ID: 553113
Sample Name: CSxylfUJcL
Cookbook: default.jbs
Time: 10:36:05
Date: 14/01/2022
Version: 34.0.0 Boulder Opal

Table of Contents

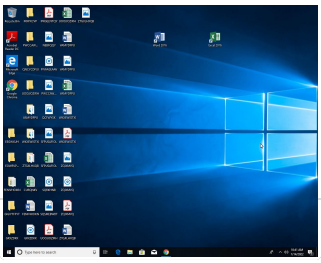
Windows Analysis Report CSxylfUJcL

Overview

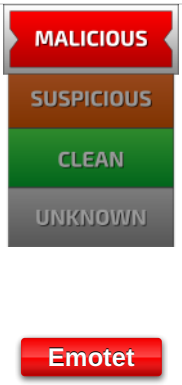
General Information

Sample Name:	CSxylfUJcL (renamed file extension from none to dll)
Analysis ID:	553113
MD5:	fa7ab814336d3ee.
SHA1:	73e1844abe6d99..
SHA256:	c89c49c3e8e378…
Tags:	32 dll exe
Infos:	

Most interesting Screenshot:



Detection

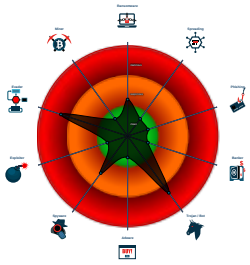


Score:	96
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Found malware configuration
- Snort IDS alert for network traffic (e…
- Multi AV Scanner detection for subm…
- Yara detected Emotet
- System process connects to networ…
- Machine Learning detection for samp…
- Sigma detected: Suspicious Call by …
- C2 URLs / IPs found in malware con…
- Hides that the sample has been dow…
- Uses 32bit PE files
- Queries the volume information (nam…
- Contains functionality to check if a d…

Classification



Process Tree

- **System is w10x64**
- loaddll32.exe (PID: 7112 cmdline: loaddll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll" MD5: 7DEB5DB86C0AC789123DEC286286B938)
  - cmd.exe (PID: 7132 cmdline: cmd.exe /C rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",#1 MD5: F3BDBE3BB6F734E357235F4D5898582D)
    - rundll32.exe (PID: 7160 cmdline: rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",#1 MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
      - rundll32.exe (PID: 6048 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
  - regsvr32.exe (PID: 7148 cmdline: regsvr32.exe /s C:\Users\user\Desktop\CSxylfUJcL.dll MD5: 426E7499F6A7346F0410DEAD0805586B)
    - rundll32.exe (PID: 5820 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
  - rundll32.exe (PID: 6172 cmdline: rundll32.exe C:\Users\user\Desktop\CSxylfUJcL.dll,DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
    - rundll32.exe (PID: 5380 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Windows\SysWOW64\Ovttmq\chwg.qvw",xKUTPckNvcwxvZR MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
      - rundll32.exe (PID: 5132 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Windows\System32\Ovttmq\chwg.qvw",DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
- svchost.exe (PID: 5536 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 5952 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 3452 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 6400 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 6980 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p -s BITS MD5: 32569E403279B3FD2EDB7EBD036273FA)
- **cleanup**

Malware Configuration

Threatname: Emotet

```
{
  "C2 list": [
    "45.138.98.34:80",
    "69.16.218.101:8080",
    "51.210.242.234:8080",
    "185.148.168.220:8080",
    "142.4.219.173:8080",
    "54.38.242.185:443",
    "191.252.103.16:80",
    "104.131.62.48:8080",
    "62.171.178.147:8080",
    "217.182.143.207:443",
    "168.197.250.14:80",
    "37.44.244.177:8080",
    "66.42.57.149:443",
    "210.57.209.142:8080",
    "159.69.237.188:443",
    "116.124.128.206:8080",
    "128.199.192.135:8080",
    "195.154.146.35:443",
    "185.148.168.15:8080",
    "195.77.239.39:8080",
    "207.148.81.119:8080",
    "85.214.67.203:8080",
    "190.90.233.66:443",
    "78.46.73.125:443",
    "78.47.204.80:443",
    "37.59.209.141:8080",
    "54.37.228.122:443"
  ],
  "Public Key": [
    "RUNLMSAAAADYNZPXY4tQxd/N4Wn5sTYAm5tUOxY2ol1ELrI4MNhHNi640vSLasjYTHpFRBoG+o84vtr7AJachCzOHjaAJFCW",
    "RUNTMSAAAAD0LxqDNhonUYwk8sqo7IWuUllRdUiUBnACc6romsQoe1YJD7wIe4AheqYofpZFucPDXCZ0z9i+ooUffqeoLZU0"
  ]
}
```


Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000005.00000002.353899484.00000000047F1000.00000020.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000004.00000002.354941726.0000000005411000.00000020.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000005.00000002.354039628.0000000004851000.00000020.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000005.00000002.353678279.00000000046C1000.00000020.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000004.00000002.354572676.0000000005220000.00000040.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	

Click to see the 21 entries

Unpacked PEs

Source	Rule	Description	Author	Strings
4.2.rundll32.exe.5280000.8.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
4.2.rundll32.exe.5110000.2.raw.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
5.2.rundll32.exe.4690000.2.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
4.2.rundll32.exe.4b30000.0.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
5.2.rundll32.exe.47c0000.4.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	

Click to see the 34 entries

Sigma Overview

System Summary:

Sigma detected: Suspicious Call by Ordinal

Jbx Signature Overview

Click to jump to signature section

AV Detection:

Found malware configuration

Multi AV Scanner detection for submitted file

Machine Learning detection for sample

Networking:

Snort IDS alert for network traffic (e.g. based on Emerging Threat rules)

System process connects to network (likely due to code injection or exploit)

C2 URLs / IPs found in malware configuration

E-Banking Fraud:

Yara detected Emotet

System Summary:

Hooking and other Techniques for Hiding and Protection:

Hides that the sample has been downloaded from the Internet (zone.identifier)

HIPS / PFW / Operating System Protection Evasion:

System process connects to network (likely due to code injection or exploit)

Stealing of Sensitive Information:

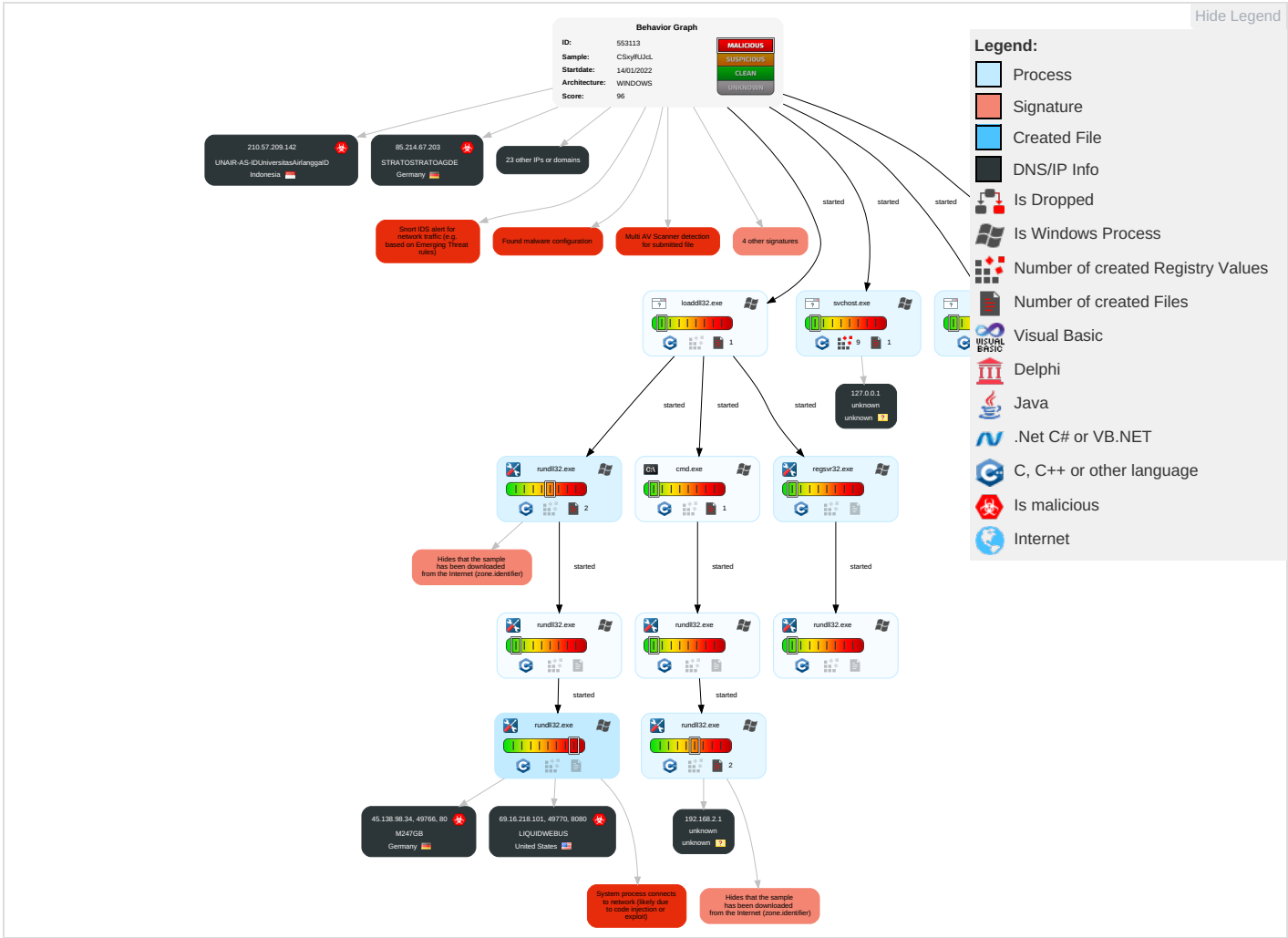
Yara detected Emotet

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control
Valid Accounts	Native API 1	DLL Side-Loading 1	Process Injection 1 1 1	Masquerading 2	Input Capture 1	System Time Discovery 1	Remote Services	Input Capture 1	Exfiltration Over Other Network Medium	Encrypted Channel 1
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	DLL Side-Loading 1	Virtualization/Sandbox Evasion 3	LSASS Memory	Query Registry 1	Remote Desktop Protocol	Archive Collected Data 1	Exfiltration Over Bluetooth	Non-Standard Port 1
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Process Injection 1 1 1	Security Account Manager	Security Software Discovery 4 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Ingress Tool Transfer 1

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Deobfuscate/Decode Files or Information 1	NTDS	Virtualization/Sandbox Evasion 3	Distributed Component Object Model	Input Capture	Scheduled Transfer	Application Layer Protocol 1
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Hidden Files and Directories 1	LSA Secrets	Application Window Discovery 1	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Obfuscated Files or Information 2	Cached Domain Credentials	Remote System Discovery 1	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication
External Remote Services	Scheduled Task	Startup Items	Startup Items	Regsvr32 1	DCSync	File and Directory Discovery 1	Windows Remote Management	Web Portal Capture	Exfiltration Over Alternative Protocol	Commonly Used Port
Drive-by Compromise	Command and Scripting Interpreter	Scheduled Task/Job	Scheduled Task/Job	Rundll32 1	Proc Filesystem	System Information Discovery 4 5	Shared Webroot	Credential API Hooking	Exfiltration Over Symmetric Encrypted Non-C2 Protocol	Application Layer Protocol
Exploit Public-Facing Application	PowerShell	At (Linux)	At (Linux)	DLL Side-Loading 1	/etc/passwd and /etc/shadow	System Network Connections Discovery	Software Deployment Tools	Data Staged	Exfiltration Over Asymmetric Encrypted Non-C2 Protocol	Web Protocols
Supply Chain Compromise	AppleScript	At (Windows)	At (Windows)	File Deletion 1	Network Sniffing	Process Discovery	Taint Shared Content	Local Data Staging	Exfiltration Over Unencrypted/Obfuscated Non-C2 Protocol	File Transfer Protocols

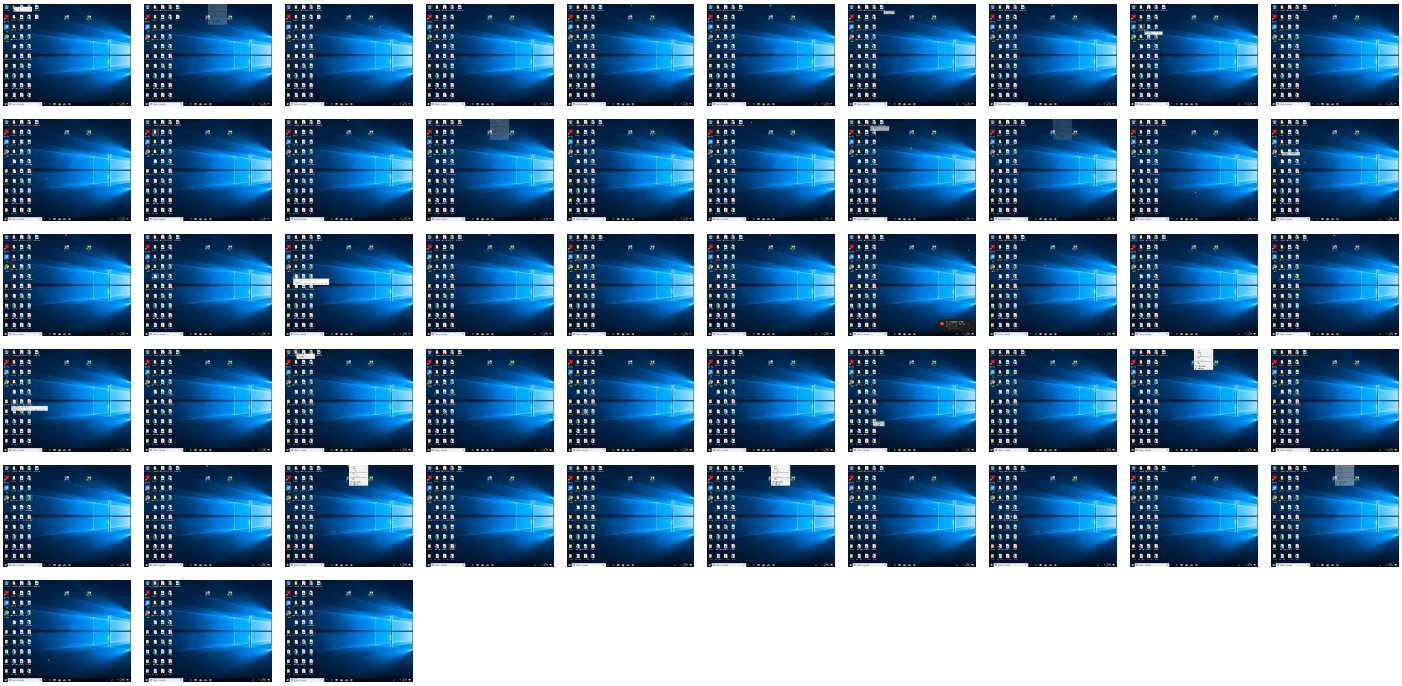
Behavior Graph



Screenshots

Thumbnails

This section contains all screenshots as thumbnails, including those not shown in the slideshow.



Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample

Source	Detection	Scanner	Label	Link
CSxylfUJcL.dll	21%	Virustotal		Browse
CSxylfUJcL.dll	33%	ReversingLabs	Win32.Trojan.Emotet	
CSxylfUJcL.dll	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
5.2.rundll32.exe.4850000.7.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.53e0000.10.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.5280000.8.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
5.2.rundll32.exe.4060000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.4b30000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
3.2.rundll32.exe.4a40000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.5410000.11.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
5.2.rundll32.exe.4690000.2.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
2.2.regsvr32.exe.3230000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
5.2.rundll32.exe.4190000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
5.2.rundll32.exe.47c0000.4.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
5.2.rundll32.exe.4820000.6.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.52b0000.9.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
5.2.rundll32.exe.47f0000.5.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
3.2.rundll32.exe.4c00000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.5250000.7.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
5.2.rundll32.exe.46c0000.3.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.4c70000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.51f0000.5.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
6.2.rundll32.exe.2ad0000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.51c0000.4.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
2.2.regsvr32.exe.4b80000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.5110000.2.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
6.2.rundll32.exe.2a80000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.5140000.3.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.5220000.6.unpack	100%	Avira	HEUR/AGEN.1145233		Download File

Domains

Source	Detection	Scanner	Label	Link
windowsupdate.s.llnwi.net	0%	Virustotal		Browse

URLs

Source	Detection	Scanner	Label	Link
http://https://www.disneyplus.com/legal/your-california-privacy-rights	0%	URL Reputation	safe	
http://crl.ver)	0%	Avira URL Cloud	safe	
http://https://www.disneyplus.com/legal/privacy-policy	0%	URL Reputation	safe	
http://https://www.tiktok.com/legal/report/feedback	0%	URL Reputation	safe	
http://help.disneyplus.com.	0%	URL Reputation	safe	
http://crl.globals	0%	Avira URL Cloud	safe	
http://https://disneyplus.com/legal.	0%	URL Reputation	safe	

Domains and IPs

Contacted Domains

Name	IP	Active	Malicious	Antivirus Detection	Reputation
windowsupdate.s.llnwi.net	41.63.96.128	true	false	• 0%, Virustotal, Browse	unknown

URLs from Memory and Binaries

Contacted IPs

Public

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
207.148.81.119	unknown	United States		20473	AS-CHOOPAUS	true
104.131.62.48	unknown	United States		14061	DIGITALOCEAN-ASNUS	true
85.214.67.203	unknown	Germany		6724	STRATOSTRATOAGDE	true
191.252.103.16	unknown	Brazil		27715	LocawebServicosdeInternet SABR	true
168.197.250.14	unknown	Argentina		264776	OmarAnselmoRipollTDCNET AR	true
66.42.57.149	unknown	United States		20473	AS-CHOOPAUS	true
185.148.168.15	unknown	Germany		44780	EVERSCALE-ASDE	true
51.210.242.234	unknown	France		16276	OVHFR	true
217.182.143.207	unknown	France		16276	OVHFR	true
69.16.218.101	unknown	United States		32244	LIQUIDWEBUS	true
159.69.237.188	unknown	Germany		24940	HETZNER-ASDE	true
45.138.98.34	unknown	Germany		9009	M247GB	true
116.124.128.206	unknown	Korea Republic of		9318	SKB-ASSKBroadbandCoLtdKR	true
78.46.73.125	unknown	Germany		24940	HETZNER-ASDE	true
37.59.209.141	unknown	France		16276	OVHFR	true
210.57.209.142	unknown	Indonesia		38142	UNAIR-AS-IDUniversitasAirlanggaID	true
185.148.168.220	unknown	Germany		44780	EVERSCALE-ASDE	true
54.37.228.122	unknown	France		16276	OVHFR	true
190.90.233.66	unknown	Colombia		18678	INTERNEXASAESPCO	true
142.4.219.173	unknown	Canada		16276	OVHFR	true
54.38.242.185	unknown	France		16276	OVHFR	true
195.154.146.35	unknown	France		12876	OnlineSASFR	true
195.77.239.39	unknown	Spain		60493	FICOSA-ASES	true
78.47.204.80	unknown	Germany		24940	HETZNER-ASDE	true
37.44.244.177	unknown	Germany		47583	AS-HOSTINGERLT	true
62.171.178.147	unknown	United Kingdom		51167	CONTABODE	true
128.199.192.135	unknown	United Kingdom		14061	DIGITALOCEAN-ASNUS	true

Private

IP
192.168.2.1
127.0.0.1

General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	553113
Start date:	14.01.2022
Start time:	10:36:05
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 14m 0s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	CSxylfUJcL (renamed file extension from none to dll)
Cookbook file name:	default.jbs
Analysis system description:	Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211

Number of analysed new started processes analysed:	27
Number of new started drivers analysed:	0
Number of existing processes analysed:	0
Number of existing drivers analysed:	0
Number of injected processes analysed:	0
Technologies:	• HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal96.troj.evad.winDLL@22/7@0/29
EGA Information:	• Successful, ratio: 80%
HDC Information:	• Successful, ratio: 32.6% (good quality ratio 31.7%) • Quality average: 81.1% • Quality standard deviation: 23.3%
HCA Information:	• Successful, ratio: 100% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Adjust boot time • Enable AMSI • Override analysis time to 240s for rundll32
Warnings:	Show All

Simulations

Behavior and APIs

Time	Type	Description
10:38:06	API Interceptor	10x Sleep call for process: svchost.exe modified

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASN

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

C:\ProgramData\Microsoft\Network\Downloader\edb.chk	
Process:	C:\Windows\System32\svchost.exe
File Type:	data
Category:	dropped
Size (bytes):	8192
Entropy (8bit):	0.3593198815979092
Encrypted:	false
SSDEEP:	12:SnaaD0JcaaD0JwQQU2naaD0JcaaD0JwQQU:4tgJctgJw/tgJctgJw
MD5:	BF1DC7D5D8DAD7478F426DF8B3F8BAA6
SHA1:	C6B0BDE788F553F865D65F773D8F6A3546887E42
SHA-256:	BE47C764C38CA7A90A345BE183F5261E89B98743B5E35989E9A8BE0DA498C0F2
SHA-512:	00F2412AA04E09EA19A8315D80BE66D2727C713FC0F5AE6A9334BABA539817F568A98CA3A45B2673282BDD325B8B0E2840A393A4DCFADCB16473F5EAF2AF318 0
Malicious:	false
Preview:	.....*.....3...w.....C:\ProgramData\Microsoft\Network\Downloader\..... .....C:\ProgramData\Microsoft\Network\Downloader\..... .....0u.....@...@.....*..... ....

C:\ProgramData\Microsoft\Network\Downloader\edb.log	
Process:	C:\Windows\System32\svchost.exe
File Type:	MPEG-4 LOAS
Category:	dropped
Size (bytes):	1310720
Entropy (8bit):	0.2494702542656237
Encrypted:	false
SSDEEP:	1536:BJiRdfVzkZm3lyf49uyc0ga04PdHS9LrM/oVMUdSRU4P:BJiRdwfu2SRU4P
MD5:	A3FA8500BDB67E46A9338612845024FC
SHA1:	3A99BB312877830A9594D9DCE2AFC8C03F392F0F
SHA-256:	85A48C90B97C5AC71284AE7855676A05D828CE50CD391C1E6628725675EBB415
SHA-512:	E695F42F61A4C8173944CA6767DC9F73281FF8B4D9E867E6BCF6F48FA00E8D97719F50A54F66C2443020A5546D1ACE4A8B2A7D8399FB14EF28A9984EED21C70
Malicious:	false
Preview:	V.d.....@..@.3...w.....3...w.....C:\ProgramData\Microsoft\Network\Downloader\..... .....C:\ProgramData\Microsoft\Network\Downloader\..... .....0u.....@...@.....d#..... ....

C:\ProgramData\Microsoft\Network\Downloader\qmgr.db	
Process:	C:\Windows\System32\svchost.exe
File Type:	Extensible storage user DataBase, version 0x620, checksum 0xf80f3fb9, page size 16384, Windows version 10.0
Category:	dropped
Size (bytes):	786432
Entropy (8bit):	0.25069434296156595
Encrypted:	false
SSDEEP:	384:mH/+W0StseCJ48EApW0StseCJ48E2rTSjlK/ebmLerYSRSY1J2:mHUSB2nSB2RSjlK/+mLesOj1J2
MD5:	501852577D4C609CC733CCC0B8ECE958
SHA1:	CF7A843544A8AF61B9CB282000211C7E0D5DA22A
SHA-256:	B3043C4785265F8ED659050B55E86420B6786D0D218B0E8FC4F627ACC9E5C70C
SHA-512:	CBDD8C98813044387F7EC3BEBACAD60DA6120514910CDC2B23FC641C716FB395817105E34939E7954E7A3829E991B84C2A533F15407140ADDD38859D4A86F25
Malicious:	false
Preview:	..?... .....e.f.3...w.....).....!)...zc..&...z..h.(....!)...zc...).....3...w.....B.....@..... ....!)...zc.....].5.!)...zc..... .....

C:\ProgramData\Microsoft\Network\Downloader\qmgr.jfm	
Process:	C:\Windows\System32\svchost.exe
File Type:	data
Category:	dropped
Size (bytes):	16384
Entropy (8bit):	0.07678133055253546
Encrypted:	false
SSDEEP:	3:qR7vyDAWtjtlt9FXTltill3VkttlmlnI:qRrysKh33
MD5:	3C718CC240DCEEDF8BA59F9AA557C597
SHA1:	9341B851572E15116C936EADBE41AF6639B32AC2

C:\ProgramData\Microsoft\Network\Downloader\qmgr.jfm	
SHA-256:	B660E6E298E466AA5BB2A99471E12220193D18B68EC883F3D7C420E1A9B739E7
SHA-512:	30C63365B2CBAD08C48EAC73192479948D127CAB5AE96CA8CE1CB4C5257575C174C8FBE9C6A675B868ABE6775C7BAA76DE47A3705F4BD11975C36AC709A09F C9
Malicious:	false
Preview:	..6#.....3...w...&...z..!)...zc.....!)...zc.!)...zc.e..,)...z.}.....].5.!)...zc..... ....

C:\Users\user\AppData\LocalLow\Microsoft\CryptnetUrlCache\Content\77EC63BDA74BD0D0E0426DC8F8008506	
Process:	C:\Windows\SysWOW64\rundll32.exe
File Type:	Microsoft Cabinet archive data, 61414 bytes, 1 file
Category:	dropped
Size (bytes):	61414
Entropy (8bit):	**7.995245868798237**
Encrypted:	**true**
SSDEEP:	1536:EysgU6qmzixT64jYMZ8HbVPGfVDwm/xLZ9rP:wF6qmeo4eH1m9wmLvrP
MD5:	ACAEDA60C79C6BCAC925EEB3653F45E0
SHA1:	2AAAE490BCDACCC6172240FF1697753B37AC5578
SHA-256:	6B0CECCF0103AFD89844761417C1D23ACC41F8AEBF3B7230765209B61EEE5658
SHA-512:	FEAA6E7ED7DDA1583739B3E531AB5C562A222EE6ECD042690AE7DCFF966717C6E968469A7797265A11F6E899479AE0F3031E8CF5BEBE1492D5205E9C5969090
Malicious:	false
Preview:	MSCF.....,.....I.....;w.....RSNj .authroot.stl..>.(.5..CK..8T....c_.d...A.K...+.d.H..*i.RJJ.IQIR..$t)Kd.-[..T\{..ne.....<.w.....A..B.....c...wi.....D....c.0D,L.....f y....Rg...=.....i,3.3..Z....~^ve<...TF.*...f.zy.,...m.@.0.0...m.3..I(..+..v#...(.2....e...L..*y..V.....~U....''<ke.....I.X:Dt..R<7.5\A7L0=..T.V...IDr..8<....r&...I-.^..b.b.''.Af....E.._.. r.>.`;..Hob..S.....7'..\.R$.''.g..+..64..@nP.....k3...B.`.G..@D.....L.....`^...#OpW.....!....`.....rf:.}.R.@....gR.#7....I..H.#...d.Qh..3..fCX....==#..M.I..~&....[.J9.\..Ww.....Tx.%....]..a4E ...q.+...#.*a..x..O..V.t..Y1!.T..`U...-...< _@...|(.....0..3.`.LU...E0.Gu.4KN....5...?.....I.p..'.....N<.d.O..dH@c1t...[w/...T....cYK.X>.0..Z.....O>..9.3.#9X.%.b...5.YK.E.V.....`./.3.._ ..nN]..=..M.o.F._..z....._...gY..!Z..?l....vp.l.:.d.Z..W.....~...N..._k...&.....$.....i.F.d.....D!e.....Y..,.E..m.;.1... $.F..O.F.o_}.uG....,.%.>,.Zx.....o....c../.;....g&.....

C:\Users\user\AppData\LocalLow\Microsoft\CryptnetUrlCache\MetaData\77EC63BDA74BD0D0E0426DC8F8008506	
Process:	C:\Windows\SysWOW64\rundll32.exe
File Type:	data
Category:	modified
Size (bytes):	328
Entropy (8bit):	3.101256677853478
Encrypted:	false
SSDEEP:	6:kK/LKk8SN+SkQlPlEGYRMY9z+4KlDA3RUeYlUmlUR/t:nG9kPlE99SNxAhUeYlUSA/t
MD5:	1CA7AEE1BEBAA4827B91C7C5A352CA4D
SHA1:	B464712365B6C9313A8A69AEB612287738C764A9
SHA-256:	D85A58A7E2D34A2E618E12AD3B54FA1AC82D570A48A77211E45E105B202B2509
SHA-512:	2012737BC1B8FEC2F54AB636CA25F0A7462FFAFF4636440A077F1615FC9DB4D7702A983D3DA022112DA2BE75CDE08A612F422697752358CE5BC4862405DA4006
Malicious:	false
Preview:	p..... .....].u...(..... .....q.\].....&.....h.t.t.p.:././.c.t.l.d.l...w.i.n.d.o.w.s.u.p.d.a.t.e...c.o.m./.m.s.d.o.w.n.l.o.a.d./.u.p.d.a.t.e./.v.3./.s.t.a.t.i. c./.t.r.u.s.t.e.d.r./.e.n./.a.u.t.h.r.o.o.t.s.t.l...c.a.b...''.0.7.1.e.1.5.c.5.d.c.4.d.7.1.:.0.''...

C:\Windows\ServiceProfiles\LocalService\AppData\Local\FontCache\Fonts\Download-1.tmp	
Process:	C:\Windows\System32\svchost.exe
File Type:	ASCII text, with no line terminators
Category:	dropped
Size (bytes):	55
Entropy (8bit):	4.306461250274409
Encrypted:	false
SSDEEP:	3:YDQRWu83XfAw2fHbY:YMRl83Xt2f7Y
MD5:	DCA83F08D448911A14C22EBCACC5AD57
SHA1:	91270525521B7FE0D986DB19747F47D34B6318AD
SHA-256:	2B4B2D4A06044AD0BD2AE3287CFCBECD90B959FEB2F503AC258D7C0A235D6FE9
SHA-512:	96F3A02DC4AE302A30A376FC7082002065C7A35ECB74573DE66254EFD701E8FD9E9D867A2C8ABEB4C482738291B715D4965A0D2412663FDF1EE6CBC0BA9FBA A
Malicious:	false
Preview:	{''fontSetUri'':''fontset-2017-04.json'',''baseUri'':''fonts''}

Static File Info

General

File type:	PE32 executable (DLL) (GUI) Intel 80386, for MS Windows
Entropy (8bit):	7.088004950406934
TrID:	• Win32 Dynamic Link Library (generic) (1002004/3) 95.65% • Win32 EXE PECompact compressed (generic) (41571/9) 3.97% • Generic Win/DOS Executable (2004/3) 0.19% • DOS Executable Generic (2002/1) 0.19% • Autodesk FLIC Image File (extensions: flc, fli, cel) (7/3) 0.00%
File name:	CSxylfUJcL.dll
File size:	417792
MD5:	fa7ab814336d3ee4312c262457e01f01
SHA1:	73e1844abe6d99a57345464f418279d596985202
SHA256:	c89c49c3e8e37835ab53bfd9ff9ab97c80e037f0fdfe7e8df6a7d3d86fa62782
SHA512:	088fabcbc8481b5967c5bcbdf002f1158856fe33119e5a6aa333c349ad2ffef5a60bc56760d2affaa68aff07a004fd5ce82eeeacee01e84fb1dc0ce66799249b
SSDEEP:	6144:o1ju3jPam65ucnNgDoDUhuGGwKveuD4VKYjHyCAJOhrmBlDxqms9ujAJKedmL/:yMjcuDaUImtStJorohvsMjmKe
File Content Preview:	MZ.....@.....!..L.!This program cannot be run in DOS mode....$.....Z'...F...F...F...I...F...I...F...F...D..9....F..9....F..9....F..9....F..9....F..9....F..Rich.F.....PE..L...k+.a...

File Icon

Icon Hash:	71b018ccc6577131

Static PE Info

General

Entrypoint:	0x10017b85
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x10000000
Subsystem:	windows gui
Image File Characteristics:	32BIT_MACHINE, EXECUTABLE_IMAGE, DLL
DLL Characteristics:	
Time Stamp:	0x61E02B6B [Thu Jan 13 13:38:51 2022 UTC]
TLS Callbacks:	
CLR (.Net) Version:	
OS Version Major:	4
OS Version Minor:	0
File Version Major:	4
File Version Minor:	0
Subsystem Version Major:	4
Subsystem Version Minor:	0
Import Hash:	90add561a8bf6976696c056c199a41b8

Entrypoint Preview

Rich Headers

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x27f5e	0x28000	False	0.514996337891	data	6.66251942868	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.rdata	0x29000	0x8410	0x9000	False	0.308865017361	data	4.83069227563	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.data	0x32000	0x2a9a0	0x27000	False	0.963572966747	data	7.93281036967	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x5d000	0x3664	0x4000	False	0.274780273438	data	4.49622273105	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.reloc	0x61000	0x8284	0x9000	False	0.33251953125	data	3.82081999119	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ

Resources

Imports

Exports

Version Infos

Possible Origin

Language of compilation system	Country where language is spoken	Map
Chinese	China	
English	United States	

Network Behavior

Snort IDS Alerts

Timestamp	Protocol	SID	Message	Source Port	Dest Port	Source IP	Dest IP
01/14/22-10:37:48.669419	TCP	2404332	ET CNC Feodo Tracker Reported CnC Server TCP group 17	49766	80	192.168.2.6	45.138.98.34
01/14/22-10:37:49.746848	TCP	2404338	ET CNC Feodo Tracker Reported CnC Server TCP group 20	49770	8080	192.168.2.6	69.16.218.101

Network Port Distribution

TCP Packets

DNS Answers

Timestamp	Source IP	Dest IP	Trans ID	Reply Code	Name	CName	Address	Type	Class
Jan 14, 2022 10:37:49.117140055 CET	8.8.8.8	192.168.2.6	0x3995	No error (0)	windowsupdate.s.llnwi.net		41.63.96.128	A (IP address)	IN (0x0001)

Code Manipulations

Statistics

Behavior

Click to jump to process

System Behavior

Analysis Process: loaddll32.exe PID: 7112 Parent PID: 780

General

Start time:	10:37:00
Start date:	14/01/2022
Path:	C:\Windows\System32\loaddll32.exe
Wow64 process (32bit):	true
Commandline:	loaddll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll"
Imagebase:	0x130000
File size:	116736 bytes
MD5 hash:	7DEB5DB86C0AC789123DEC286286B938
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	moderate

File Activities

Show Windows behavior

Analysis Process: cmd.exe PID: 7132 Parent PID: 7112

General

Start time:	10:37:01
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\cmd.exe
Wow64 process (32bit):	true
Commandline:	cmd.exe /C rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",#1
Imagebase:	0x2a0000
File size:	232960 bytes
MD5 hash:	F3BDBE3BB6F734E357235F4D5898582D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

Show Windows behavior

Analysis Process: regsvr32.exe PID: 7148 Parent PID: 7112

General

Start time:	10:37:01

Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\regsvr32.exe
Wow64 process (32bit):	true
Commandline:	regsvr32.exe /s C:\Users\user\Desktop\CSxylfUJcL.dll
Imagebase:	0x830000
File size:	20992 bytes
MD5 hash:	426E7499F6A7346F0410DEAD0805586B
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	• Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000002.00000002.396391037.0000000004B81000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000002.00000002.396217963.0000000003230000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	high

Analysis Process: rundll32.exe PID: 7160 Parent PID: 7132

General

Start time:	10:37:01
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",#1
Imagebase:	0x2d0000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	• Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000003.00000002.351221459.0000000004C01000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000003.00000002.350955081.0000000004A40000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	high

Analysis Process: rundll32.exe PID: 6172 Parent PID: 7112

General

Start time:	10:37:01
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	rundll32.exe C:\Users\user\Desktop\CSxylfUJcL.dll,DllRegisterServer
Imagebase:	0x2d0000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

Yara matches:	• Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354941726.0000000005411000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354572676.0000000005220000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354868089.00000000053E0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354398198.00000000051C0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354782751.00000000052B1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354142339.0000000005110000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.353774398.0000000004C71000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354700642.0000000005280000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354625308.0000000005251000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354494384.00000000051F1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.354257894.0000000005141000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.353590253.0000000004B30000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities

Show Windows behavior

File Deleted

Analysis Process: rundll32.exe PID: 6048 Parent PID: 7160

General

Start time:	10:37:02
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",DllRegisterServer
Imagebase:	0x2d0000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

Yara matches:	• Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.353899484.00000000047F1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.354039628.0000000004851000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.353678279.00000000046C1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.353971003.0000000004820000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.353601392.0000000004690000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.353804496.00000000047C0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.352946917.0000000004060000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000005.00000002.353110002.0000000004191000.00000020.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities Show Windows behavior

Analysis Process: rundll32.exe PID: 5380 Parent PID: 6172

General

Start time:	10:37:05
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\rundll32.exe "C:\Windows\SysWOW64\Ovttmq\chwg.qvw" ,xKUTPckNvcwxvZR
Imagebase:	0x2d0000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	• Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000006.00000002.397064444.0000000002A80000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000006.00000002.397100803.0000000002AD1000.00000020.00000001.sdmp, Author: Joe Security
Reputation:	high

Analysis Process: svchost.exe PID: 5536 Parent PID: 560

General

Start time:	10:37:22
Start date:	14/01/2022
Path:	C:\Windows\System32\svchost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\System32\svchost.exe -k netsvcs -p
Imagebase:	0x7ff6b7590000
File size:	51288 bytes
MD5 hash:	32569E403279B3FD2EDB7EBD036273FA
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities | Show Windows behavior

Analysis Process: rundll32.exe PID: 5820 Parent PID: 7148

General

Start time:	10:37:25
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\rundll32.exe "C:\Users\user\Desktop\CSxylfUJcL.dll",DllRegisterServer
Imagebase:	0x2d0000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

Analysis Process: rundll32.exe PID: 5132 Parent PID: 5380

General

Start time:	10:37:25
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\rundll32.exe "C:\Windows\System32\Ovttmq\chwg.qvw",DllRegisterServer
Imagebase:	0x2d0000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

File Activities | Show Windows behavior

Analysis Process: svchost.exe PID: 5952 Parent PID: 560

General

Start time:	10:37:29
Start date:	14/01/2022
Path:	C:\Windows\System32\svchost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\System32\svchost.exe -k netsvcs -p
Imagebase:	0x7ff6b7590000
File size:	51288 bytes
MD5 hash:	32569E403279B3FD2EDB7EBD036273FA
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

File Activities | Show Windows behavior

Analysis Process: svchost.exe PID: 3452 Parent PID: 560

General

Start time:	10:37:45
Start date:	14/01/2022
Path:	C:\Windows\System32\svchost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\System32\svchost.exe -k netsvcs -p
Imagebase:	0x7ff6b7590000
File size:	51288 bytes
MD5 hash:	32569E403279B3FD2EDB7EBD036273FA
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

File Activities

Show Windows behavior

Analysis Process: svchost.exe PID: 6400 Parent PID: 560

General

Start time:	10:38:03
Start date:	14/01/2022
Path:	C:\Windows\System32\svchost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\System32\svchost.exe -k netsvcs -p
Imagebase:	0x7ff6b7590000
File size:	51288 bytes
MD5 hash:	32569E403279B3FD2EDB7EBD036273FA
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

File Activities

Show Windows behavior

Analysis Process: svchost.exe PID: 6980 Parent PID: 560

General

Start time:	10:38:22
Start date:	14/01/2022
Path:	C:\Windows\System32\svchost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\System32\svchost.exe -k netsvcs -p -s BITS
Imagebase:	0x7ff6b7590000
File size:	51288 bytes
MD5 hash:	32569E403279B3FD2EDB7EBD036273FA
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language

File Activities

Show Windows behavior

Registry Activities

Show Windows behavior

Disassembly

Code Analysis