

JoeSandbox Cloud BASIC



ID: 457760

Sample Name: PO#578946.exe

Cookbook: default.jbs

Time: 09:26:03

Date: 02/08/2021

Version: 33.0.0 White Diamond

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Windows Analysis Report PO#578946.exe

Overview

General Information

Sample Name:

PO#578946.exe

Analysis ID:

457760

MD5:

691bde1d30c382..

SHA1:

1ce839f49da7750.

SHA256:




9d1bfddea6c5c0a..

Tags:

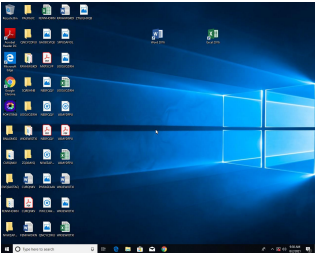
exe

GuLoader

Infos:

Most interesting Screenshot:



Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

GuLoader

Score:

96

Range:

0 - 100

Whitelisted:

false

Confidence:

100%

Signatures

Antivirus / Scanner detection for sub...

Found malware configuration

Multi AV Scanner detection for subm...

Yara detected GuLoader

C2 URLs / IPs found in malware con...

Contains functionality to detect hard...

Detected RDTSC dummy instruction...

Found potential dummy code loops (...)

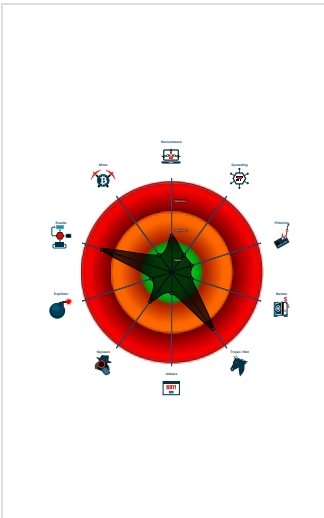
Initial sample is a PE file and has a ...

Tries to detect virtualization through...

Abnormal high CPU Usage


Contains functionality for execution ...

Classification



Process Tree

System is w10x64

 PO#578946.exe (PID: 4828 cmdline: 'C:\Users\user\Desktop\PO#578946.exe' MD5: 691BDE1D30C382256FF1072B8F305841)

cleanup

Malware Configuration

Threatname: GuLoader

{

"Payload URL": "https://drive.google.com/uc?export=download&id=1_XiRU-Ribfen&"

}

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.868117942.0000000000242 0000.00000040.00000001.sdmp	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	

Sigma Overview

No Sigma rule has matched

Jbx Signature Overview

AV Detection:



Antivirus / Scanner detection for submitted sample

Found malware configuration

Multi AV Scanner detection for submitted file

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:

