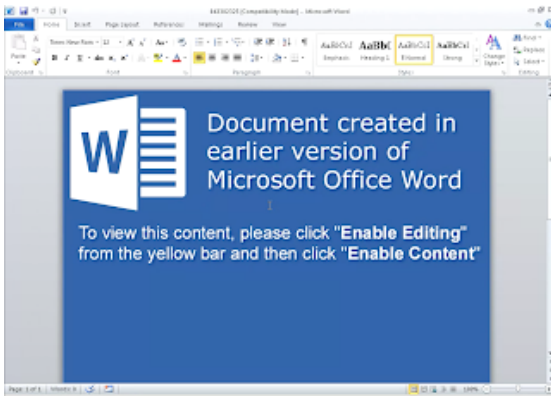
ThreatGrid

Behavioral Indicators	Threat Score: 100
Office Document Launches a Processed	Severity: 100 Confidence: 100
Document with Random Variables Established Network Communications	Severity: 100 Confidence: 95
A Suspicious Document Containing Randomized Variable Names Detected	Severity: 85 Confidence: 100
A Document File Established Network Communications	Severity: 100 Confidence: 90
Document Launched Utility Application	Severity: 100 Confidence: 90
Office Document Launcher a Command Shell	Severity: 90 Confidence: 100
An Embedded VBA Macro Contains Randomly Generated Variables	Severity: 90 Confidence: 90
VBA Macro May Call Shell	Severity: 90 Confidence: 90
PowerShell Used to Download and Execute a File	Severity: 90 Confidence: 90
VBA Macro Loads a COM Object	Severity: 80 Confidence: 90
Artifact Flagged by Antivirus Engines	Severity: 80 Confidence: 75
VBA Macro Has Action on Open	Severity: 75 Confidence: 85
Outbound HTTP GET Request	Severity: 75 Confidence: 75
Antivirus Service Flagged Artifact As Containing a Worm	Severity: 75 Confidence: 80
Dynamic Content Detected in Document	Severity: 75 Confidence: 90
Office Document Contains a VBA Macro	Severity: 75 Confidence: 80
Command Exe File Execution Detected	Severity: 90 Confidence: 90
PowerShell Launched with a Hidden Window	Severity: 80 Confidence: 70
HTTP Client Error Response	Severity: 90 Confidence: 90
Outbound Communications to Rights Web Server	Severity: 25 Confidence: 25
Sample Flagged by antivirus service connected domain	Severity: 95 Confidence: 95

Umbrella



Malware Screenshot



Js.Trojan.Diplugem

Indicators of Compromise Registry keys

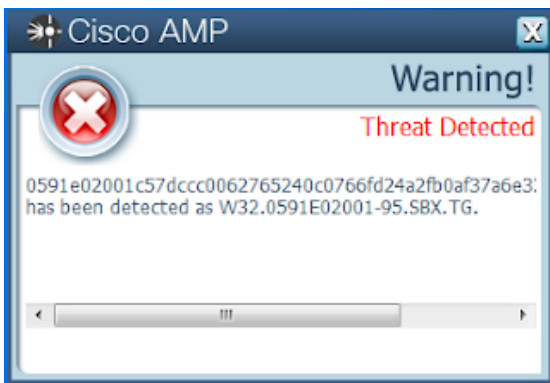
- USER\%\$UID%\Software\Classes\SystemFileAssociations\.aHTML\shell\Edit\command
- USER\%\$UID%\Software\Classes__aHTML\shell\Edit\command
- USER\%\$UID%\Software\Classes__aHTML\shell
- USER\%\$UID%\Software\Classes__aHTML\shell\Edit\ddeexec
- USER\%\$UID%\Software\Microsoft\Windows\CurrentVersion\Explorer\FileExts\.aHTML
- USER\%\$UID%\Software\Classes__aHTML\shell\Edit
- USER\%\$UID%\Software\Classes\SystemFileAssociations\.aHTML\shell\Edit
- USER\%\$UID%\Software\Classes\SystemFileAssociations
- USER\%\$UID%\Software\Classes\SystemFileAssociations\.aHTML
- USER\%\$UID%\Software\Classes\SystemFileAssociations\.aHTML\shell\Edit\ddeexec
- USER\%\$UID%\Software\Classes\.aHTML\OpenWithProgids
- USER\%\$UID%\Software\Classes\.aHTML
- USER\%\$UID%\Software\Microsoft\Windows\CurrentVersion\Explorer\FileExts\.aHTML\OpenWithProgids
- USER\%\$UID%\Software\Classes__aHTML
- USER\%\$UID%\Software\Classes\SystemFileAssociations\.aHTML\shell **Domain Names**
- getlikemobj[.]info **Files and or directories created**
- 0doGTj9XEZ5tbV5.dat
- 0doGTj9XEZ5tbV5.exe
- UtE5FnEWw87hxH.dll
- UtE5FnEWw87hxH.tlb
- UtE5FnEWw87hxH.x64.dll
- background.html
- content.js
- lsd.js
- manifest.json
- uui.js
- bootstrap.js
- chrome.manifest
- bg.js
- Install.rdf **Installed services**
- regsvr32.exe /u /s ".\UtE5FnEWw87hxH.x64.dll" **File Hashes**
- 0333de69ebe7ef58889c39c6ee10b33e8fa4299849c760e6f018bac5ae2212aa
- 9eb18b9091281aa25afa4ced079024a043913e179a03947f73dabe121f36dc2b
- 07e32a2e78410eb73f525032636894e82193d5806c85a132c7efd31a76abc862

- a441bf44fec8d08481920e240281afccdcef2f0cfadb681b7b6ce50be495fc01
- 0aa8272fc12da7273cdc3573ee4e78849fe187f01eca9cda4b7941de99d8bb83
- a6ac9b2e5211f3feb41a91a5c82992de483b56c142dc35e84439a965c8250f50
- 0591e02001c57dccc0062765240c0766fd24a2fb0af37a6e32a211ea202074b3

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	✓
Email Security	✓
Network Security	✓
Threat Grid	✓
Umbrella	✓
WSA	✓

Screenshots of Detection AMP



ThreatGrid

Behavioral Indicators	
Artifact Flagged Malicious by Antivirus Service	Severity: High Confidence: High
Artifact Flagged as Known Engine by Antivirus	Severity: High Confidence: High
Artifact Flagged as Known Adware by Antivirus	Severity: High Confidence: High
Artifact Flagged by Antivirus	Severity: High Confidence: High
Process Modified as Executable File	Severity: High Confidence: High
Process Created as Executable in a User Directory	Severity: High Confidence: High
Process Modified File in a User Directory	Severity: High Confidence: High
Process Deregistered a Service DLL	Severity: High Confidence: High
Process Registered a Service DLL	Severity: High Confidence: High
PC Checksum is Invalid	Severity: High Confidence: High
Pending File Deletions	Severity: High Confidence: High
DNQ Query Returned Non-Existent Domain	Severity: High Confidence: High
Executable User AdminDfs	Severity: High Confidence: High
Sample Flagged by antvirus service contacted domain	Severity: High Confidence: High
RAT Queried Domain	Severity: High Confidence: High

Umbrella



Doc.Macro.ObfuscatedObj

Indicators of Compromise File Hashes

Please note this is not an exhaustive list.

- 00151e030408a5183d92132652d5a0c5eb2f9e073209cb7ee12060312c5f400c
- 01f9d4276b16af80bb29dd195d343e1844062f0d86115ec5ace3234cd510b403
- 033f7a9d6ed8cbb6ecb958c9db9ab7794d37c9e763b029329b2fdf431c172be4
- 03ade17b4ad71a395b4ba657171537d4e643f3686b7c1072208366bba26c9df
- 08aed8b4e7f420d1c08f7fa3de86143af13ba61313e5d98f7ce552e554c991b4
- 0a3693404f2b073d62c8b7bfb4701fec0a2b6bb6efe7b91f274065e0b7540ff
- 0cb8d7a50e1e1d36be68bf6686f7772d1fc60f7a03ec9900d5abf842546b7ab8
- 0d1fd8c7ddf4abe530008971c2fe7f239c90052ad426ba480205c1e335db7966
- 0d69b76da355e4a7cb36976626d540cefd9ae8e1fd96f0c7ae7f7e582f1aa96e
- 125df53cab91b182b0c7d5cec5e310b3471e1b4f640edc8ec9c499f1f41df237
- 12b9b3f8c125a75653fe2e19f361d8a164e1c9d4653fd8690b4f197495cba580
- 19642ed34dc6e68b8a29075c3886027530d08351a588e1ccfa368df2ce2350dd
- 1c438d063a759da25a2517d4ca81f92606225d372143c978fa30cd4769025863
- 1d4d3da400696861a219e02ada9c730bf825484327322ea8a1b27ff7a3c11de4
- 1e316a875a347ae678fa11f12b08885e0b62a8abc3ca41cd7bed8f0d421c09a1
- 1e7ffa8b2f7b2dec0ff62a1ef51fe5a4adc6d11cf7e1d004d9e09dfdcceaacb7a
- 1f49b218b1e4afb4b15124acd9c9a8eb8a1ba9d87fa91e8d255bb73c14a37f9f
- 25d93ab8a663df35b9752edc3bf7a1a2f563f626ff405f6b05386ad4df3fb776
- 2bcd02fc25eece8a348d96b80fa8933ff1411fd96f7e5116a14fc8d65ac2f4b8
- 2ca2cc8af7e0d37bdb2dbba9abf8399e4db695a7d6b31d050950a68d2635f260
- 2d8900fcee3ec6a064420d662e7422d4ebc1230479b9c330661e10ef1b21881
- 2fe88a9c446bfb5cb93c948cfcb9d781a03a8422d5307e0ac4e987f16c46abd2
- 3393ddf44d6636bbcd1d45c26b3a9c5073217a95d7506ddf7756e813e445a9ecb
- 348aee4ee9827c954854a496f24f2c4d2ba96853344884e8a5cf616d07d7236d
- 35582cb16758ed296fad554830cca279fce0d7512851ba0a382373f2d8ed32d2
- 368fc1d3fe0de1e9a73c7c5dd840d2f769e8c3d1a32a86390905d45e9ab2d9ff
- 3739cb9ef330544fc349da2c9cbc66151205904f625acda85bbe16152943830d
- 3a01219542a25bab989ffd78af40a4b13a636e9cdd50f92d659e9dbf253abf94
- 3becf2e1eb115dc2e41d947826b59ab8fd83b3f825b9cd3bb9f8003dd1d02416
- 48b565b639fa5d532b65246f82e66b325b7e8549f9bf04d27955a1b3a98fa281
- 53c50bf3bdfa58b66565071e82bb7ba40ac3cc344893b0aeaa15502483ec3f6
- 54b5776a210ac4b6a00eca3efa2f0b665616f706a813cf29fe2ecf19cd90887c
- 5549e374040cd995939b24a8095c74e9fec188a04ca9a0189a289d3be0bfdc37
- 5617e4b5e25a41d5a491b3e36fcd165a1a7b999ea0de567ca63baec40b757ddf
- 5854de47ff6fedc84cc6fb73760763b8e427164bf3369e89d3e4b3b42483103d
- 5b34c3c2ec780258644c3245693dfef254cb91716c35ae33937f637bd8e04978
- 5d996e33e92e6f7b83867ccad52be72274bfd79d964bc4988043d91231369650
- 60979006e12a42b7f781adb2b1f8fe05836db0683abe0efc05b822dad5d1a9f7
- 6556d7052f3c3faf15aa3ee81dbbb4b1caee88fd7e65788c1f90bfd940be7b0
- 69e7d856dc8e0b5508b8a4050c36451a0dc0164b856e1bd1efdbc6f8ec6de66e
- 709fe7d54e5ba52f2e45c4c62fdf1636ed64be0ae367bd992eb212aa234200cc
- 7120ecc9c04b8f9d93829210f3168b14cfecd45dec52478ff87d0ee86324cc0c
- 71715f32e3cb54756b39716f8dd33c503eabbb054f4a4e82d5e2b9a9b96ed46f
- 77d049ad71ea81f13e89d82ed398e59e95085d10cb0041eb6ef5ed48c0fd95e2

