ID: 553115
Sample Name: pugKLanrj3
Cookbook: default.jbs
Time: 10:38:21
Date: 14/01/2022
Version: 34.0.0 Boulder Opal

Table of Contents

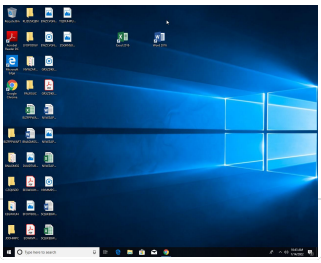
Windows Analysis Report pugKLanrj3

Overview

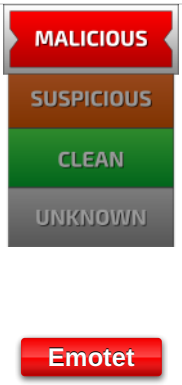
General Information

Sample Name:	pugKLanrj3 (renamed file extension from none to dll)
Analysis ID:	553115
MD5:	db953547701355..
SHA1:	ba4fa056de63175.
SHA256:	df234584db0c8aa.
Tags:	32 dll exe trojan
Infos:	

Most interesting Screenshot:



Detection

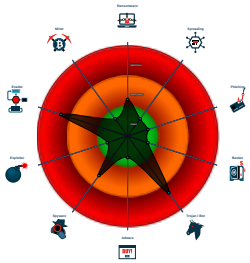


Score:	96
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

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: 4352 cmdline: loaddll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll" MD5: 7DEB5DB86C0AC789123DEC286286B938)
  - cmd.exe (PID: 3560 cmdline: cmd.exe /C rundll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll",#1 MD5: F3BDBE3BB6F734E357235F4D5898582D)
    - rundll32.exe (PID: 5572 cmdline: rundll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll",#1 MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
      - rundll32.exe (PID: 1312 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll",DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
  - regsvr32.exe (PID: 3156 cmdline: regsvr32.exe /s C:\Users\user\Desktop\pugKLanrj3.dll MD5: 426E7499F6A7346F0410DEAD0805586B)
    - rundll32.exe (PID: 6408 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll",DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
  - rundll32.exe (PID: 5504 cmdline: rundll32.exe C:\Users\user\Desktop\pugKLanrj3.dll,DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
    - rundll32.exe (PID: 6112 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Windows\SysWOW64\Ubjbeaftth\ufcmfnoys.ulp",EgkecrKVKe MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
      - rundll32.exe (PID: 5388 cmdline: C:\Windows\SysWOW64\rundll32.exe "C:\Windows\System32\Ubjbeaftth\ufcmfnoys.ulp",DllRegisterServer MD5: D7CA562B0DB4F4DD0F03A89A1FDAD63D)
- svchost.exe (PID: 6312 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 5672 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 5104 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p MD5: 32569E403279B3FD2EDB7EBD036273FA)
- svchost.exe (PID: 6268 cmdline: C:\Windows\System32\svchost.exe -k netsvcs -p 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
00000007.00000002.308556502.0000000004971000.00000020.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000004.00000002.312426426.0000000004790000.00000040.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000003.00000002.303864837.0000000002E50000.00000040.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000007.00000002.308717246.0000000004ED1000.00000020.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
00000009.00000002.312591906.0000000002E30000.00000040.00000001.sdmp	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
Click to see the 45 entries				

Unpacked PEs

Source	Rule	Description	Author	Strings
7.2.rundll32.exe.4fb0000.5.raw.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
10.2.rundll32.exe.6c0000.2.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
4.2.rundll32.exe.4660000.5.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
10.2.rundll32.exe.4fa0000.21.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
10.2.rundll32.exe.4a90000.12.raw.unpack	JoeSecurity_Emotet_1	Yara detected Emotet	Joe Security	
Click to see the 70 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:

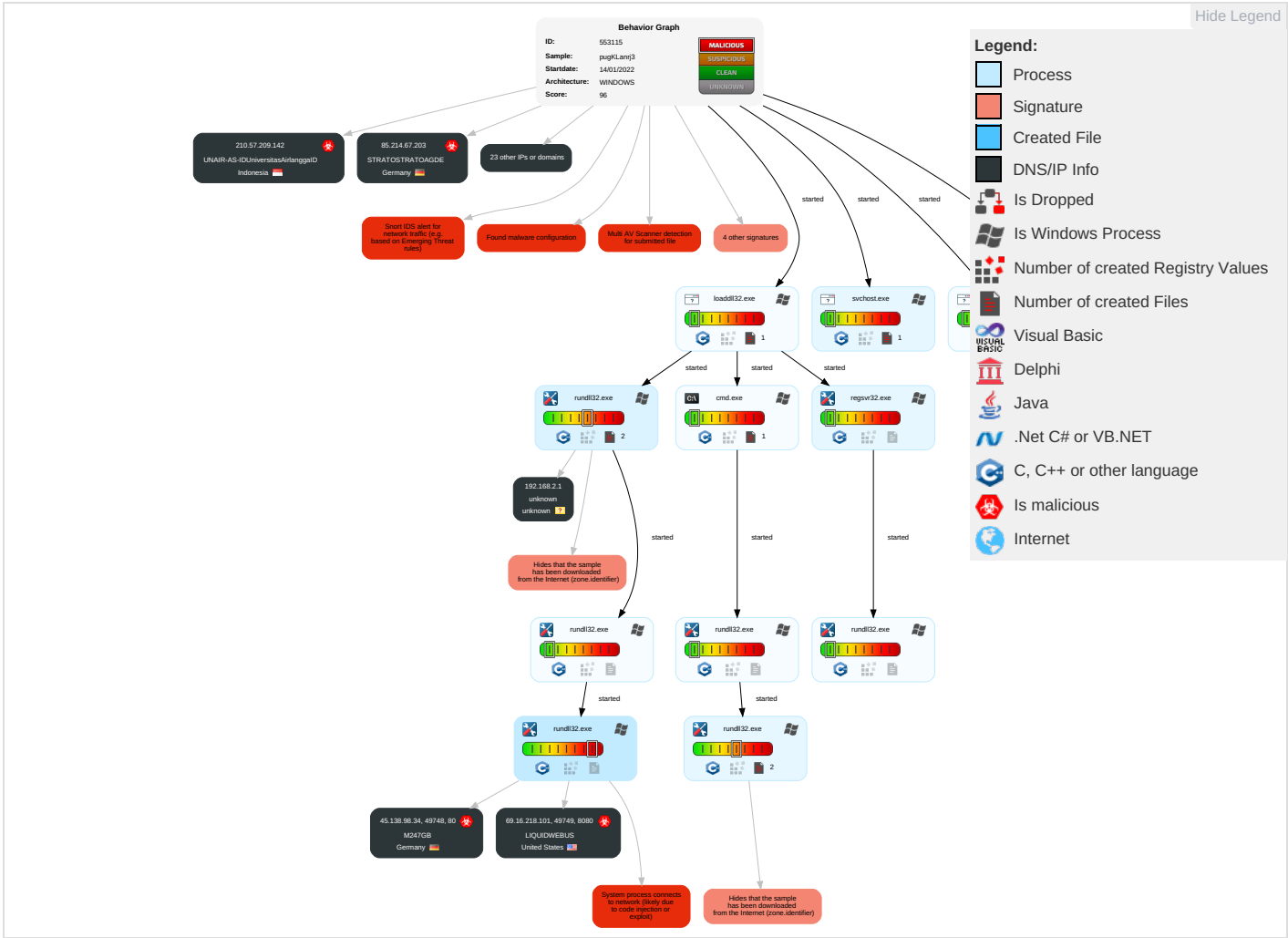
Yara detected Emotet

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 2	DLL Side-Loading 1	DLL Side-Loading 1	Deobfuscate/Decode Files or Information 1	Input Capture 2	System Time Discovery 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Ingress Tool Transfer 1
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Process Injection 1 1 2	Obfuscated Files or Information 2	LSASS Memory	File and Directory Discovery 1	Remote Desktop Protocol	Input Capture 2	Exfiltration Over Bluetooth	Encrypted Channel 1
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	DLL Side-Loading 1	Security Account Manager	System Information Discovery 3 5	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Non-Standard Port 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)	File Deletion 1	NTDS	Query Registry 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Application Layer Protocol 1
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Masquerading 2	LSA Secrets	Security Software Discovery 3 1	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Virtualization/Sandbox Evasion 2	Cached Domain Credentials	Virtualization/Sandbox Evasion 2	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication
External Remote Services	Scheduled Task	Startup Items	Startup Items	Process Injection 1 1 2	DCSync	Process 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	Hidden Files and Directories 1	Proc Filesystem	Application Window Discovery 1	Shared Webroot	Credential API Hooking	Exfiltration Over Symmetric Encrypted Non-C2 Protocol	Application Layer Protocol
Exploit Public-Facing Application	PowerShell	At (Linux)	At (Linux)	Regsvr32 1	/etc/passwd and /etc/shadow	Remote System Discovery 1	Software Deployment Tools	Data Staged	Exfiltration Over Asymmetric Encrypted Non-C2 Protocol	Web Protocols
Supply Chain Compromise	AppleScript	At (Windows)	At (Windows)	Rundll32 1	Network Sniffing	Process Discovery	Taint Shared Content	Local Data Staging	Exfiltration Over Unencrypted/Obfuscated Non-C2 Protocol	File Transfer Protocols

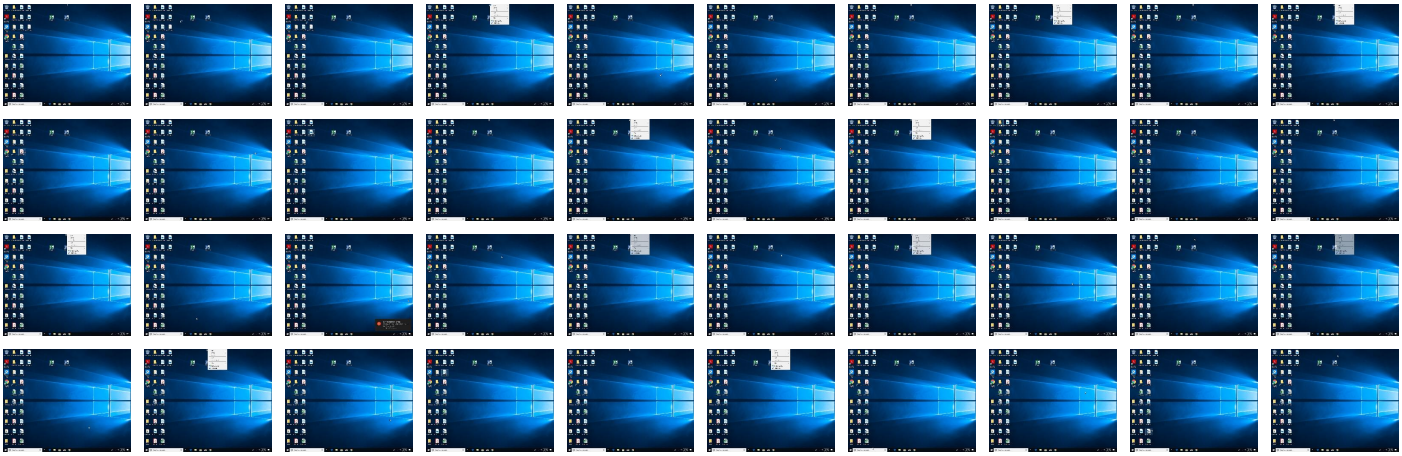
Behavior Graph



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
pugKLanrj3.dll	27%	Virustotal		Browse
pugKLanrj3.dll	33%	ReversingLabs	Win32.Trojan.Emotet	
pugKLanrj3.dll	100%	Joe Sandbox ML		

Source	Detection	Scanner	Label	Link

Dropped Files

No Antivirus matches

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
3.2.rundll32.exe.3090000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.550000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4710000.4.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.47f0000.8.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
7.2.rundll32.exe.4ed0000.4.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
9.2.rundll32.exe.2e60000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4820000.7.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.520000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.4990000.11.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4a90000.12.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
3.2.rundll32.exe.2e50000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.6c0000.2.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.4660000.5.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4fa0000.21.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.4630000.4.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
7.2.rundll32.exe.4fe0000.6.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.4540000.2.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.4960000.10.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.4ac0000.13.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
9.2.rundll32.exe.2e30000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.4570000.3.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4c70000.16.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.5000000.23.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.720000.3.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4e70000.18.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.4ea0000.19.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4980000.9.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.49e0000.11.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
7.2.rundll32.exe.4ea0000.3.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
2.2.regsvr32.exe.ed0000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.4790000.6.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
7.2.rundll32.exe.4fb0000.5.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.4950000.8.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
7.2.rundll32.exe.5010000.7.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
4.2.rundll32.exe.47c0000.7.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
7.2.rundll32.exe.47a0000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.4f70000.20.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.4b90000.14.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.4fd0000.22.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.690000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.6c0000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
7.2.rundll32.exe.4970000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4bc0000.15.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4740000.5.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
7.2.rundll32.exe.4d20000.2.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
2.2.regsvr32.exe.d20000.0.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
4.2.rundll32.exe.4820000.9.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.4ca0000.17.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
10.2.rundll32.exe.47f0000.6.unpack	100%	Avira	HEUR/AGEN.1145233		Download File
10.2.rundll32.exe.49b0000.10.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://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	LocawebServicosdeInternetSABR	true
168.197.250.14	unknown	Argentina		264776	OmarAnselmoRipollTDCNETAR	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

General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	553115
Start date:	14.01.2022
Start time:	10:38:21
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 13m 56s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	pugKLanrj3 (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:	28
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@21/2@0/28
EGA Information:	• Successful, ratio: 100%
HDC Information:	• Successful, ratio: 43.3% (good quality ratio 41.2%) • Quality average: 76.7% • Quality standard deviation: 28.1%
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
10:40:12	API Interceptor	7x 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:\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):	3.1040605941295265
Encrypted:	false
SSDEEP:	6:kKD1k8SN+SkQlPlEGYRMY9z+4KlDA3RUeYlUmlUR/t:x9kPlE99SNxAhUeYlUSA/t
MD5:	3165402E7A19F508711A928F33305265
SHA1:	27301CC78DC6AFA0C5B2D96AAA8B6351CB1E7B1F
SHA-256:	9DF712961C4297F889E07FA91321C8C5F93C230A8518D498955136645E952B01
SHA-512:	58BFBBCF9A1A72383661F88E843F3B49D589FE4697C38123DB7F92717D6F83ED135AAE063F654666D35E756FFB9DE183009986DE574CC35CD9E9959BBC12FD5
Malicious:	false
Preview:	p..... .....@d.v...(..... .....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.''...

Static File Info

General

File type:	PE32 executable (DLL) (GUI) Intel 80386, for MS Windows
Entropy (8bit):	7.087986434992125
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%

General

File name:	pugKLanrj3.dll
File size:	417792
MD5:	db9535477013554eb17c837e6bd92324
SHA1:	ba4fa056de631759ffa5600dd1142a1280d2f051
SHA256:	df234584db0c8aa194c6873b78c8ae0018f0c5f445c5c8a2e90c5e3131310ad0
SHA512:	2fbcd09418989912d97ca8254db3af942902d9c7cb4039089e5fb55e7d3bddc565b7184df4e3bd8cf27ccf5b17f4ab6f5c2ee36470f461e6c73d2de7c1723076
SSDEEP:	6144:o1ju3jPam65ucnNgDoDUhuGGwKveuv4VKYjHyCAJOhrmBlDxqms9ujAJKedmL/:yMjcuDaUIm9StJorohvsMjmKe
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
.rdata	0x29000	0x8410	0x9000	False	0.308892144097	data	4.83079972455	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
01/14/22-10:39:39.106239	TCP	2404332	ET CNC Feodo Tracker Reported CnC Server TCP group 17	49748	80	192.168.2.3	45.138.98.34
01/14/22-10:39:40.292302	TCP	2404338	ET CNC Feodo Tracker Reported CnC Server TCP group 20	49749	8080	192.168.2.3	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 10:40:06.500219107 CET	8.8.8.8	192.168.2.3	0x6605	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: 4352 Parent PID: 4964

General

Start time:	10:39:19
Start date:	14/01/2022
Path:	C:\Windows\System32\loaddll32.exe
Wow64 process (32bit):	true
Commandline:	loaddll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll"
Imagebase:	0xe50000
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: 3560 Parent PID: 4352

General

Start time:	10:39:19
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\pugKLanrj3.dll",#1
Imagebase:	0xd80000
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: 3156 Parent PID: 4352

General

Start time:	10:39:20
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\regsvr32.exe
Wow64 process (32bit):	true
Commandline:	regsvr32.exe /s C:\Users\user\Desktop\pugKLanrj3.dll
Imagebase:	0xfd0000
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: 00000002.00000002.303434167.0000000000D20000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000002.00000002.303487631.0000000000ED1000.00000020.00000001.sdmp, Author: Joe Security
Reputation:	high

Analysis Process: rundll32.exe PID: 5572 Parent PID: 3560

General

Start time:	10:39:20
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	rundll32.exe "C:\Users\user\Desktop\pugKLanrj3.dll",#1
Imagebase:	0xd50000
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: 00000003.00000002.303864837.0000000002E50000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000003.00000002.303938818.0000000003091000.00000020.00000001.sdmp, Author: Joe Security
Reputation:	high

Analysis Process: rundll32.exe PID: 5504 Parent PID: 4352

General

Start time:	10:39:21
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	rundll32.exe C:\Users\user\Desktop\pugKLanrj3.dll,DllRegisterServer
Imagebase:	0xd50000
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: 00000004.00000002.312426426.0000000004790000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.310675126.00000000006C1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312707880.0000000004991000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312062487.0000000004571000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312157578.0000000004630000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.310610436.0000000000690000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312211500.0000000004661000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312650834.0000000004960000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.311999484.0000000004540000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312609575.0000000004821000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312500126.00000000047C1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000004.00000002.312556159.00000000047F0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities Show Windows behavior

File Deleted

Analysis Process: rundll32.exe PID: 6408 Parent PID: 3156

General

Start time:	10:39:22
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\pugKLanrj3.dll",DllRegisterServer
Imagebase:	0xd50000
File size:	61952 bytes
MD5 hash:	D7CA562B0DB4F4DD0F03A89A1FDAD63D
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Analysis Process: rundll32.exe PID: 1312 Parent PID: 5572

General

Start time:	10:39:22
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\pugKLanrj3.dll",DllRegisterServer

Imagebase:	0xd50000
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: 00000007.00000002.308556502.0000000004971000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308717246.0000000004ED1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308496197.00000000047A0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308585132.0000000004D20000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308691982.0000000004EA0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308783720.0000000004FE1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308811399.0000000005011000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000007.00000002.308759081.0000000004FB0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities Show Windows behavior

Analysis Process: rundll32.exe PID: 6112 Parent PID: 5504

General

Start time:	10:39:24
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\rundll32.exe "C:\Windows\SysWOW64\Ubjbeaftth\ufcmfnoys.ulp", EgkecrKVKe
Imagebase:	0xd50000
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: 00000009.00000002.312591906.0000000002E30000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 00000009.00000002.312633523.0000000002E61000.00000020.00000001.sdmp, Author: Joe Security
Reputation:	high

Analysis Process: rundll32.exe PID: 5388 Parent PID: 6112

General

Start time:	10:39:26
Start date:	14/01/2022
Path:	C:\Windows\SysWOW64\rundll32.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\rundll32.exe "C:\Windows\System32\Ubjbeaftth\ufcmfnoys.ulp", DllRegisterServer

Imagebase:	0xd50000
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: 0000000A.00000002.818600479.0000000004CA1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.816263427.0000000000551000.00000020.00000010.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818149949.0000000004821000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818434536.0000000004B90000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818253319.00000000049B0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818342645.0000000004A90000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.816816895.00000000006C0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818930567.0000000004F70000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818769110.0000000004E70000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818077767.0000000004741000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818990382.0000000004FA1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818118455.00000000047F0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818553417.0000000004C70000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818862903.0000000004EA1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818277549.00000000049E1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.819036173.0000000004FD0000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818224414.0000000004981000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818194001.0000000004950000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.819084555.0000000005001000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.816889903.0000000000721000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.816215619.0000000000520000.00000040.00000010.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818044267.0000000004710000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818377834.0000000004AC1000.00000020.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_Emotet_1, Description: Yara detected Emotet, Source: 0000000A.00000002.818471974.0000000004BC1000.00000020.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities Show Windows behavior

Analysis Process: svchost.exe PID: 6312 Parent PID: 572

General

Start time:	10:39:38
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:	0x7ff70d6e0000
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: 5672 Parent PID: 572

General

Start time:	10:39:44
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:	0x7ff70d6e0000
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: 5104 Parent PID: 572

General

Start time:	10:39:59
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:	0x7ff70d6e0000
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: 6268 Parent PID: 572

General

Start time:	10:40:09
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:	0x7ff70d6e0000
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

Disassembly

Code Analysis