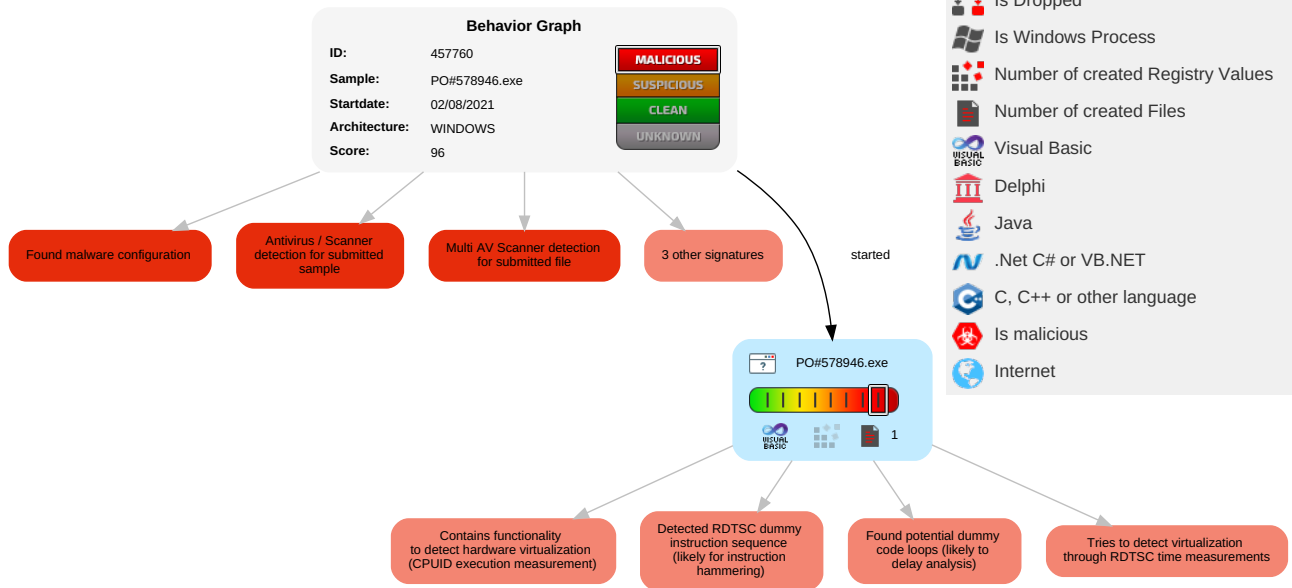


Found potential dummy code loops (likely to delay analysis)

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Recovery
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1 1	OS Credential Dumping	Security Software Discovery 4 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Encrypted Channel 1	Eavesdrop on Insecure Network Communication	Recovery Time Windows
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	Data from Removable Media	Exfiltration Over Bluetooth	Application Layer Protocol 1	Exploit SS7 to Redirect Phone Calls/SMS	Recovery Time Windows
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	Operational Capability
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	Recovery Time Windows

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
PO#578946.exe	57%	Virustotal		Browse
PO#578946.exe	35%	ReversingLabs	Win32.Trojan.Fragtor	
PO#578946.exe	100%	Avira	HEUR/AGEN.1130122	

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:	33.0.0 White Diamond
Analysis ID:	457760
Start date:	02.08.2021
Start time:	09:26:03
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 42s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	PO#578946.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:	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:	<ul style="list-style-type: none">• HCA enabled• EGA enabled• HDC enabled• AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal96.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	<ul style="list-style-type: none">• Successful, ratio: 1.1% (good quality ratio 0.2%)• Quality average: 17.4%• Quality standard deviation: 34.8%
HCA Information:	Failed
Cookbook Comments:	<ul style="list-style-type: none">• 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):	6.304822927566701
TrID:	<ul style="list-style-type: none">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:	PO#578946.exe
File size:	98304
MD5:	691bde1d30c382256ff1072b8f305841
SHA1:	1ce839f49da7750ab19f0e709747a36dce1933fc
SHA256:	9d1bfddea6c5c0a596af58ed64e6c38d2a274e507ca8d92d8fc801e3d8878cca
SHA512:	b8eba412543f38959d50279654d72be9f208e45d7fca1023aa07baf75c328d7bf7aba2cbd8a1a9761f6ae1942fcea0f6e593ea1ec2c74d7f941ac734a046ee3c
SSDEEP:	1536:9xnKKKKKKKKKKKKKKKKKKKKKKKKKKKKKKCKK KKKKKKKKKKKKKKKKKKKKKKKKKKKDKs:oauQiP2d+a
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...[.Z..... ...P...0.....`.....@.....

File Icon

	
Icon Hash:	c4e8c8ccce0e8e8

Static PE Info

General	
Entrypoint:	0x4012bc
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:	0x5A01D35B [Tue Nov 7 15:38:03 2017 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:	6859d1daf1cf351f8ea3b0beb22606a9

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x14bfc	0x15000	False	0.442638578869	data	6.71966680684	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x16000	0x11b0	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x18000	0xc08	0x1000	False	0.311279296875	data	3.24284778332	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
Chinese	Taiwan	

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: PO#578946.exe PID: 4828 Parent PID: 5976

General

Start time:	09:26:56
Start date:	02/08/2021
Path:	C:\Users\user\Desktop\PO#578946.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\PO#578946.exe'
Imagebase:	0x400000
File size:	98304 bytes
MD5 hash:	691BDE1D30C382256FF1072B8F305841
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	<ul style="list-style-type: none">Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000000.00000002.868117942.0000000002420000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis