ID: 434934
Sample Name:
Cailbers22LongRiflorderlist.exe
Cookbook: default.jbs
Time: 16:55:18
Date: 15/06/2021
Version: 32.0.0 Black Diamond

Table of Contents

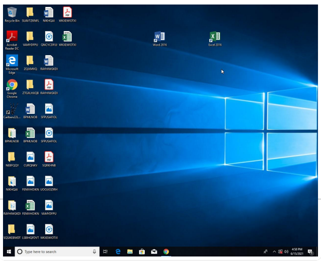
Windows Analysis Report Cailbers22LongRiflorderlist.e…

Overview

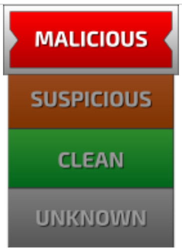
General Information

Sample Name:	Cailbers22LongRiflorderlist.exe
Analysis ID:	434934
MD5:	da7e577b39dc18..
SHA1:	4c7ff9565349068..
SHA256:	66e4fb4c25d6f26..
Tags:	exe
Infos:	

Most interesting Screenshot:



Detection



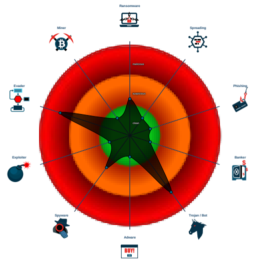
GuLoader

Score:	80
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Found malware configuration
- Yara detected GuLoader
- C2 URLs / IPs found in malware con…
- Contains functionality to detect hard…
- Detected RDTSC dummy instruction…
- Found potential dummy code loops (…
- Initial sample is a PE file and has a …
- Tries to detect virtualization through…
- Abnormal high CPU Usage
- Contains functionality for execution …
- Contains functionality to call native f…
- Contains functionality to query CPU …

Classification



Process Tree

- **System is w10x64**
- Cailbers22LongRiflorderlist.exe (PID: 6364 cmdline: 'C:\Users\user\Desktop\Cailbers22LongRiflorderlist.exe' MD5: DA7E577B39DC1882D8C2F5819EAD22E3)
- **cleanup**

Malware Configuration

Threatname: GuLoader

```
{
  "Payload URL": "https://onedrive.live.com/download?cid=CF699836D17ED884&resid=CF699836D17ED884%21110&authkey=AB6GufhtYFcXJ00P*"
}
```

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
Cailbers22LongRiflorderlist.exe	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000000.329521263.0000000000401000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
00000000.00000002.697011620.0000000000401000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Unpacked PEs

Source	Rule	Description	Author	Strings
0.2.Cailbers22LongRiflorderlist.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
0.0.Cailbers22LongRiflorderlist.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Sigma Overview

No Sigma rule has matched

Signature Overview

Click to jump to signature section

AV Detection:

Found malware configuration

Networking:

C2 URLs / IPs found in malware configuration

System Summary:

Initial sample is a PE file and has a suspicious name

Data Obfuscation:

Yara detected GuLoader

Malware Analysis System Evasion:

Contains functionality to detect hardware virtualization (CPUID execution measurement)

Detected RDTSC dummy instruction sequence (likely for instruction hammering)

Tries to detect virtualization through RDTSC time measurements

Anti Debugging:

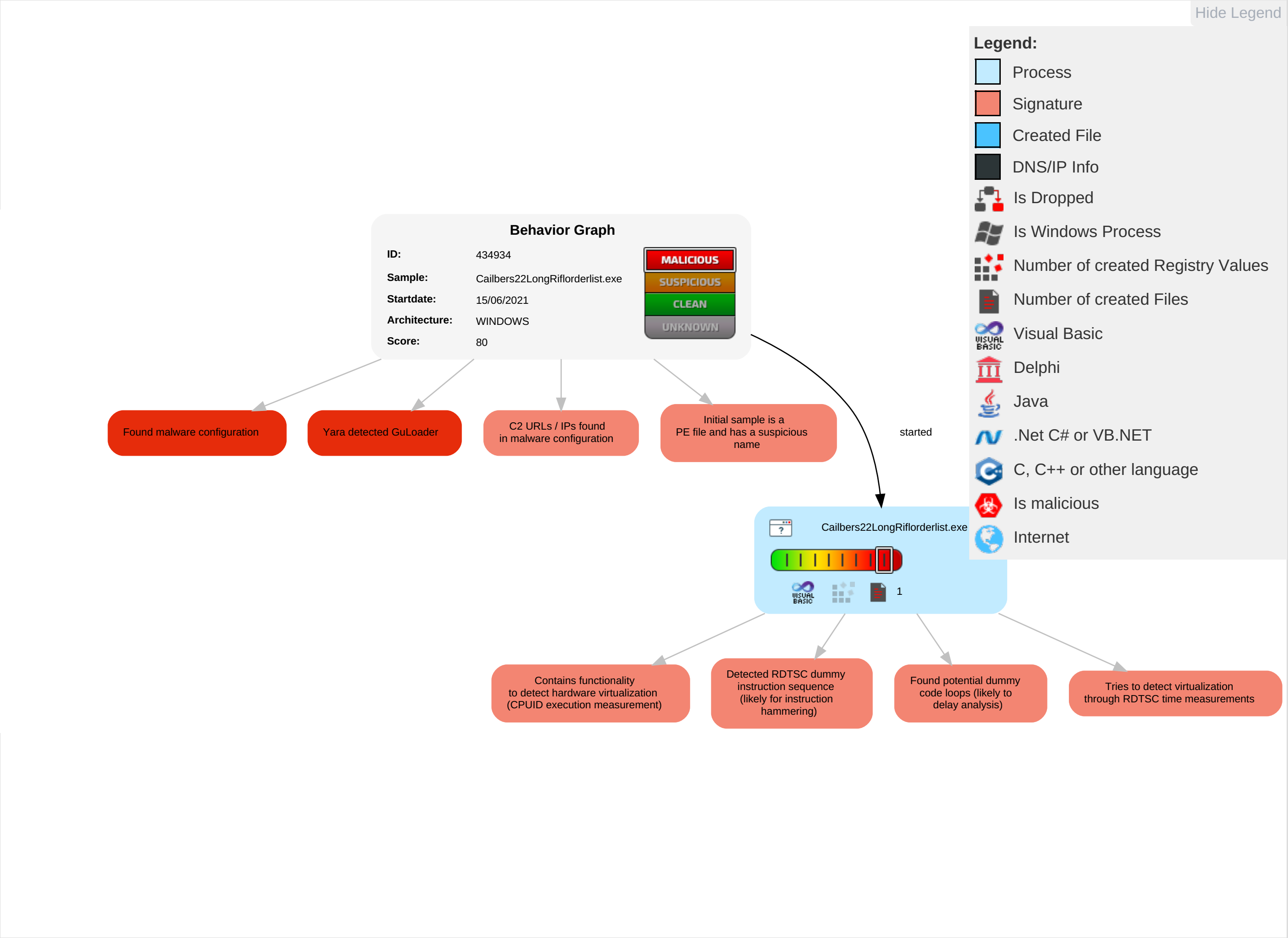
Found potential dummy code loops (likely to delay analysis)

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Re Se Ef
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1 1	Input Capture 1	Security Software Discovery 4 1	Remote Services	Input Capture 1	Exfiltration Over Other Network Medium	Encrypted Channel 1	Eavesdrop on Insecure Network Communication	Re Tr W Au
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Process Injection 1	LSASS Memory	Virtualization/Sandbox Evasion 1 1	Remote Desktop Protocol	Archive Collected Data 1	Exfiltration Over Bluetooth	Application Layer Protocol 1	Exploit SS7 to Redirect Phone Calls/SMS	Re W W Au

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Re Se Ef
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Obfuscated Files or Information 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	Ol De Cl Ba
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Binary Padding	NTDS	System Information Discovery 3 1 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	