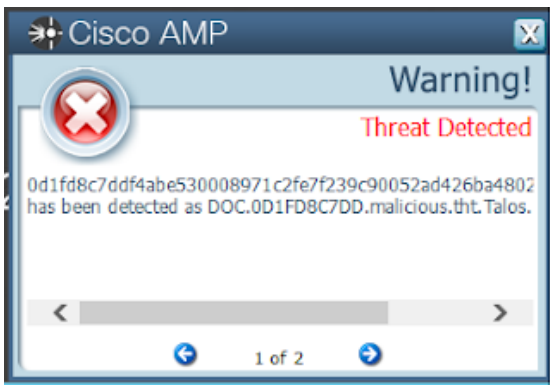
- 77d11af8d4b7f9e48764d285e801f1db3d7dfcd6a0ba17bb9bb75c178227b96
- 7dc0651c4258b079fe68acbdddfcbedd89a94448bffb4ca93c231fca171dda09
- 805d74474a13e5a3be13c73bb1d0dbb1b33dfc9dcaf067b4aea5d2a8584a29eb
- 80a05b5499539e7bbdd3dd34f04a940c5d36f8d44d7725c6530bf3872966a27a
- 85d95919960cab3788b587008fa49b61c230bbbe28cd9d000f0cb179abbbb0f5
- 896dc5b55cd8c0e160dc52ac9b21ed4c46da22ed3c369eb5dee856edb88f46e1
- 8caf0f703a108a6fec8d55e8f1a028814a3f26afb2f8a58a96576e1042f99874
- 8e8cd4aefc8422ba176d009d90ddcd65f72161a2576ab443f69480bb30050825
- 8f9292e116fb2a07838724e648e17d2a5e5e3e074232dbd83bfe624391acafee
- 9009b9ad9547af92f68b01f09200a043da6be1a65b274129a7c47532f3f966b0
- 99d311cef89fade4d29e3e33df256029841d59d2ee06579dbeac2c9519ef7cb3
- 9a80fde74d9e7674be309f44f6fa7b5e53f34a0d6f2fcc084d733c42bf95c4a5
- 9ba0d666293490f051b1612e6c8bd635dc382ae4e931fff5fe9ba7fa926d6b82
- a32c4d11737b59236b47b73fe20952a3827593b52f241100ba77648e60e1d42c
- a49705d9325ce8d87b1f24e92a3b64164ab0051eb3efbc0fc775d579959d9a62
- a69f4d4eddbd656a6ae061cc001ae245db87eced67015365cca1834179845290
- a8a449812c89915a1872aeed6424abdf7fc1f4b8d8ae35deee3f3c04104c2a79
- a9e9af82ef11cc51091426afd0784ad62c57dbeeecccd566f8cdf6be2fd8258e
- adb6155ed8d5b3e7c4a2c6fc58108382313b05f171336c52cb1ae7119dfee540
- ae01487921a5e8538f1599c3b0d467328992b32aace53b776180c6071bbae2fb
- aeb6e8a86ce9c7a9cfc0efe82038932ec1c9ca150279f151574233777b4ee69f
- b3551d5d465a7e7315a5c5ad15c99393f1dd77732ff2ddcbd96c0907c3b6e84b
- b402f8acfdbfd194baa2736b45b6529dbc2a6e523f7a7f15470765019387eb6d
- b47ba806ce07000e7fc3365da81afcd6783308e2077391f80e3a272d8090d95c
- b4d192f5122872145142b32a8c11253d70c83a5c23963da0c7f3408593e81238
- b55375ea1eac3f1967483e18c6b32cb5332d281975d54913c6fd3156129574f0
- b5df216db89067df157bab2c5e0042985e03aba5d1807551a069cf800b21d385
- b5ea73190ced08e3694d27d298a69f040cf70b05f21812f60334444102eb875e
- b798f6c32168e8c598af8b795924d42334dc1dbe9d5888125e39c0d3f03cda69
- b831e804d52760572bb4f77d9b62a2da6bbd6c7c4f5ddb0f1b5731e47fa784e7
- b9dd997c2f141fc0dea676b42dd962050f2886f2a1398a14f8e91498486eac90
- bbcf611f3d1da4aa31cd953d7372c50d8ce9a49af8664a86eb804adad390f0e6
- bcdd7ae916d59519521e9c3e96980092c0ad84db98b1f1301eee6899fa599769
- c3a0e9b007795db909245c18f597b4ece53dea011b088abd4f0717208dd3253c
- c3abbd74785fa3d8eb51f0f99fa568e566f864244ea2f4fda9971cda661036da
- ca4607f2cabdd6d3693ad3405085abd1e92112cf7a9fe56a2e52615778bfe79a
- cb10ef20a93542eb0e8ec1e9c921ad120454156c8ec5e431b3b1afa27afd8bbc
- cf0ee89b626684ed9f9f60823531dd1ed38cfd46395036209a274cadaf123575
- d10fa5c1a6bd4da0a3f9d0ee605fa906db9a7e0fe2cc213339d5af8cbee80855
- d20e3bad471429f04e0ca1b28fcf1177cac689394f39dcb20379935dbea883cc
- d314d825d85787833886b1a8c4cf882f8b25f268206e23372cdf3cc67d15e162
- d543f49808fc093e31f8282407d2b520678f041a5c43646b235116743b2e0eaf
- dafaa5c3d3ef49d1f17027cd33a6172b4ac35defaa12f136503200104eebfa1c
- db5e3b35e653690b164bb3aa7f9e8caa9e77f9233d846fbda27f616eb7334aff
- dccc34da745ee2d9464a643be8b4239f3f592498d5362b29dedb30c259878404
- dd926e46cf871d98cfb025896bbcb5a5c71025f5573f5ad1eb0ee77aa3bf5546
- ddc9d38524dc6f2ac918c5f0cb251cc2916f063835414bf34a58cc0c997acccf
- e4921ad4b0561e8c4dfbe0f72aff53d9bc06eaf177a9dbca7e538a6f1312ba1d
- e49328097b3531fb8981531e931b3cd1e2adcc22c8a89781260e0bd779705143

- e96d823ab4de0dde23a564e327d610d933051d6664df685278f85e6d096e25a5
- f3f8905a5ddc3074a367095a51662d4ac434dbe9e680d0b94bfa71f6b5875329
- f6c8e3c90fbc309e3d25c7b08609684e7ca16d93d7a568b702910222af9a4d4f
- f8ca6ffd131b738a30c90b486a839010a85a31d7675e090ea1c850529962bdfd
- f969874b93e7cd1fc2b14a750e4cc8fc778f70e9991a3109ace4e188d568442a
- fbeed70655a2eaf30ca878e1ddf4985a99a767a014adcd00a2150cc270315fe7
- fcc6f903c83a63e8579d1db1940d23294a13a288960d9d07052d978dff9b9e8c
- fe592fb50f84f5a8f10fd14a2a01a0c167a11c1c2242196e2b626a581ca5ac28
- ff198bf3509d1ff43c5529fdd16b160505117bec958363e7e385b4ca1bb4dc73

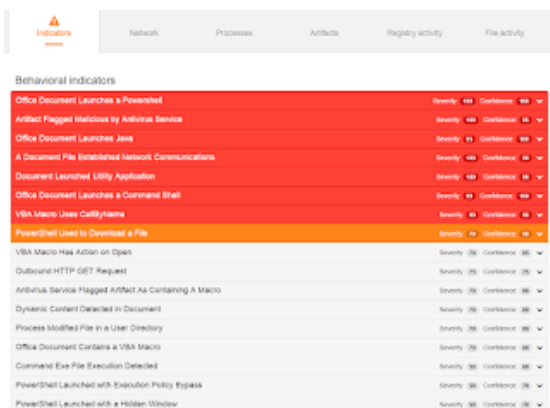
Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	N/A
Email Security	N/A
Network Security	N/A
Threat Grid	✓
Umbrella	N/A
WSA	N/A

Screenshots of Detection AMP



ThreatGrid



Win.Trojan.VBCryptLaser

Indicators of Compromise Registry Keys

- **HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\WindowsUpdate\DisableOSUpgrade**
This key is created and set to 1. In this way, the malware prevents any OS upgrade
- **HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows\WindowsUpdate\OSUpgrade\ReservationsAll**
Key necessary to disable any OS update. It is set to 0.
- **HKEY_USERS\Software\[a-z]{8}\[a-z]{10}**
This registry key contains an encrypted copy of the malware binary.
- **HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run**
The persistence method invokes at every login Javascript code. **Mutexes**
- **N/A IP Addresses**
- 185.117.72.90
- 12.190.56.53
- 104.193.109.67
- 133.28.94.49
- 19.131.186.114
- 109.152.13.49
- 46.248.138.70
- 36.150.95.154
- 151.126.133.167
- 49.117.103.250
- 145.85.32.96
- 244.159.110.110
- 8.19.53.244
- 218.255.128.133
- 110.200.102.30
- 161.133.250.103
- 216.115.112.112
- 93.10.53.55
- 214.28.222.43
- 194.59.147.179
- 206.213.193.26
- 140.192.50.4
- 170.54.3.5
- 202.161.197.181
- 3.166.202.197
- 187.23.153.218
- 69.81.37.149
- 138.142.156.77
- 97.207.252.167
- 153.74.137.236
- 32.144.23.231
- 203.4.193.199
- 193.212.108.131
- 27.32.23.117
- 116.67.48.94
- 236.43.120.190

- 248.100.151.74
- 140.178.134.108
- 71.40.250.251
- 2.170.194.13
- 188.121.121.90
- 103.182.107.224
- 238.44.206.248
- 185.196.78.227
- 241.117.137.46
- 27.184.52.156
- 17.100.187.246
- 142.159.223.136
- 53.154.160.76
- 74.112.68.147
- 150.158.250.75
- 153.11.186.249
- 83.172.78.89
- 89.50.100.129
- 252.84.7.113
- 112.84.131.231
- 156.116.8.163
- 109.137.79.244 **Domain Names**
- puresourcecollective[.]com
- appollobafh[.]com **Files and or directories created**
- N/A **File Hashes**
- 2acfab58519552eaed08a1a40cf92368e28b3a665b7d6851b47e38f2bd8f598e
- 3e2f71a4dd6bc8e866325ccee3d780b029532e83d5aef69825d1a583205a6f4c
- 455f53b882d1648694d8b8cbcc625c2ee2a5f7400f0db70bd7385284304751f4
- 56ded612854f90cf5ba70daba78308a9e46198444ea3b63b0c2707c6776a1b4d
- 58f3fd45631a08818d44c8c7f555f46d2817d4ef804a8faf80c47faa388e436f
- 68f3ed6d61556fd899e95d2b5b43a266cd23fb763b6e1f02dff2e2d62a27a41f
- 6a9b132e407edec1c06ebec33a47ff0a1f44968679f88c2584c380d033b748e3
- c2bacb6a9ddf8eca886f083c9f52d8979cfd29b3f0b97fbb0c76ca86373562a8
- Faa87134b84133b85c42cb1997c96b04021b2848369599e555b100981fbc7cad

Coverage

Win.Virus.Virut-6171773

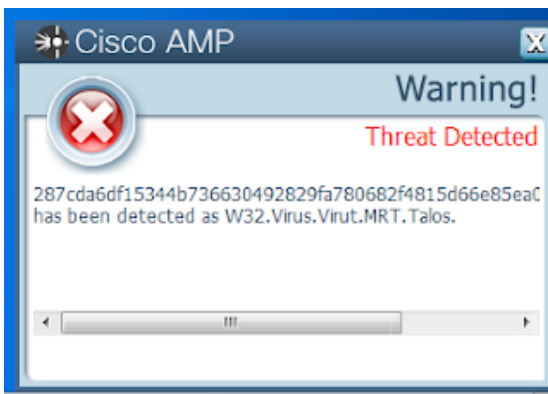
Indicators of Compromise Registry Keys

- N/A **Mutexes**
- N/A **IP Addresses**
- N/A **Domain Names**
- j[.]chura[.]pl
- sys[.]zief[.]pl **Files and or directories created**
- Modify host files **File Hashes**
- a477f53caa2a04835db7e3e02238fd90b92930738e6d512543bb4b6114b28d81
- ef1070106dbad598487ddd22a8fe7d40d8cc30a49e8c48d19ea02c76497a062c
- 7075a7fb70a46dc02460abc92b890b6e9f43ab20e4d47d16435dc133c218cd42
- 128debd4fa18c3ad5ff49925ea3d8a3ccd013e82950cde429b09e8d58878f27c
- 1319090b4d1d8b9815005585ee3fa15ac1df4f2eca0e22e22bc317e52a520c4e
- bd92f8a83f0fbec76749c41916fa212b75b386386c25e1203f53657adf07aac
- 6d71a5594dc5adc2bab1fd2ead630a705c7c0e02e2a5a20994584a1fb1effa4f
- ba9cddb4b0f43daa78bd8cb9cc4f842fb970bdbf0ed012760a55e2df34778232
- fbb151befa1d287d49870fa9fc6254036452c4ca3e80da7bb19d529a8a4382ea
- 6f1cebb94490adcd133bba22a6ba9aafce96d84c76dc4007bbe5ff0c83431462
- 1f6984b9f0dc7009a91577b3868d8980c5ee47a161559f56878e5e80424e01a7
- a2d5c82fe41f613c159d6952c9ff3aa2a1b059ce4692e20292ba2e01effb2e9e
- 62796ad8ede80f59beb4f4b40d68cc4e5477cecd10f2b7993d25cdeac9535bd0
- 1c752622d01064f0adf1962e1d5671cff249be495bea9bbaf200fdfd2124f9b2
- db97b4f3aa56a8111d007c2581379d827e97994843d0d7b4d461ba151db52988
- b0b0ae2afa85dac9f3d289059a06cde24e33308dae64f11fa3ee68a93f8a6b67
- 6e27d1b6622efc68e98acc87e9356a78af7d942e0cba0d3aa97809cecec6bdf9
- 2a0ea00ae1634818d3d84d699a54ad9cb28c71dddf24b0340c9a6b1449d2d966
- 348713e66c6ddc09dbcf95ca50cfe384987031fc787249fa14d10aacdb3b7e1c
- d754e1fac2ae13b1cbc6d7beec8f37c1f304a52120e6e6878b06d8183f659c17
- 0e653eb48d3718b3abd3459386795a3802bde8aad920a33cc2d8d632138b0a61
- 8e431f2bf003132434c5fca097c60240fee7f1e9ca30bc7a063dabcd7d902841
- 683192a27d4316eb1073522de5fb3fa1e3923b5e7d6cdb979d4bd82ed317fa47
- 8f0058f2fa085a4cf8ee5dc01250aa18dd624187d527b5521438cfcda2a4fbe4
- b89927a14e2e54b2bd917904b38737ce96f3bc004215c5a0486fc0a96a6c47d5
- ebf6f32cf12e0839338564a6edef3d8ec8b7ebd1d93bc09c3359a69a4803460d
- 68ef4a3024eedab44169cb292f897e66e57342dd65c9b63fda5fad6cb517e53

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	✓
Email Security	✓
Network Security	✓
Threat Grid	✓
Umbrella	✓
WSA	✓

Screenshots of Detection AMP



Umbrella



ThreatGrid

Behavioral Indicators	
Domain Resolves to a Known DNS Sinkhole	Severity: [High] Confidence: [High]
Artifact Flagged Malicious by Antivirus Service	Severity: [High] Confidence: [High]
Process Modified the Windows Hosts File	Severity: [High] Confidence: [High]
Process Modified the Internet Proxy Autoconfig Setting	Severity: [High] Confidence: [High]
Process Disabled Internet Explorer Proxy	Severity: [High] Confidence: [High]
Process Modified Windows Firewall Authorized Application List	Severity: [High] Confidence: [High]
PE File Sections Marked Executable and Writable	Severity: [High] Confidence: [High]
Executable with Encrypted Sections	Severity: [High] Confidence: [High]
Sample Flagged by antivirus service contacted domain	Severity: [High] Confidence: [High]
Sample Modifying Hosts File Queried Domain	Severity: [High] Confidence: [High]

Malware Screenshot

```

File Edit Format View Help
127.0.0.1 [L.churne.p]
#9 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
# 182.54.94.97 rhino.acme.com      # source server
# 38.25.63.10  x.acme.com         # x client host

# localhost name resolution is handled within DNS itself.
#
# 127.0.0.1 localhost
# ::1 localhost
    
```

Win.Ransomware.Spora-6172235

Indicators of Compromise Registry Keys

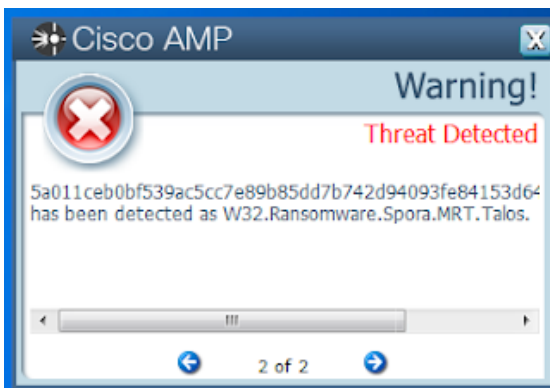
- N/A **Mutexes**
- \Sessions\1\BaseNamedObjects\m[0-9]{9} **IP Addresses**
- N/A **Domain Names**
- N/A **Files and or directories created**
- %APPDATA%\[A-Z0-9]{5}-[A-Z0-9]{5}-[A-Z]{5}-[A-Z]{5}-[A-Z]{5}.html **File Hashes**
- f8bf2eb6481164e4a8cae0dc1114044a9ba81d41350edd1be19021e2cbdb749
- 5e7a7f4ef9ba326e3650c4ee58bdfafb3661fa50f680d78d5868240120c553be
- b64639ae67147ff584507627713db60baf8050cedb9a7e4d3b68b521ca54ad36
- e849051316cc2cf869f80f66cd2b48b436d51cc7544bad3309774aebf101c889
- 81cc065fc899b98f774708d8176ad4319311ff8643138705b24fbeb439f6e0d0
- 6c191a684907ec323516c837f66cd7331acbdad65220b73dba9307dffaa284f9
- 8a8ebf400b190a6fabf6d0e5f6756dfd1d856395161e522a7efe43342531894e
- ec31d44d1c2eae34897001c41e14ed26c03d8acaabf00ee31183021f7a2fd141
- e1a3784ef065cea4a8c8402015028494c18e3cd235cbb13785d269452376b2f1
- 9232ac662ebf2460bc2eb68875b548eb2547f62c5f7799861cfc0bebf5bf1e53
- 23a91bb1cf1019f1b6aabfc249df42b57a76d78d09a33b39441206d62f416fc8
- b3b489585e8d6714ac05b79ae3e01cf3c93e51ebb5d16ccce2a6afcf4eb4c325
- c0f7e40dd057ab32aaecad7df71b22433ef7474a57e5a2e58ec7fd613dfc30b5
- a25bafcf74304d56beeb5395a0f801a743e27381ca95626f4720a48c966e3129
- 66449dde7d12706fb9ab6aafd690e077f5f37f11aa8b372a95d9e962763c7bc1
- e1f992137562f1cfe5d38f57f36ffac76dda729e102b6abaedda89970ba8c493
- 6072804f727f1f237b4fcddec9428449311d3cc54d9e0d284a68d300f3c858f6
- 2432fad4d84816155ea80075d686896de32304c8f453c01b029ad21e7eb17b13
- 9c93758e4b5767edaebb8bb39e0b7566715e2b610d2117bc6e1acf2578c973f5
- 67342ca4bada435d4e8d03d65342434f70909f54d4951412e18c49aeb72dcf47
- 346cf5120e5d1512f879d14111254ba68e3eaa3d3ea6f02977cd835725521984

- 288384c983496978fdda879847525e26194761394d62febeb922284cbeba0c9d
- 722b92a1f10fd2cac878ab7f9e3a120d656a245e40cc13a0bc619eb63362768d
- 5a011ceb0bf539ac5cc7e89b85dd7b742d94093fe84153d647fa18f16e7cac06
- 0304ce1dbaf1cf933f7d63dc559101b5899af7e07fef52abc38de430a428fce2
- 1f63371f2b2a5f340ea3c4d211b1fe0d6197e3a00e87cae49e873ae8964e8810

Coverage

PRODUCT	PROTECTION
AMP	✓
CWS	✓
Email Security	✓
Network Security	N/A
Threat Grid	✓
Umbrella	N/A
WSA	✓

Screenshots of Detection AMP



ThreatGrid

Behavioral Indicators	Threat Score: 100
• Ransomware Backup Detection Detected	Severity: 100 Confidence: 100
• Shadow Copy Detection Detected	Severity: 100 Confidence: 100
• Antimalware Flagged Malware by Antivirus Service	Severity: 100 Confidence: 88
• Process Attempted to Access the Firefox Password Manager Local Database	Severity: 95 Confidence: 75
• WSMC Load to Kill a Process	Severity: 75 Confidence: 100
• Antimalware Flagged by Antivirus	Severity: 80 Confidence: 88
• Antivirus Contains an Excessively Long String	Severity: 80 Confidence: 88
• WSMC Load to Launch a Process	Severity: 80 Confidence: 100
• Process Modified the Internet Proxy Autoconfig Setting	Severity: 75 Confidence: 88
• Process Modified File in a User Directory	Severity: 75 Confidence: 88
• Command Exe File Execution Detected	Severity: 75 Confidence: 88
• Process Created a File in the Windows Start Menu Folder	Severity: 80 Confidence: 88
• PE Resource Indicates Russian Origin	Severity: 80 Confidence: 88
• Executable with Encrypted Sections	Severity: 80 Confidence: 88

Malware Screenshot



Source: <https://blog.talosintelligence.com/2017/03/threat-roundup-0324-0331.html>