

JoeSandbox Cloud BASIC



ID: 395265

Sample Name: cotizacion.exe

Cookbook: default.jbs

Time: 11:16:18

Date: 22/04/2021

Version: 31.0.0 Emerald

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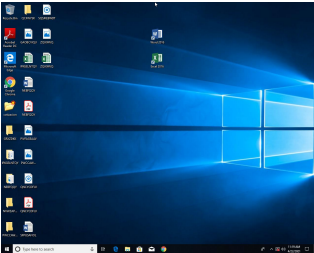
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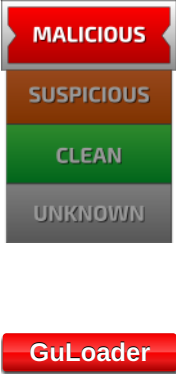
Analysis Report cotizacion.exe

Overview

General Information

Sample Name:	cotizacion.exe
Analysis ID:	395265
MD5:	35f5d83dbc44b90.
SHA1:	745ba0ab77e726..
SHA256:	daf8d6de50e27c4.
Infos:	
Most interesting Screenshot:	

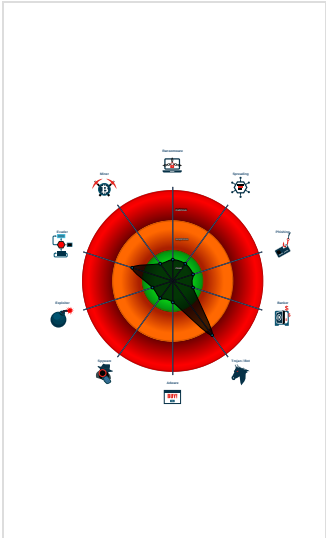
Detection

	
Score:	68
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

Icon mismatch, binary includes an ic...
Multi AV Scanner detection for subm...
Yara detected GuLoader
Machine Learning detection for samp...
Found a high number of Window / Us...
PE file contains an invalid checksum
PE file contains strange resources
Program does not show much activi...
Sample execution stops while proce...
Sample file is different than original ...
Uses 32bit PE files
Uses code obfuscation techniques (...)

Classification



Startup

- System is w10x64
-  cotizacion.exe (PID: 1976 cmdline: 'C:\Users\user\Desktop\cotizacion.exe' MD5: 35F5D83DBC44B907D379C5AB35F725F8)
- cleanup

Malware Configuration

No configs have been found

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
cotizacion.exe	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.493125170.0000000000040 1000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
00000000.00000000.229099820.0000000000040 1000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

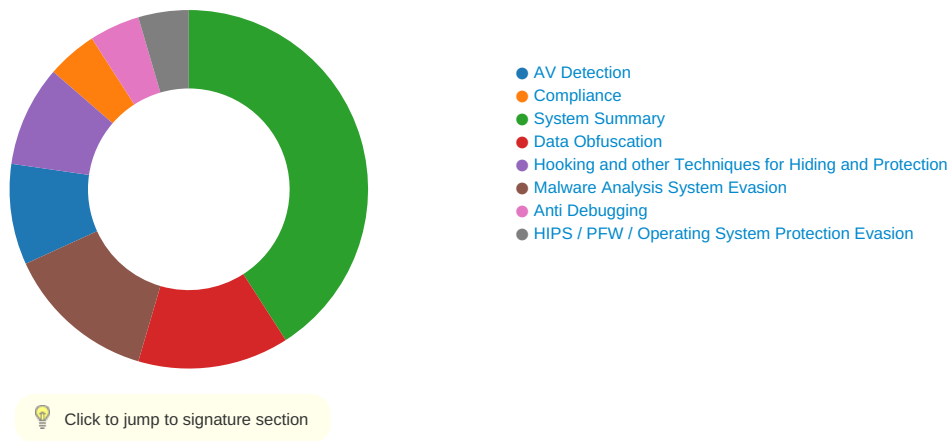
Unpacked PE's

Source	Rule	Description	Author	Strings
0.0.cotizacion.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
0.2.cotizacion.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Sigma Overview

No Sigma rule has matched

Signature Overview



AV Detection:



Multi AV Scanner detection for submitted file

Machine Learning detection for sample

Data Obfuscation:



Yara detected GuLoader

Hooking and other Techniques for Hiding and Protection:

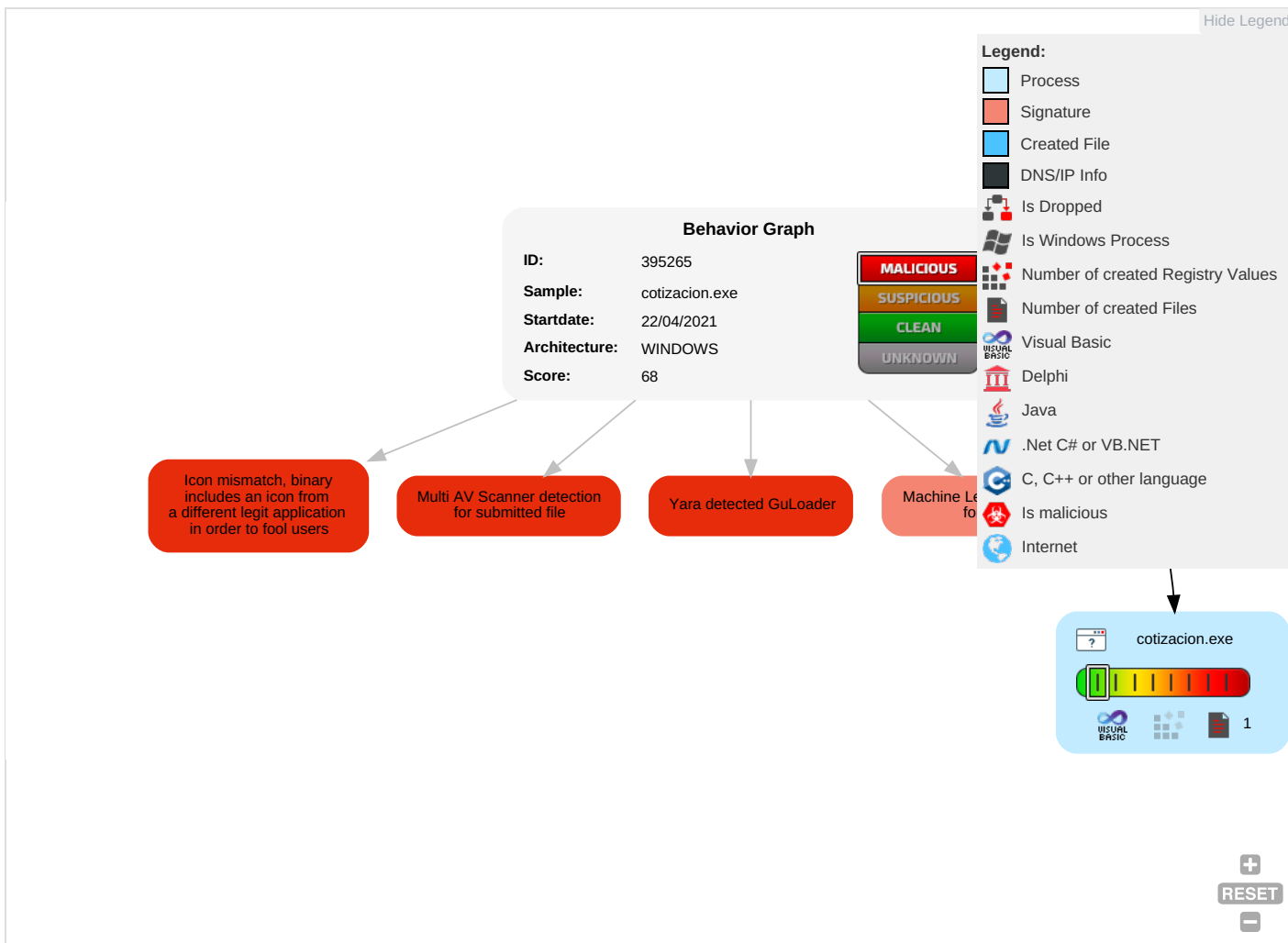


Icon mismatch, binary includes an icon from a different legit application in order to fool users