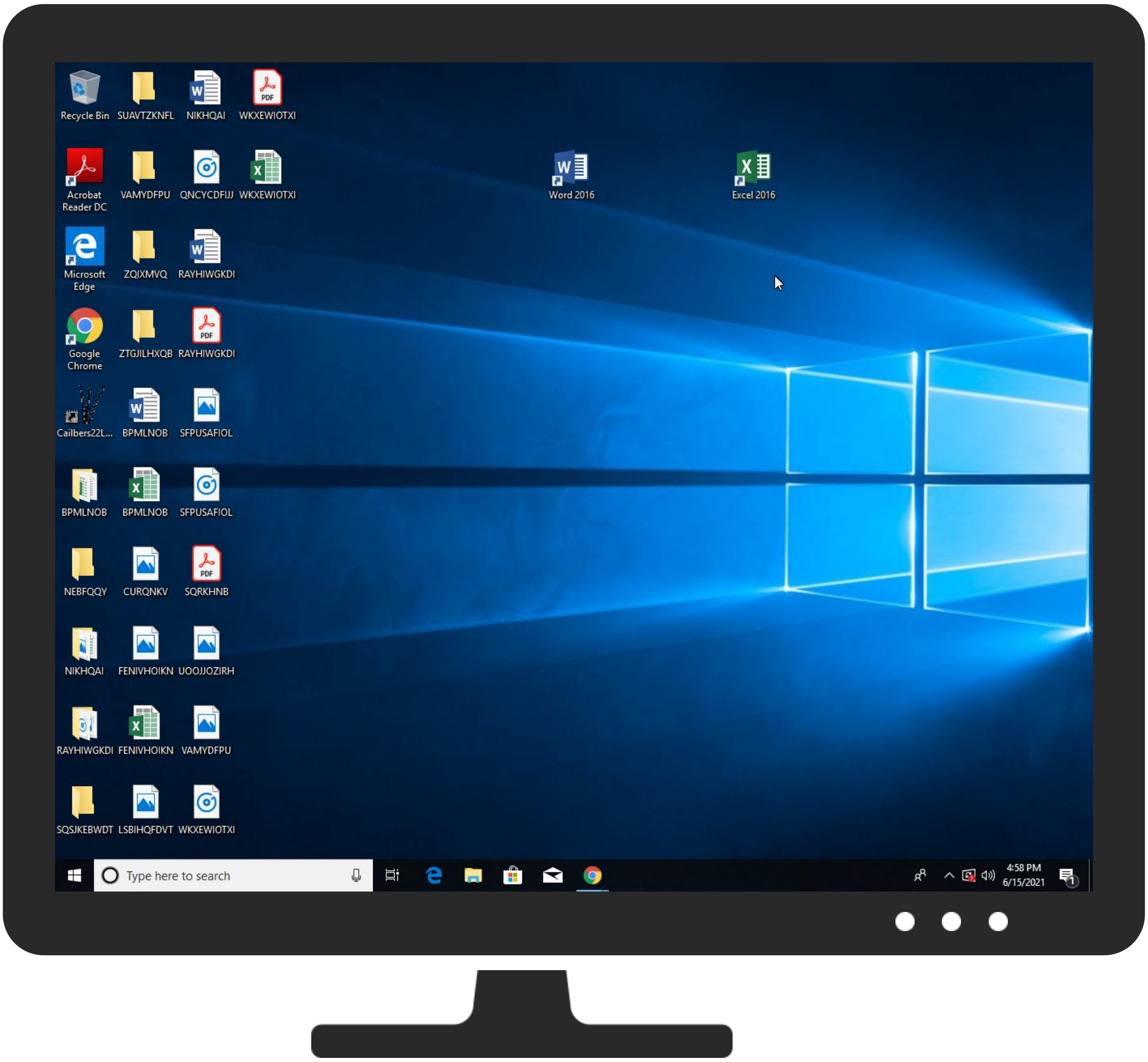
Behavior Graph


Hide Legend
Legend:
Process
Signature
Created File
DNS/IP Info
Is Dropped
Is Windows Process
Number of created Registry Values
Number of created Files
Visual Basic
Delphi
Java
.Net C# or VB.NET
C, C++ or other language
Is malicious
Internet
Behavior Graph
ID: 434934
Sample: Cailbers22LongRiflorderlist.exe
Startdate: 15/06/2021
Architecture: WINDOWS
Score: 80
MALICIOUS
SUSPICIOUS
CLEAN
UNKNOWN
Found malware configuration
Yara detected GuLoader
C2 URLs / IPs found in malware configuration
Initial sample is a PE file and has a suspicious name
started
Cailbers22LongRiflorderlist.exe
1
Contains functionality to detect hardware virtualization (CPUID execution measurement)
Detected RDTSC dummy instruction sequence (likely for instruction hammering)
Found potential dummy code loops (likely to delay analysis)
Tries to detect virtualization through RDTSC time measurements

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
Cailbers22LongRiflorderlist.exe	2%	ReversingLabs		

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 URLs

Name	Malicious	Antivirus Detection	Reputation
http://https://onedrive.live.com/download?cid=CF699836D17ED884&resid=CF699836D17ED884%21110&authkey=AB6GufhtYFcXJ00P *	false		high

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	32.0.0 Black Diamond
Analysis ID:	434934
Start date:	15.06.2021
Start time:	16:55:18
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 6m 8s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	Cailbers22LongRiflorderlist.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:	21
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:	mal80.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 2.8% (good quality ratio 0.1%) • Quality average: 4.9% • Quality standard deviation: 19.8%
HCA Information:	Failed
Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .exe • Override analysis time to 240s for sample files taking high CPU consumption
Warnings:	Show All

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):	5.908882457092713
