

JOeSandbox Cloud BASIC



ID: 384290

Sample Name:

Transferencia.exe

Cookbook: default.jbs

Time: 21:17:11

Date: 08/04/2021

Version: 31.0.0 Emerald

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Analysis Report Transferencia.exe

Overview

General Information

Sample Name:

Transferencia.exe

Analysis ID:

384290

MD5:

7c22c3e3b8726d..

SHA1:

7715be6b73e525..

SHA256:

96fb89fdc387386..

Infos:

Most interesting Screenshot:

Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

GuLoader

Score:

96

Range:

0 - 100

Whitelisted:

false

Confidence:

100%

Signatures

Multi AV Scanner detection for subm...

Yara detected GuLoader

Contain functionality to detect virtua...

Contains functionality to detect hard...

Contains functionality to hide a threa...

Detected RDTSC dummy instruction...

Found potential dummy code loops (...)

Hides threads from debuggers

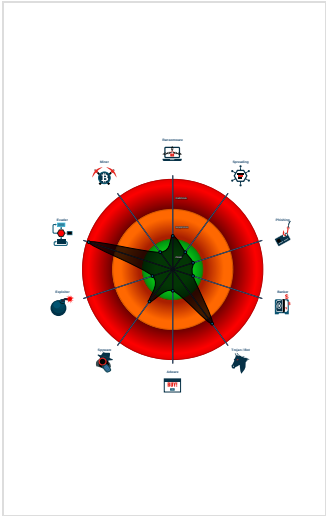
Machine Learning detection for samp...

Tries to detect Any.run

Tries to detect sandboxes and other...

Tries to detect virtualization through...

Classification



Startup

▪ System is w10x64

• Transferencia.exe (PID: 1956 cmdline: 'C:\Users\user\Desktop\Transferencia.exe' MD5: 7C22C3E3B8726DD1B03E69C203590026)

• RegAsm.exe (PID: 1324 cmdline: 'C:\Users\user\Desktop\Transferencia.exe' MD5: 529695608EAFBED00ACA9E61EF333A7C)

• conhost.exe (PID: 1332 cmdline: C:\Windows\system32\conhost.exe 0xffffffff -ForceV1 MD5: EA777DEEA782E8B4D7C7C33BBF8A4496)

▪ cleanup

Malware Configuration

No configs have been found

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
0000000A.00000002.586179396.0000000000DC 0000.00000040.00000001.sdmp	JoeSecurity_GuLoader	Yara detected GuLoader	Joe Security	
Process Memory Space: RegAsm.exe PID: 1324	JoeSecurity_GuLoader	Yara detected GuLoader	Joe Security	

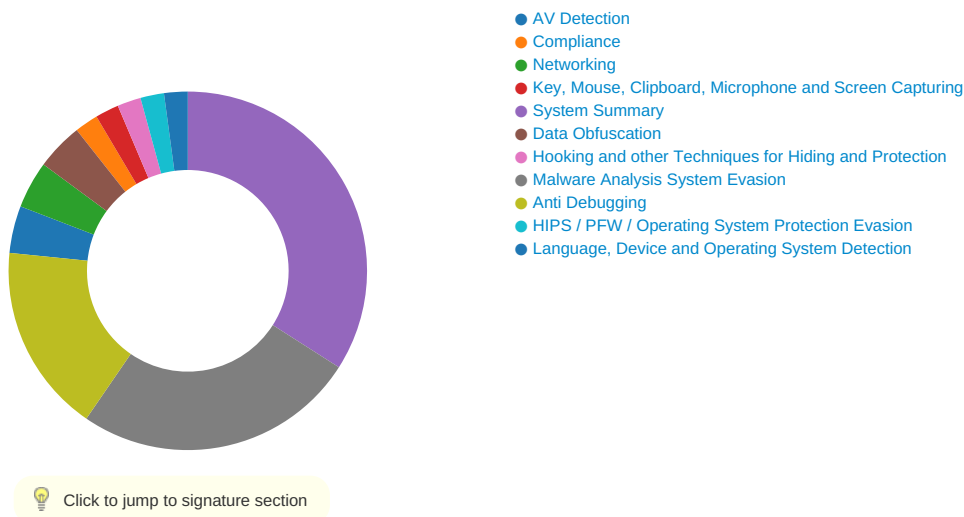
Sigma Overview

No Sigma rule has matched

Signature Overview

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AV Detection:



Multi AV Scanner detection for submitted file

Machine Learning detection for sample

Data Obfuscation:



Yara detected GuLoader

Malware Analysis System Evasion:



Contain functionality to detect virtual machines

Contains functionality to detect hardware virtualization (CPUID execution measurement)

Detected RDTSC dummy instruction sequence (likely for instruction hammering)

Tries to detect Any.run

Tries to detect sandboxes and other dynamic analysis tools (process name or module or function)

Tries to detect virtualization through RDTSC time measurements

Anti Debugging:



Contains functionality to hide a thread from the debugger

Found potential dummy code loops (likely to delay analysis)

Hides threads from debuggers

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Recovery
Valid Accounts	Windows Management Instrumentation	DLL Side-Loading 1	Process Injection 2	Virtualization/Sandbox Evasion 4 2 1	OS Credential Dumping	Security Software Discovery 9 2 1	Remote Services	Clipboard Data 1	Exfiltration Over Other Network Medium	Ingress Tool Transfer 1	Eavesdrop on Insecure Network Communication	Recovery
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	DLL Side-Loading 1	Process Injection 2	LSASS Memory	Virtualization/Sandbox Evasion 4 2 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS	Recovery
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	DLL Side-Loading 1	Security Account Manager	Process Discovery 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location	Recovery



Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample

Source	Detection	Scanner	Label	Link
Transferencia.exe	29%	Virustotal		Browse
Transferencia.exe	69%	ReversingLabs	Win32.Backdoor.Convagen t	
Transferencia.exe	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

No Antivirus matches

Domains and IPs

Contacted Domains

No contacted domains info

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	31.0.0 Emerald
Analysis ID:	384290
Start date:	08.04.2021
Start time:	21:17:11
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 43s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	Transferencia.exe
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
Run name:	Run with higher sleep bypass
Number of analysed new started processes analysed:	18
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.winEXE@3/0@0/0
EGA Information:	• Successful, ratio: 100%
HDC Information:	• Successful, ratio: 98.6% (good quality ratio 66.2%) • Quality average: 39.4% • Quality standard deviation: 38.2%
HCA Information:	• Successful, ratio: 73% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Adjust boot time • Enable AMSI • Sleeps bigger than 120000ms are automatically reduced to 1000ms • Found application associated with file extension: .exe

Warnings:	Show All • Behavior information exceeds normal sizes, reducing to normal. Report will have missing behavior information. • Exclude process from analysis (whitelisted): taskhostw.exe, MpCmdRun.exe, audiodg.exe, WMIADAP.exe, SgrmBroker.exe, conhost.exe, backgroundTaskHost.exe, svchost.exe, Usoclient.exe • Excluded IPs from analysis (whitelisted): 104.42.151.234, 52.255.188.83, 52.147.198.201, 168.61.161.212, 95.100.54.203, 172.217.168.14 • Excluded domains from analysis (whitelisted): skypedataprddcoleus16.cloudapp.net, skypedataprddcoleus17.cloudapp.net, fs.microsoft.com, blobcollector.events.data.trafficmanager.net, skypedataprddcolcus17.cloudapp.net, e1723.g.akamaiedge.net, drive.google.com, watson.telemetry.microsoft.com, prod.fs.microsoft.com.akadns.net, fs-wildcard.microsoft.com.edgekey.net, fs-wildcard.microsoft.com.edgekey.net.globalredir.akadns.net, skypedataprddcolwus16.cloudapp.net • Report size getting too big, too many NtOpenKeyEx calls found. • Report size getting too big, too many NtProtectVirtualMemory calls found. • Report size getting too big, too many NtQueryValueKey calls found.
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Simulations

Behavior and APIs

No simulations

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASN

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

No created / dropped files found

Static File Info

General	
File type:	PE32 executable (GUI) Intel 80386, for MS Windows
Entropy (8bit):	5.7314228952467845
TrID:	- Win32 Executable (generic) a (10002005/4) 99.15% - Win32 Executable Microsoft Visual Basic 6 (82127/2) 0.81% - Generic Win/DOS Executable (2004/3) 0.02% - DOS Executable Generic (2002/1) 0.02% - Autodesk FLIC Image File (extensions: flc, fli, cel) (7/3) 0.00%
File name:	Transferencia.exe
File size:	122880
MD5:	7c22c3e3b8726dd1b03e69c203590026
SHA1:	7715be6b73e52535d81b083a3dfd95568a729782
SHA256:	96fb89fdc3873864981ec26c355111c26c7ab5132770ead9d1d97bdfac32e566
SHA512:	bea857c957f771e3b7c24a3e9770da90766f3c8bf2af74fa79a7b2e9a372b55a1fe628dd72f0744ac1e99d63527e72c92dfc47bc2e9b09e2c84030e25f519625
SSDEEP:	1536:yGouBnMJDe1Rd/tnt+5vAQlh12k1c8VtK9ihGo:yGZBn5j+3l2gtVtK9ihG
File Content Preview:	MZ.....@.....!..!Th is program cannot be run in DOS mode...\$.....u...1...1. ..1.....0...~...0.....0...Rich1.....PE.L....{O..... .p... ..(.....@.....

File Icon

	
Icon Hash:	0ccea09899191898

Static PE Info

General	
Entrypoint:	0x401328
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	LOCAL_SYMS_STRIPPED, 32BIT_MACHINE, EXECUTABLE_IMAGE, LINE_NUMS_STRIPPED, RELOCS_STRIPPED
DLL Characteristics:	
Time Stamp:	0x4F8F7B90 [Thu Apr 19 02:42:24 2012 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:	efa774b90ad6b9ab8c4fabb031ebe78d

Entrypoint Preview

Instruction
push 00413E10h
call 00007F1688DD5365h
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [eax], al
xor byte ptr [eax], al
add byte ptr [eax], al

[illegible]

Instruction
add byte ptr [eax], al
add byte ptr [ecx], cl
add byte ptr [ecx+eax*2+53h], cl
push esp
inc ebp
push eax
inc ecx
dec esp
dec esp
add byte ptr [62000701h], cl
insb
jo 00007F1688DD53DBh
popad
jc 00007F1688DD5372h
sbb dword ptr [ecx], eax
add byte ptr [edx+00h], al

Data Directories

Name	Virtual Address	Virtual Size	Is in Section
IMAGE_DIRECTORY_ENTRY_EXPORT	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_IMPORT	0x17614	0x28	.text
IMAGE_DIRECTORY_ENTRY_RESOURCE	0x19000	0x4856	.rsrc
IMAGE_DIRECTORY_ENTRY_EXCEPTION	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_SECURITY	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_BASERELOC	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_DEBUG	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_COPYRIGHT	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_GLOBALPTR	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_TLS	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_LOAD_CONFIG	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_BOUND_IMPORT	0x228	0x20	
IMAGE_DIRECTORY_ENTRY_IAT	0x1000	0xd4	.text
IMAGE_DIRECTORY_ENTRY_DELAY_IMPORT	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_COM_DESCRIPTOR	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_RESERVED	0x0	0x0	

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x16a04	0x17000	False	0.347465183424	data	6.19151280258	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x18000	0xa88	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x19000	0x4856	0x5000	False	0.4142578125	data	4.36602718987	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Resources

Name	RVA	Size	Type	Language	Country
RT_ICON	0x1b2ae	0x25a8	data		
RT_ICON	0x1a206	0x10a8	data		
RT_ICON	0x1987e	0x988	data		
RT_ICON	0x19416	0x468	GLS_BINARY_LSB_FIRST		
RT_GROUP_ICON	0x193d8	0x3e	data		
RT_VERSION	0x19180	0x258	data	English	United States

Imports

DLL	Import
MSVBVM60.DLL	_Clicos, _adj_fptan, __vbaFreeVar, __vbaFreeVarList, _adj_fdiv_m64, __vbaFreeObjList, _adj_fprem1, __vbaSetSystemError, __vbaHresultCheckObj, _adj_fdiv_m32, __vbaVarForInit, __vbaOnError, __vbaObjSet, _adj_fdiv_m16i, _adj_fdivr_m16i, _CIsin, __vbaChkstk, EVENT_SINK_AddRef, DIIFunctionCall, _adj_fpatan, EVENT_SINK_Release, _CIsqrt, EVENT_SINK_QueryInterface, __vbaExceptionHandler, _adj_fprem, _adj_fdivr_m64, __vbaFPEException, _Cilog, __vbaNew2, _adj_fdiv_m32i, _adj_fdivr_m32i, __vbaFreeStrList, _adj_fdivr_m32, _adj_fdiv_r, __vbaStrToAnsi, __vbaVarDup, __vbaFp14, _Clatan, __vbaStrMove, __vbaCastObj, _allmul, _Cltan, __vbaVarForNext, _Clexp, __vbaFreeStr, __vbaFreeObj

Version Infos

Description	Data
Translation	0x0409 0x04b0
InternalName	YCIETRA
FileVersion	3.00
CompanyName	Salty
Comments	Salty
ProductName	Salty
ProductVersion	3.00
FileDescription	Salty
OriginalFilename	YCIETRA.exe

Possible Origin

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

Network Behavior

UDP Packets

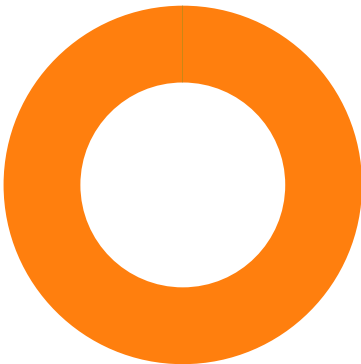
Timestamp	Source Port	Dest Port	Source IP	Dest IP
Apr 8, 2021 21:17:48.342315912 CEST	60152	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:48.355184078 CEST	53	60152	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:50.509349108 CEST	57544	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:50.524214029 CEST	53	57544	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:51.181819916 CEST	55984	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:51.197040081 CEST	53	55984	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:51.860984087 CEST	64185	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:51.873694897 CEST	53	64185	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:52.752033949 CEST	65110	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:52.765578032 CEST	53	65110	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:53.476093054 CEST	58361	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:53.489474058 CEST	53	58361	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:54.170295000 CEST	63492	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:54.183653116 CEST	53	63492	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:55.128566980 CEST	60831	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:55.142463923 CEST	53	60831	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:55.759937048 CEST	60100	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:55.772763968 CEST	53	60100	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:56.524694920 CEST	53195	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:56.539074898 CEST	53	53195	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:57.306094885 CEST	50141	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:57.319078922 CEST	53	50141	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:58.121081114 CEST	53023	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:58.133268118 CEST	53	53023	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:58.802112103 CEST	49563	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:58.815773010 CEST	53	49563	8.8.8.8	192.168.2.3
Apr 8, 2021 21:17:59.425882101 CEST	51352	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:17:59.439336061 CEST	53	51352	8.8.8.8	192.168.2.3
Apr 8, 2021 21:18:00.184001923 CEST	59349	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:18:00.197241068 CEST	53	59349	8.8.8.8	192.168.2.3
Apr 8, 2021 21:18:00.819571972 CEST	57084	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:18:00.831968069 CEST	53	57084	8.8.8.8	192.168.2.3
Apr 8, 2021 21:18:01.851623058 CEST	58823	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:18:01.864420891 CEST	53	58823	8.8.8.8	192.168.2.3
Apr 8, 2021 21:18:27.940393925 CEST	57568	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:18:27.981368065 CEST	53	57568	8.8.8.8	192.168.2.3

Timestamp	Source Port	Dest Port	Source IP	Dest IP
Apr 8, 2021 21:19:29.645251989 CEST	50540	53	192.168.2.3	8.8.8.8
Apr 8, 2021 21:19:29.670944929 CEST	53	50540	8.8.8.8	192.168.2.3

Code Manipulations

Statistics

Behavior



Click to jump to process

System Behavior

Analysis Process: Transferencia.exe PID: 1956 Parent PID: 5560

General

Start time:	21:17:54
Start date:	08/04/2021
Path:	C:\Users\user\Desktop\Transferencia.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\Transferencia.exe'
Imagebase:	0x400000
File size:	122880 bytes
MD5 hash:	7C22C3E3B8726DD1B03E69C203590026
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Reputation:	low

File Activities

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol
File Path	Offset		Length	Completion	Count	Source Address	Symbol

Analysis Process: RegAsm.exe PID: 1324 Parent PID: 1956

General

Start time:	21:19:20
Start date:	08/04/2021
Path:	C:\Windows\Microsoft.NET\Framework\v2.0.50727\RegAsm.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\Transferencia.exe'
Imagebase:	0x9f0000
File size:	53248 bytes
MD5 hash:	529695608EAFBED00ACA9E61EF333A7C
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	Rule: JoeSecurity_GuLoader, Description: Yara detected GuLoader, Source: 0000000A.00000002.586179396.0000000000DC0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities

File Created

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol
C:\Users\user	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	DC48B6	InternetOpenUrlA
C:\Users\user\AppData\Local	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	DC48B6	InternetOpenUrlA
C:\Users\user\AppData\Local\Microsoft\Windows\I\NetCache	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	DC48B6	InternetOpenUrlA
C:\Users\user	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	DC48B6	InternetOpenUrlA
C:\Users\user\AppData\Local	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	DC48B6	InternetOpenUrlA
C:\Users\user\AppData\Local\Microsoft\Windows\I\NetCookies	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	DC48B6	InternetOpenUrlA

File Path	Offset	Length	Completion	Count	Source Address	Symbol
-----------	--------	--------	------------	-------	----------------	--------

Analysis Process: conhost.exe PID: 1332 Parent PID: 1324

General

Start time:	21:19:20
Start date:	08/04/2021

Path:	C:\Windows\System32\conhost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\system32\conhost.exe 0xffffffff -ForceV1
Imagebase:	0x7ff6b2800000
File size:	625664 bytes
MD5 hash:	EA777DEEA782E8B4D7C7C33BBF8A4496
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Disassembly

Code Analysis