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Remote Service Effects	In
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Masquerading 1	OS Credential Dumping	Process Discovery 1	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	Eavesdrop on Insecure Network Communication	Remotely Track Device Without Authorization	M
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Process Injection 1	LSASS Memory	Application Window Discovery 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS	Remotely Wipe Data Without Authorization	D
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Obfuscated Files or Information 1	Security Account Manager	System Information Discovery 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location	Obtain Device Cloud Backups	D

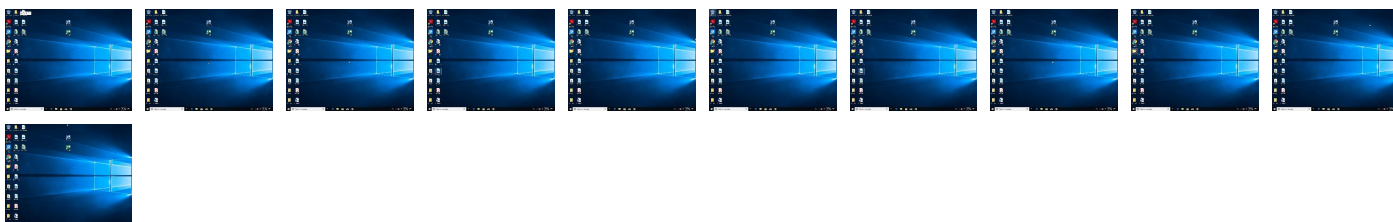
Behavior Graph



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
cotizacion.exe	63%	VirusTotal		Browse
cotizacion.exe	32%	Metadefender		Browse
cotizacion.exe	70%	ReversingLabs	Win32.Trojan.VBObfuse	
cotizacion.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:	395265
Start date:	22.04.2021
Start time:	11:16:18
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 4m 52s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	cotizacion.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
Number of analysed new started processes analysed:	12
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:	mal68.troj.winEXE@1/0@0/0
EGA Information:	• Successful, ratio: 100%
HDC Information:	• Successful, ratio: 95.3% (good quality ratio 56.3%) • Quality average: 28.7% • Quality standard deviation: 26.6%
HCA Information:	Failed
Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .exe
Warnings:	Show All • Exclude process from analysis (whitelisted): taskhostw.exe, MpCmdRun.exe, SgrmBroker.exe, conhost.exe, svchost.exe

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):	5.714049017467046
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:	cotizacion.exe
File size:	118784
MD5:	35f5d83dbc44b907d379c5ab35f725f8
SHA1:	745ba0ab77e726e01d3f2fca4506383948906e24
SHA256:	daf8d6de50e27c49b372d6cb0a7c6b7cd7a0946f959d13d3d3eb8d5d892c9eb7
SHA512:	76404764d6eb8d7392207ced43ba52b39702bdcff84e0b3842af2fa35105000abdf8d1e8c34a778fceb651ae4f52369d6e85645e0452db49c53ade5cd37e775
SSDEEP:	1536:PA1ybwSbXGgN79EiSJ99mLUaYugzYxrm19Ko2o/1hQr5UOaM0tmxswXpuqltL:P0KbVN7VSDXUxrh0G
File Content Preview:	MZ.....@.....!..L!Th is program cannot be run in DOS mode...\$.....#...B...B ...B..L^...B...`...B...d...B..Rich.B.....PE..L....).M..... .....p...`.....h.....@.....

File Icon



Icon Hash: c0c6f2e0e4fefe3f

Static PE Info

General	
Entrypoint:	0x401968
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:	0x4DAB29E3 [Sun Apr 17 17:56:51 2011 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:	7677b40f5f8927412a58af017314f1ed

Entrypoint Preview

Instruction
push 0040F0A8h
call 00007FC704574F23h
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
inc eax
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [esi], dh
loopne 00007FC704574F21h
mov edx, 4F5D2BC2h
mov es, ax
dec ebp
dec ecx
push 00000037h
hlt
and dword ptr [eax], eax
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [ecx], al
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [ebp+45h], cl
push esp
inc ecx
dec esp
dec edi
inc edi
dec ecx
inc ebx
inc ecx
dec esp
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [eax], al
add byte ptr [eax], al

Instruction

add bh, bh

int3

xor dword ptr [eax], eax

or al, ACh

sbb eax, dword ptr [esi]

push ebx

aaa

loop 00007FC704574ED9h

inc ebp

xchg eax, esi

and byte ptr [eax+4Fh], bl

lea ecx, dword ptr [esp+esi]

je 00007FC704574F4Ch

in al, dx

or al, D1h

and cl, bl

call far 69DBh : CB71A849h

xchg eax, edi

wait

Data Directories

Name	Virtual Address	Virtual Size	Is in Section
IMAGE_DIRECTORY_ENTRY_EXPORT	0x0	0x0	
IMAGE_DIRECTORY_ENTRY_IMPORT	0x17324	0x28	.text
IMAGE_DIRECTORY_ENTRY_RESOURCE	0x1a000	0x383a	.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	0x1a8	.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	0x16908	0x17000	False	0.442064368207	data	6.09226152403	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x18000	0x1260	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x1a000	0x383a	0x4000	False	0.462524414062	data	5.1445020687	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Resources

Name	RVA	Size	Type	Language	Country
RT_ICON	0x1cf92	0x8a8	data		
RT_ICON	0x1c8ca	0x6c8	data		
RT_ICON	0x1c362	0x568	GLS_BINARY_LSB_FIRST		
RT_ICON	0x1b2ba	0x10a8	data		
RT_ICON	0x1a932	0x988	data		
RT_ICON	0x1a4ca	0x468	GLS_BINARY_LSB_FIRST		
RT_GROUP_ICON	0x1a470	0x5a	data		
RT_VERSION	0x1a1e0	0x290	MS Windows COFF PA-RISC object file	English	United States

Imports

DLL	Import
MSVBVM60.DLL	__Cicos, __adj_fptan, __vbaVarMove, __vbaFreeVar, __vbaLenBstr, __vbaStrVarMove, __vbaFreeVarList, __vbaEnd, __adj_fdiv_m64, __vbaFreeObjList, __adj_fprem1, __vbaSetSystemError, __vbaHresultCheckObj, __vbaLenBstrB, __adj_fdiv_m32, __vbaAryDestruct, __vbaOnError, __vbaObjSet, __adj_fdiv_m16i, __vbaObjSetAddr, __adj_fdivr_m16i, __vbaFpR8, __vbaVarTstLt, __CIsin, __vbaChkstk, EVENT_SINK_AddRef, __vbaStrCmp, __vbaObjVar, DllFunctionCall, __adj_fpatan, EVENT_SINK_Release, __CIsqrt, EVENT_SINK_QueryInterface, __vbaExcepthandler, __adj_fprem, __adj_fdivr_m64, __vbaFPEException, __vbaStrVarVal, __Cilog, __vbaNew2, __vbaInStr, __adj_fdiv_m32i, __adj_fdivr_m32i, __vbaStrCopy, __vbaI4Str, __vbaFreeStrList, __adj_fdivr_m32, __adj_fdiv_r, __vbaVarTstNe, __vbaLateMemCall, __vbaVarAdd, __vbaStrToAnsi, __vbaVarDup, __vbaFpl4, __vbaLateMemCall, __Catan, __vbaStrMove, __allmul, __vbaLateIdSt, __Catan, __vbaFPInt, __Clexp, __vbaFreeStr, __vbaFreeObj

Version Infos

Description	Data
Translation	0x0409 0x04b0
InternalName	Forkvakledes
FileVersion	1.00
CompanyName	Cluster-C
Comments	Cluster-C
ProductName	Cluster-C
ProductVersion	1.00
FileDescription	Cluster-C
OriginalFilename	Forkvakledes.exe

Possible Origin

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

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: cotizacion.exe PID: 1976 Parent PID: 5576

General

Start time:	11:17:10
Start date:	22/04/2021
Path:	C:\Users\user\Desktop\cotizacion.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\cotizacion.exe'
Imagebase:	0x400000
File size:	118784 bytes
MD5 hash:	35F5D83DBC44B907D379C5AB35F725F8

Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	• Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000000.00000002.493125170.0000000000401000.00000020.00020000.sdmp, Author: Joe Security • Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000000.00000000.229099820.0000000000401000.00000020.00020000.sdmp, Author: Joe Security
Reputation:	low

File Activities

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

Disassembly

Code Analysis