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:	Cailbers22LongRiflorderlist.exe
File size:	270336
MD5:	da7e577b39dc1882d8c2f5819ead22e3
SHA1:	4c7ff9565349068f73d96f48423ee5ae4f832fa6
SHA256:	66e4fb4c25d6f26bd7322782642f7b3ffd5747ca736e64868f8a3c76467bf8c0
SHA512:	1d0ba9a828c6ed666ad5a7ac4bfc79f2f3ba2b8f555b02980365fa686296ac8bbb2fc4cd2a0e265d2c2967d45005bcab54b9d4114410b4ffb2f75df0be7988f7
SSDEEP:	3072:SH1hZYJQKX+an/XNSn3N59UN9+xc9+OTPl3p1YCxsaX5vt42TM:eyvNy5aN8xK+OB3zYwHo
File Content Preview:	MZ......................@...!..L.!This program cannot be run in DOS mode....$........c.S............&........ ....$......Rich....................PE..L....8.P.....................0.......(............@........

File Icon

Icon Hash:	2828bae9d2777576

Static PE Info

General

Entrypoint:	0x402894
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:	0x50E938CB [Sun Jan 6 08:41:47 2013 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:	adaafa2c180eccb7addf1201d12c8322

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x3e0ac	0x3f000	False	0.288361080109	data	6.04226982534	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x40000	0x1be8	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x42000	0x9ec	0x1000	False	0.229248046875	data	2.11966183681	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Resources

Imports

Version Infos

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: Cailbers22LongRiflorderlist.exe PID: 6364 Parent PID: 5880

General

Start time:	16:56:09
Start date:	15/06/2021
Path:	C:\Users\user\Desktop\Cailbers22LongRiflorderlist.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\Cailbers22LongRiflorderlist.exe'
Imagebase:	0x400000
File size:	270336 bytes
MD5 hash:	DA7E577B39DC1882D8C2F5819EAD22E3
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	• Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000000.00000000.329521263.0000000000401000.00000020.00020000.sdmp, Author: Joe Security • Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000000.00000002.697011620.0000000000401000.00000020.00020000.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis