

# WastedLocker: Symantec Identifies Wave of Attacks Against U.S. Organizations

 [symantec-enterprise-blogs.security.com/blogs/threat-intelligence/wastedlocker-ransomware-us](https://symantec-enterprise-blogs.security.com/blogs/threat-intelligence/wastedlocker-ransomware-us)



Symantec, a division of Broadcom, has identified and alerted our customers to a string of attacks against U.S. companies by attackers attempting to deploy the WastedLocker ransomware (Ransom.WastedLocker) on their networks. The end goal of these attacks is to cripple the victim's IT infrastructure by encrypting most of their computers and servers in order to demand a multimillion dollar ransom. At least 31 customer organizations have been attacked, meaning the total number of attacks may be much higher. The attackers had breached the networks of targeted organizations and were in the process of laying the groundwork for staging ransomware attacks.

WastedLocker is a relatively new breed of targeted ransomware, documented just prior to our publication by NCC Group, while Symantec was performing outreach to affected networks. WastedLocker has been attributed to the notorious "Evil Corp" cyber crime outfit. Evil Corp has previously been associated with the Dridex banking Trojan and BitPaymer ransomware, which are believed to have earned their creators tens of millions of dollars. Two Russian men who are alleged to be involved in the group have open indictments against them in the U.S.

The attacks begin with a malicious JavaScript-based framework known as SocGhosh, tracked to more than 150 compromised websites, which masquerades as a software update. Once the attackers gain access to the victim's network, they use Cobalt Strike commodity malware in tandem with a number of living-off-the-land tools to steal credentials, escalate privileges, and move across the network in order to deploy the WastedLocker ransomware on multiple computers.

## Discovery

The attacks were proactively detected on a number of customer networks by Symantec's Targeted Attack Cloud Analytics, which leverages advanced machine learning to spot patterns of activity associated with targeted attacks. The activity was reviewed by Symantec's Threat Hunter team (part of Symantec's Endpoint Security Complete offering) who verified it and quickly realized it corresponded closely to publicly documented activity seen in the early stages of WastedLocker attacks.

This discovery enabled us to identify further organizations that had been targeted by WastedLocker and identify additional tools, tactics, and procedures used by the attackers, helping us to strengthen our protection against every stage of the attack.

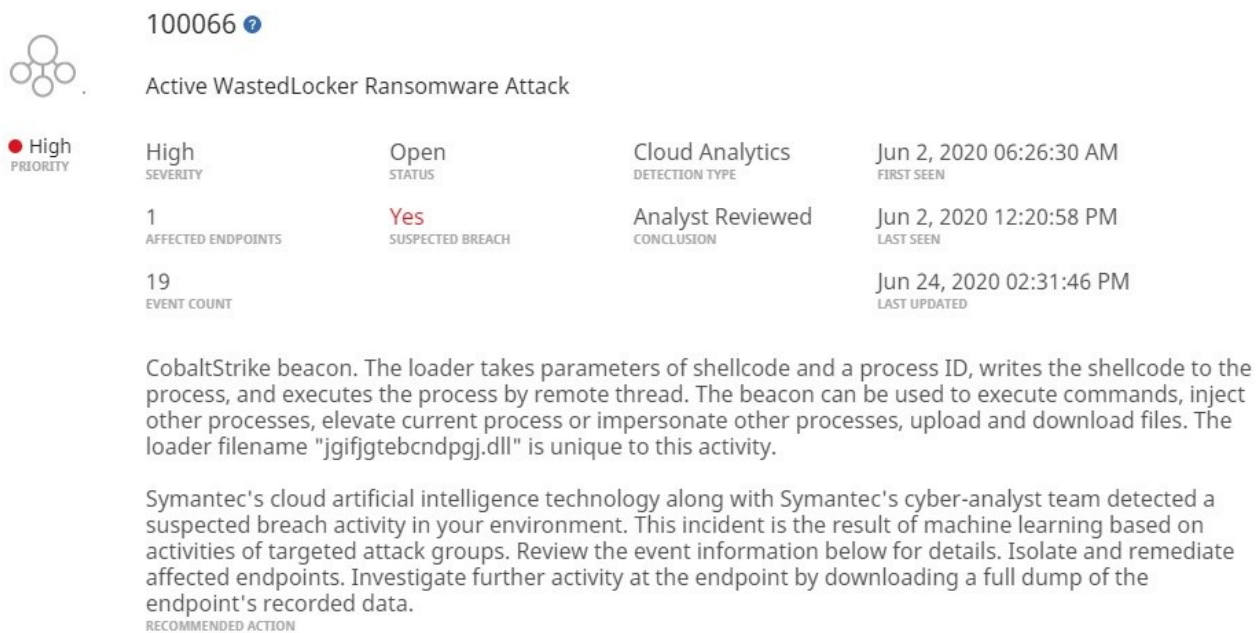


Figure 1. Example of Targeted Attack Cloud Analytics alert received by Symantec Endpoint Detection and Response (EDR) customers, warning them of early stage WastedLocker activity on their networks

## Major corporations in the crosshairs

Symantec has uncovered attacks against 31 organizations to date, all of which were located in the U.S. The vast majority of targets are major corporations, including many household names. Aside from a number of large private companies, there were 11 listed companies, eight of which are Fortune 500 companies. All but one of the targeted organizations are U.S. owned, with the exception being a U.S.-based subsidiary of an overseas multinational.

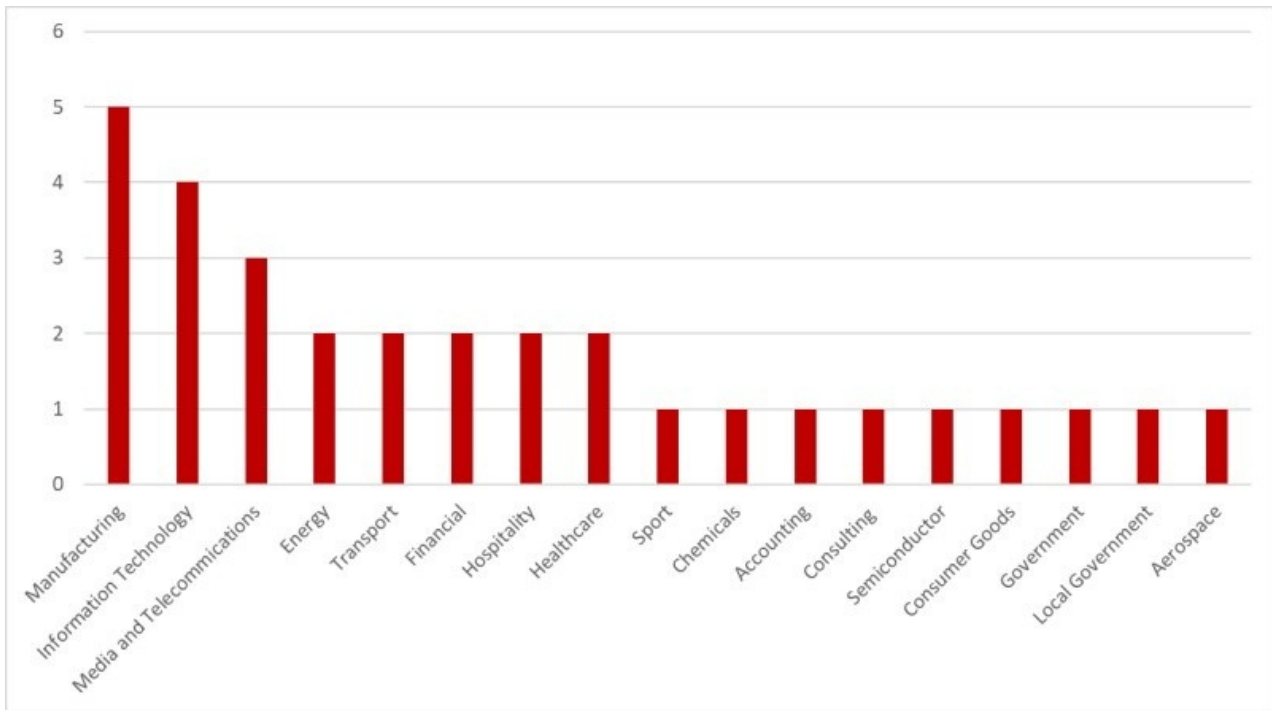


Figure 2. WastedLocker targets by industry sector

Organizations in a diverse range of sectors were attacked. Manufacturing was the sector most affected, accounting for five targeted organizations. This was followed by Information Technology (four) and Media and Telecommunications (three). Had the attackers not been disrupted, successful attacks could have led to millions in damages, downtime, and a possible domino effect on supply chains.

## How WastedLocker attacks unfold

The initial compromise of an organization involves the SocGhosh framework, which is delivered to the victim in a zipped file via compromised legitimate websites. Symantec has discovered at least 150 different legitimate websites that refer traffic to websites hosting the SocGhosh zip file. It is possible that these websites lead to different malware, as such redirection services can be utilized by multiple actors at the same time.

The zipped file contains malicious JavaScript, masquerading as a browser update. A second JavaScript file is then executed by `wscript.exe`. This JavaScript first profiles the computer using commands such as `whoami`, `net user`, and `net group`, then uses PowerShell to download additional discovery related PowerShell scripts.

The next stage of the attack is to deploy Cobalt Strike. PowerShell is used to download and execute a loader from a domain publicly reported as being used to deliver Cobalt Strike as part of WastedLocker attacks. The loader also shared a command and control (C&C) domain with this reported Cobalt Strike infrastructure. The loader contained a .NET injector, also reportedly seen in WastedLocker attacks. The injector, along with the loader for Cobalt Strike Beacon, is reportedly taken from an open-source project called Donut, which is designed to help inject and execute in-memory payloads.

The injected payload is known as Cobalt Strike Beacon and can be used to execute commands, inject other processes, elevate current processes or impersonate other processes, and upload and download files. The Get-NetComputer command from PowerView is renamed by the attackers to a random name. This command was then seen searching for all the computer objects in the Active Directory database with filter condition like \*server\* or \*2003\* or \*7\* (returning all Windows Server, Windows Server 2003, or Windows 7 instances). The attackers then logged this information in a .tmp file.

Privilege escalation was performed using a publicly documented technique involving the Software Licensing User Interface tool (slui.exe), a Windows command line utility that is responsible for activating and updating the Windows operating system.

The attackers used the Windows Management Instrumentation Command Line Utility (wmic.exe) to execute commands on remote computers, such as adding a new user or executing additional downloaded PowerShell scripts. Cobalt Strike was also used to carry out credential dumping using ProcDump and to empty log files.

In order to deploy the ransomware, the attackers use the Windows Sysinternals tool PsExec to launch a legitimate command line tool for managing Windows Defender (mpcmdrun.exe) to disable scanning of all downloaded files and attachments, remove all installed definitions, and, in some cases, disable real-time monitoring.

It is possible that the attackers use more than one technique to perform this task, since NCC reported suspected use of a tool called SecTool checker for this purpose.

PsExec is then used to launch PowerShell which uses the win32\_service WMI class to retrieve services and the net stop command to stop these services. After Windows Defender is disabled and services have been stopped across the organization, PsExec is used to launch the WastedLocker ransomware itself, which then begins encrypting data and deleting shadow volumes.

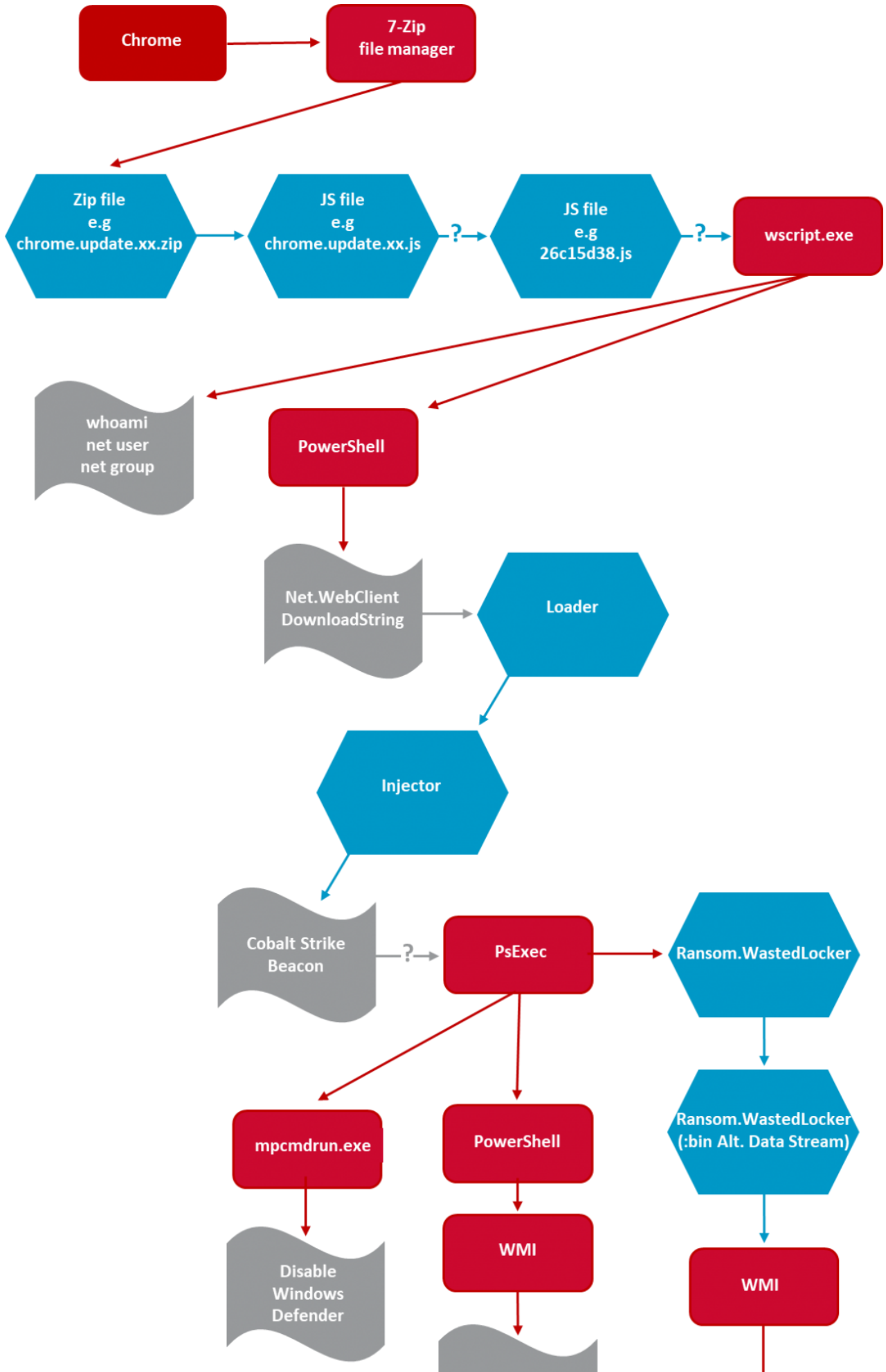




Figure 3. WastedLocker attack chain

## Immediate threat to corporations

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The attackers behind this threat appear to be skilled and experienced, capable of penetrating some of the most well protected corporations, stealing credentials, and moving with ease across their networks. As such, WastedLocker is a highly dangerous piece of ransomware. A successful attack could cripple the victim's network, leading to significant disruption to their operations and a costly clean-up operation.

## Protection/Mitigation

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The following protections are in place to protect customers against WastedLocker attacks and associated activity:

### File-based protection

- Ransom.WastedLocker
- Ransom.WastedLocker!g1
- Ransom.WastedLocker!gm
- Trojan.Gen.2
- Trojan Horse
- Trojan.Gen.MBT
- Downloader
- JS.Downloader
- Packed.Generic.459
- ISB.Downloader!gen403
- ISB.Downloader!gen404
- Heur.AdvML.B
- Heur.AdvML.C
- SONAR.SuspLaunch!g18

### Intrusion Prevention

- System Infected: Trojan.Backdoor Activity 478
- Malicious Site: Malicious Domains Request
- System Infected: Trojan.Backdoor Domains 2
- Web Attack: Fake Browser Update 8

## Indicators of Compromise

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Note: C&C domains linked to this activity have been reported by Symantec to the relevant registrar.

IOC	De- scrip- tion
2f72550c99a297558235caa97d025054f70a276283998d9686c282612ebd-beao	Cobalt Strike loader
389f2000a22e839ddafb28d9cf522bob71e303e0ae89e5fc2cd5b53ae9256848	Cobalt Strike loader
3dfb4e7ca12b7176aocf12edce288b26a970339e6529a0b2dad7114bba0e16c3	Cobalt Strike loader
714e0ed61boae779af573dce32cbc4d70d23ca6cfe117b63f53ed3627d121feb	Cobalt Strike loader
810576224c148d673f47409a34bd8c7f743295d536f6d8e95f22ac278852a45f	Cobalt Strike loader
83710bbb9d8d1cf68b425f52f2fb29d5ebbbd05952b60fb3f09e609dfcf1976c	Cobalt Strike loader
91e18e5e048b39dfc8d250ae54471249d59c637e7a85981ab0c81cf5a4b8482d	Cobalt Strike loader
adabf8c1798432b766260ac42ccdd78e0a4712384618a2fc2e3695ff975b0246	Cobalt Strike loader
b0354649de6183d455a454956c008eb4dec093141af5866c-c9ba7b314789844d	Cobalt Strike loader
bc1c5fecadc752001826b736810713a86cfa64979b3420ab63fe97ba7407f068	Cobalt Strike loader
c781c56d8c8daedbed9a15fb2ece165b96fdda1a85d3beeba6bb3bc23e917c90	Cobalt Strike loader

IOC	Description
c7cde31daa7f5d0923f9c7591378b4992765eac12efa75c1baaaefa5f6bdb2b6	Cobalt Strike loader
f093b0006ef5ac52aa1d51fee705aa3b7b10a6af2acb4019b7bc16da4cabb5a1	Cobalt Strike loader
6088e7131b1b146a8e573c096386ff36b19bfad74c881ca68eda29bd4cea3339	.NET injector (Donut)
5cd04805f9753ca08b82e88c27bf5426d1d356b-b26b281885573051048911367	WastedLocker
887aac61771af200f7e58bfodo2cb96d9befa11deda4e448foa70occb186ce9d	WastedLocker
8897db876553f942b2eb4005f8475a232bafb82a50-ca7761a621842e894a3d80	WastedLocker
bcdac1a2b67e2b47f8129814dca3bcf7d55404757eb09f1c3103f57da3153ec8	WastedLocker
e3bf41de3a7edf556d43b6196652aa036e48a602bb3f7c98af9dae992222a8eb	WastedLocker
ed0632acb266a4ec3f51dd803c8025bccd654e53c64e-b613e203c590897079b3	WastedLocker
63c316ccc8d27a4368ae4bdbb0fe915e109c6680107211977a028eaad9786e8	Embedded JS
aa05e7a187ddec2e11fc1c9eafe61408d085boab6cd12caef531c9dca129772	WastedLocker
817704ed2f654929623d9d3e4b71ce0082ef4eadb3fe2d80c726e874dc6952a3	WastedLocker



IOC	Description
612a21c0b8501f13544cc00c79599ae11c4786aa7268cf887d59738bd4f92afc	Possible WastedLocker
f0520c25fd656c465dc55b5eada41dbdo42f46be93fb3678d046ed9f6a90a149	Zip file containing JS chrome update
8ed034f6b236f254e1f5f49e900398ff4c6b9a7914ce70fboe29ef5a2b0799e1	JS chrome update
023f1efocc2c1e055b05ae1ff5bcc6bf2421003dea227aeb6d70c8a525fa3b82	Zloader
85f391ecd480711401f6da2f371156f995dd5cff7580f37791e79e62b91fd9eb	WastedLocker
d8cdf823efe1bd2eco19bd32890d40b34695cbf7ce9e0b7780e96f7d32b5b4fc	Soc-Ghosh Zip file
1b03c872c85b00b2ef2e2f9e5e3f85b703ee2190374d8aaba4da065f54efd21f	Soc-Ghosh Zip file
2334c93c4f6ae3d370a8e7ad57c72e67d950b2842360105d3074a3fdbcea6e6c	Soc-Ghosh Zip file
6ee2884c7dfcf85030e4c26e68b3d65a6a8dd3b502f895938fca86653bfa171e	Soc-Ghosh Zip file
1346085caf84eedcd8437b31b6549aa3a5f88b168efc165b67acde907d2ee691	Soc-Ghosh Zip file
00e55499c1fce017d25e27201f2919502797180264ef67a6bc8da2fob6fe89ac	Soc-Ghosh Zip file

IOC	Description
8f18111a4d45ecbcaa5d409afdao1bff59a335f6e92895d3422f21465e6e070e	Soc-Gholish Zip file
34c40cee6ec17b6b76249bea42dab11380310dfobb5f1fd687be5648025cf887	Soc-Gholish Zip file
47aecefb1b8c20d1ac705581fb84331aa96bacoba11a9dd9dcb3afe782d662d3	Soc-Gholish Zip file
52a8a9afe1637e8faa39894d4b7ec8857aadec8c631469a982d5d0860a6f3511	Soc-Gholish Zip file
8e8e911906e2881dab603fb446c1ca98e-b989e4b1a933496b3c49e64e3d34d33	Soc-Gholish Zip file
5d282476a27409c1eaa8d68f46bcc69f3027840a87a16159c25c0e49e87d8f9a	Soc-Gholish Zip file
a1849335f5a9d185c514f1b963de6c9599e375046292e07feb6fec30e26a4c54	Soc-Gholish Zip file
4df28f81d5c9e84d96137ff0a24c9902589af1f120742441ed49e68e601b9d87	Soc-Gholish Zip file
effa6018b4d8b48e59684dc66c64a08658e118a43715f6d0902d7c83d-b3902co	Soc-Gholish Zip file
912c405cf9506288c18984f92d66f1fd263b999c2f4a346a8e133dcb84656of9	Soc-Gholish Zip file
5eb57802b26631c22ed4ebe9f252cd22822a04a2f28a594aaf4bc4887d33caf5	Soc-Gholish Zip file
d3705a1fd6c1736aeabcae24bc6d247e6bcbe2168523b9788a22714fb165bfec	Soc-Gholish Zip file

<b>IOC</b>	<b>Description</b>
d9717e971ac44f6233b3f5854f9b264040250aa39d74bfa227a4b4602b6eb832	Soc-Gholish Zip file
1150850a7cc92b753cc9f51db547ea675f177ce290652368599a49cfa2826d34	Soc-Gholish Zip file
cd04bf5e9383f717975e4b2e901d04782c9cab00099a5ado6a8a9429bd4cf9a5	Soc-Gholish Zip file
a8fa11b8402bcdcf1c6cae98dba90568fdf734ba4bo83d68566b5adfa66c8327	Soc-Gholish Zip file
e38ae05677ea8137a432307214816e0c17fe22e42c2c4279e89d5019a4599acd	Soc-Gholish Zip file
e14257ac1f2ef19a21c7ef60c29b6dce9f63d198746d59046198fa254d9d3a54	Soc-Gholish Zip file
ec1674ec04b9b12378198526546a43a19ad3720f5a57b9b420386a17ccof8983	Soc-Gholish Zip file
94e17bod20a458b997a43d6c5aace62454e1168080574c5e472cf152046d7540	Soc-Gholish Zip file
90221dec6d92d6f76af0240d3968a8503e821955d3cc3acf30527bc8f2a65e9c	Soc-Gholish Zip file
36d6f04bbb409bc6e74cf4d8bbc11f250789cb2de14e243ffe891b0f75145549	Soc-Gholish Zip file
bcddb155313a76b05e4758c6071c3ff26b3c383d705c90c0015f68e7d11f504d	Soc-Gholish Zip file
92b79542921cab76d001d785dceb5c4f55cfa9d3a51cbc99a3e2db1cce4892e6	Soc-Gholish Zip file

IOC	Description
b349848b0357abd4be79b456e1019305c5105892eab768b85bc89-da1932f3d22	Soc-Gholish Zip file
289a5876bae1f28fd3817a7fc010e2dc2205372c0eeb957dce009fa10b57bd9	Soc-Gholish Zip file
6215316b10db41cf8ed697605074fdf59fd5967e98c62f03476d845ca46ff69e	Soc-Gholish Zip file
631c71d88a3dofdfbb22ed393eddc78276cob4abc85e2d0163b4edd603306fd6	Soc-Gholish Zip file
d83a6cddf932d129f49b871d8a42f8b1a885cbdc8ae3f44b215d409d8f7eaf05	Soc-Gholish Zip file
54c8ff32e714a1160235683a26bbf9cbaa267a45e20fa34544e9b9b3b2753cfc	Soc-Gholish Zip file
a5d3b330150b5de4e2d484fefe7cbbcf0273aa5f043c3d54c83437785e6af1d5	Soc-Gholish Zip file
61099171f2bce433e2a8cdb1d24811cc2f6c01b8d9f08f66f5023c97306aa9ca	Soc-Gholish Zip file
73a3d35902745b2b3e46efa884f711f6aa490a7961105ed1d735aco878fe8b26	Soc-Gholish Zip file
05a9ee3b90da5fcc6c4bb888125d0of36a150eb271f956793ef1d74cf57d1493	Soc-Gholish JS file
45d611f352993041e3da849597e9411f2d6682a65d6f324a474d4ad2b409cb3f	Soc-Gholish JS file
288ffd4ceba91bcc4a95036014f7a7615911b12f88f03db8d70c47bf3db8fod4	Soc-Gholish JS file

IOC	Description
90d8e358f27ff85b40b5cee46d636d5390b868ffc05d068a36b29f2dce6c62f6	Soc-Gholish JS file
fb576ea0d43d21a3899535ef2fe7c03c477259a899a90b4a266afoa391273a0e	Soc-Gholish JS file
7861cf7ec016aeda6db3472bf572d50c377400c2c59ba0b37705569c95510f09	Soc-Gholish JS file
b4df0635436d46418aa93aa72244ab8090463611132d7804decfbcb2fa1eff047	Soc-Gholish JS file
034ec5eb976e5243aa7df416b3657aof84cf28dfdfa896ac9f627631d64171d7	Soc-Gholish JS file
14c46c371127b3025ab7ee242f5f0b4e9397a39471004657f247722e3b9d9951	Soc-Gholish JS file
1b1b50285f7653c3e8e2190db2c3801ecaf1a1168f30fc38665f2715397c809b	Soc-Gholish JS file
6515a4b8f5447a644dd7c741ab062ac59b1b34bd1064435e0f43d282bd70e4d4	Soc-Gholish JS file
b70df428c04e69f3ac3aab97c93ca327eeff91005fc9a6b4a824caaae2df5f88	Soc-Gholish JS file
do679c245e7fdc321f10aed472d7dd41cc13cbad9adbceab1e378f61b02612d	Soc-Gholish JS file
736657779bfe8a99b9f75e8aabb3d517427cf9f2ae18d5f0461feod3fbf50145	Soc-Gholish JS file
82f3d67830c3680b71059c04002f6a0a0e0f20e82dd99bf877f37e753f1756eab	Soc-Gholish JS file

<b>IOC</b>	<b>Description</b>
d6020b5e4a6dc0df5f6b1b38b5912ac5a623224cd1c64a934c678e1a88fc8c38	Soc-Ghlish JS file
49fec94faae5ec209c8ab143088d8a2bc5359e71d14806ac035071c90c120d05	Soc-Ghlish JS file
e492d2f1c8d718a8ac06f15f3e21e1434d0ee1889cob4023901bf5cc680668e8	Soc-Ghlish JS file
5f30f3669e954b028b8aaabd84449bf1ddec5ca25b9ca6308fc6b68dc131fe57	Soc-Ghlish JS file
8279ff428765065945ffcc854c7b89f1449bcab42a7f41c9a8db98fb23104981	Soc-Ghlish JS file
abf625dob4fc46a57d102a460d08f948203abb18bd8fc6b349f724825deafb32	Soc-Ghlish JS file
7b6c382fd85e740ac83d88804b713bec5cccf42cb5ac55bc909d85d02a078921	Soc-Ghlish JS file
c9ad39666e0325afodb6ad5ceba49426989f1b79a1c7e948fd721041ea403b8b	Soc-Ghlish JS file
ef4a97b17c24569454cd9d28a37fb7acdf947e6067052da6ec3ae40d8ce48a01	Soc-Ghlish JS file
e69c70c23563cfc4eb975611bac2514e7210dacd24fa07236856261d797ba05c	Soc-Ghlish JS file
ffab63f7037817aa5f7f627c3b31b8ba8e9ded16e0c07044d477110978dab519	Soc-Ghlish JS file
1ae6f7888789d427431fd69bd79a0059a6d1faee77a271c0678f31b417a4dc87	Soc-Ghlish JS file

IOC	Description
061bdbf149adb99d3187ca21b6516ec0144711142bb7b97ee663261d9efe7560	Soc-Gholic JS file
89355cdc3fd592b2630764290ed-b340baoc24b69d82231b4c444f098080b53f7	Soc-Gholic JS file
bofd99793eb891f89de6b4757d10c8c58d3ee6e8139e2b594ac9f1116868f8ed	Soc-Gholic JS file
be7acff64e95605852c4a9a7be7d013e37d3975f59b2bad1381e1efof2fdo693	Soc-Gholic JS file
c1e90b1028c33a8296090bb4b280167b2af2bbe13a6505foefa72fbaf47d6610	Soc-Gholic JS file
740e254bf1030441581a1a90b84a34f770dc5ddacfc26f2bdcc21d1e1adf4117	Soc-Gholic JS file
17652ca0a0674f3d33aad5c5fc8aa83281a4c504a63b5a2b45a7ff06bf8db776a	Soc-Gholic JS file
f9ea04b6d8254480741f4dffcd5c71361446c3151a88af728c8fo2ded1662ebf	Soc-Gholic JS file
3c6ddfec71ofdc626eaedf335efod5e062b58bf2018c07cc4f86957dce84b15b	Soc-Gholic JS file
08c2a598370400b6ae2e821bca121ef1ae2109c63ea547f972c0ccc281bf958e	Soc-Gholic JS file
9551700ba4099618b7d89e375f508ce1dcf8c9838318017ddbeo81cocfob4693	Soc-Gholic JS file
1858d8of6fd6c6ff796357d49d7c453a7cf17583dcc8d2doc5be8a1695ad2of5	Soc-Gholic JS file

IOC	Description
39ea5c8bdf1f5c3345de71b78e9894081559c5b90720542b3ef3afe8432b1a4f	Soc-Gholish JS file
81cb83ad3095554ea36932e5c8ae2b96d013a19dadeb56e9f11ecba8eb804591	Soc-Gholish JS file
ce2b122a1204a1ab7effb52e7008661951bf192a1f184fe549a8bc09eeodf76e	Soc-Gholish JS file
5b1a2c9072623434e5fa9147359ce67eaoffd1f16ebcefc56670485f76084390	Soc-Gholish JS file
bcd670fa6c4c943b3b4375d833adf8e0cc909ca98fboc93414288e27dd80c2fa	Soc-Gholish JS file
2bfdac333098b55eb4c9b65f2a6da758c2990338c39f1a4ba552ea4b34a9b742	Soc-Gholish JS file
ed1dcf691183d593451e02d1e1b5ee8f1315b472efb9955foa0158134dec29f4	Soc-Gholish JS file
30a6e295d616c9c7a63853of4fcc4fc82c5496c8f69811eafodf42904c2fd3b9	Soc-Gholish JS file
96c6e2936ffc2797d86feaa19c912898e77dcb392df9808ed4a135f6cee99664	Soc-Gholish JS file
dab5af9b9a633ac329e40522341579a3ad6511ef293c1b6ce0274883af9fb9c9	Soc-Gholish JS file
733e4c6232b380c449dc906b60f5f15d29c9d49c3912a173eff15cfb6232b383	Soc-Gholish JS file
afa42b2f92b076e1dae6257e27bd6cfefb2102fbe3da569f233bd6b85cof88b8d	Soc-Gholish JS file



<b>IOC</b>	<b>Description</b>
2c8de9f78d25ec81d0408dea82a5e449f68c9cc9ffc8cca68efbbbdb9b7edda	Soc-Gholish JS file
4a1457a6589c201dd79c49e0aod19b3b742c7ec9eb8703ee998fcfcbed118f10	Soc-Gholish JS file
e96c47a7540c87778af38934d6coa35a68d83fb1da80b9499480b7a8ffbfd5ed	Soc-Gholish JS file
df068eb71951ff0950fbbc0595540818dd63d490e8f8ede46185ee75f20boa72	Soc-Gholish JS file
b3955aodeb80e5bc5baed0002d7e2761e1bod5165f02134ad7ee1151f91424bd	Soc-Gholish JS file
6e44875045594d2f22da11544c49336f6a242a1ad3e8eaeaf025cd61fb9e168a	Soc-Gholish JS file
038563215659a42d6d5b1009756716d969105e1f85155d9d1a6ff4c4d691fb3b	Soc-Gholish JS file
b935a4e4b589adb6cfff67ae9400caef9f8e087a5943a5feaec21361693c606	Soc-Gholish JS file
fe09d6a7df1e5817dof9c732coa17bdf4d51f1967c7ec1b2871051af7fdad78a	Soc-Gholish JS file
36cdac5b539227bc6dc88842bbe351478662ef6118b9145dec62aabd2c47c9c8	Soc-Gholish JS file
cf7734c8606a472aa2dbd38a74a6odff4e8a5doob05eb85ode535a7019cc9904	Soc-Gholish JS file
5a4a7e37686388fe6f887021e16ee2226a27263c329f98d1501426a8d7152630	Soc-Gholish JS file

IOC	Description
55cbedf65b3c49c4fd456beb9ba25b9e770d93a51fd303f15727b35d33b1cb9e	Soc-Gholish JS file
f6b546179d2b499e552e03001c2aa7c994f4c5e568113601dbab2dd7bbfb9429	Soc-Gholish JS file
9d5416ae461d9c4bef4e674aee34bee263261e734d22c8c0053d37d5b3aba56c	Soc-Gholish JS file
5d6920e744d44a0ed95boe6df-b6daf1953a2b3ac288c9821d77455584229338f	Soc-Gholish JS file
e2431e102d6ac41f91216e4a8b2bd93a126cd6988254406fcdd95340e3a0a219	Soc-Gholish JS file
2cd386577165e39c36f5274488f6796boe0634c33d42a9bbb432f58d-c1096d60	Soc-Gholish JS file
95658de9198378e20deb453fc888083864ea189c-cd87653a14e2c39c524e3d84	Soc-Gholish JS file
3e3b419541631e4f0d123993a1df52d49f3d2b9a484af44f5e302b3b4a58cc10	Soc-Gholish JS file
faba871c8af45b94a300400999aa3a26d8bc57f16095c5485d45c9a4bdd7e1db	Soc-Gholish JS file
13focf420ca489ddf33ee7551251c27e0b80aeabb77c082d164ceb3620ea89c7	Soc-Gholish JS file
b26917a47ceoc19deae73f23bd8f26f6ee8eaoc307590e9d2b7a42aa9ddee297	Soc-Gholish JS file
cbbcoa5e557785549766d538fe3bc1625b91b40fa74b910a7e654abc7doed7cf	Soc-Gholish JS file

IOC	Description
7c55d7753e22562c77d1d20e48293a233d9fbf84a654a0236f3edb3491809219	Soc-Gholish JS file
40876cec2391304003e3792afd49b8c41981daod8629b3edb7b7d-d42dbf16e45	Soc-Gholish JS file
73afcfba2476adode83a180a50e169878c070f8ee17c72doc8360706dcd32cd4	Soc-Gholish JS file
cfe3628d6bd279b2d43dcf8e7d3898893ea24fd2bf757fc51b764c0393b45976	Soc-Gholish JS file
ocbc11499a01fc3e712f30f5ceoffa88d23f490846c1a4ceoe7f5812af12edcc	Soc-Gholish JS file
42807830ede9edc495c8632210c8d7516c2b5foeod766e0a15of73dad9287eoc	Soc-Gholish JS file
oe0832d0970cc95d1ce326a8d59068cf5757b6720ef2f89411eafcb077117b32	Soc-Gholish JS file
284c097b60e2e3cc65ae4047df57be15c0c9ee87e554c841b63e26bc7b0febbf	Soc-Gholish JS file
8b04f39738a58cb4a46a13b50dcead651e1cc1a0e23caf8adfo0bc6d3e6ba684	Soc-Gholish JS file
9b06c7ce8c21e3439650dod6478f7ba35a63a61efe97496c8258963fb88181a2	Soc-Gholish JS file
05e8b6895b8e332foa5cd5cd8924f24259d2a07bd06ac8024e13e4f-f1960b002	Soc-Gholish JS file
0840ac2be80386f26506916419dd46211ba4ae8d-b797e36b519945980d3d34f3	Soc-Gholish JS file

IOC	Description
oe684b25abfe57646e5176ff7d139019de00deb1054984ba6a692c12abb15ca7	Soc-Gholish JS file
189341461b49056358fe3b5d20558dc132d83fca43560ac96dcce5994fddoc6	Soc-Gholish JS file
1c79ecod27c6f554eb2385b3a22c8d14c8443706de9bc8db77384b5fddo1007d	Soc-Gholish JS file
1dc737669cdc997dc3f43cbc2e38d31914610a348a7466d510649odf5fcb29ba	Soc-Gholish JS file
241aab6bbfb5fe9294dd227b5834fc3837fc5c2a5cbccd3f66ca959052bd3b2e	Soc-Gholish JS file
26dfeae63654feb8fe8c70f9d6fc87d748e3a302cf126210b38338bd5ed68fcc	Soc-Gholish JS file
314e16b5713ca7e8604d07a3e0058f46ebc373896aeoc19abae6a624908c2f68	Soc-Gholish JS file
3b467fc5992d420c5ffdb029a7ad167a5cfabba251746f96414542f4bc7a4434	Soc-Gholish JS file
3ce5510452f63e74f339c80c98dd358cb266952f0184dbobebf9b2621a81b32e	Soc-Gholish JS file
4doba946c29c97ca509b86ea952c284deoc3ba20018570c16a2c39f82a36f19d	Soc-Gholish JS file
593fc97f711838ebfc63823ebb1dca6278dc9a5fb4a209a3bcbo664dfccddo6	Soc-Gholish JS file
67e554dda076f496727b9b08b7982f03e803533bdefbob62c8562dc8ob-d3aa78	Soc-Gholish JS file

<b>IOC</b>	<b>Description</b>
7bdf7c6ed58ab59b872e41a1da6c548c5a150546841c2f9179b242e112a05390	Soc-Gholic JS file
877fd840276394386ef9f1efe989cf5d95533c15229f2a5b4aa25fbefe553ba3	Soc-Gholic JS file
8edo34f6b236f254e1f5f49e900398ff4c6b9a7914ce70fboe29ef5a2b0799e1	Soc-Gholic JS file
a63d0089053e761e518698ef6cfad7cf48odd23a936812a23bded97279516b91	Soc-Gholic JS file
afe70907f37be1fa8285e5c2e9caa99d552c715244e731d17f681307b8515971	Soc-Gholic JS file
b1aodcd29e184b3d71cf201ee04db44316390d6d45b3f13719dfad26a204498c	Soc-Gholic JS file
b4f397035d5d1c02011df84bc8a3fd9e3beea02808bd3f40335a2b8be50b114a	Soc-Gholic JS file
b73583872a08cfd1d301024fc4a64e4cba9a88a4413089fb1ee04257a9723e91	Soc-Gholic JS file
c5e591eb216820efc4887b2b2e2f956937e9aeb6422577f4710cd1d73709bf14	Soc-Gholic JS file
d0759bb3342894677588eef9affe52779f1563cc8b5ee1c58ffe3f0360dab5aa	Soc-Gholic JS file
db42110a03f606bf9196297933c9eof5fed4a293d98ad3b47dc981a7da480f06	Soc-Gholic JS file
e44ba11de9be266b5a09e7159fa7783f1cfob8a2714399402a215425e37a1cc9	Soc-Gholic JS file

<b>IOC</b>	<b>Description</b>
eb557f64f52a6090a65c5415e47f4e99b0cb8fb9938d31863954ce84883fe730	Soc-Ghlish JS file
f0520c25fd656c465dc55b5eada41dbdo42f46be93fb3678do46ed9f6a90a149	Soc-Ghlish JS file
f534550d7f45febddd4f73634e13870889e16d9347cb55dd5438a8d1859e3b01	Soc-Ghlish JS file
f5d4366ffbf7ff84ee4ed8eb8ddda39fe78a41e9b0138baa9c0627c65c5934be	Soc-Ghlish JS file
sodality.mandmsolicitorscom	Domain
advokat-hodonin.info/gate.php	Domain
penaz.info/gate.php	Domain
lgrarcosbann.club/index.php	Domain
cofeedback.com	Domain
consultane.com	Domain
feedbackgive.com	Domain
msoftwares.info	Domain
mwebsoft.com	Domain
net-giftshop.info	Domain
rostraffic.com	Domain
traffichi.com	Domain
typiconsult.com	Domain
websitesbuilder.info	Domain
backup.awarfaregaming.com	Domain
click.clickanalytics208.com	Domain
connect.clevelandskin.com	Domain

<b>IOC</b>	<b>Description</b>
connect.clevelandskin.net	Domain
connect.clevelandskin.org	Domain
cushion.aiimss.com	Domain
link.easycounter210.com	Domain
rocket2.new10k.com	Domain
track.positiverefreshment.org	Domain
185.189.151.38	IP Address
185.162.235.167	IP Address
185.82.127.38	IP Address
195.123.227.225	IP Address
38.135.104.189	IP Address
88.119.175.104	IP Address
91.219.237.36	IP Address
91.236.116.63	IP Address

We would like to thank Namecheap for their assistance in suspending some domains associated with this attack.



The Critical Attack Discovery and Intelligence team is a group of security experts within Symantec whose mission is to investigate targeted attacks, drive enhanced protection in Symantec products, and offer analysis that helps customers respond to attacks.