

JoeSandbox Cloud BASIC



ID: 457757

Sample Name: June-
July_Commission_List_Summary-
2021.exe

Cookbook: default.jbs

Time: 09:32:27

Date: 02/08/2021

Version: 33.0.0 White Diamond

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Windows Analysis Report June-July_Commission_List_...

Overview

General Information

Sample Name:

June-July_Commission_List_Summary-2021.exe

Analysis ID:

457757

MD5:

bc6d6f6c55211e9..

SHA1:

07b6f45608594b9.

SHA256:

4326190ec077d6..

Tags:

exe

GuLoader

Infos:

Most interesting Screenshot:

Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

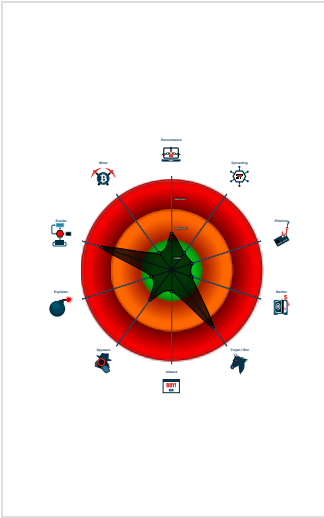
GuLoader

Score:	88
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- 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 (...)
- Machine Learning detection for samp...
- Tries to detect virtualization through...
- Abnormal high CPU Usage
- Contains functionality for execution ...
- Contains functionality to call native f...

Classification



Process Tree

- System is w10x64
- June-July_Commission_List_Summary-2021.exe (PID: 1308 cmdline: 'C:\Users\user\Desktop\June-July_Commission_List_Summary-2021.exe' MD5: BC6D6F6C55211E9FFC8972F330135DA7)
- cleanup

Malware Configuration

Threatname: GuLoader

```
{
  "Payload URL": "http://91.245.255.54/remcos_a_QLYzBK"
}
```

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000001.00000002.1304299129.00000000023 30000.00000040.00000001.sdmmp	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	

Sigma Overview

No Sigma rule has matched

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:



C2 URLs / IPs found in malware configuration

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:

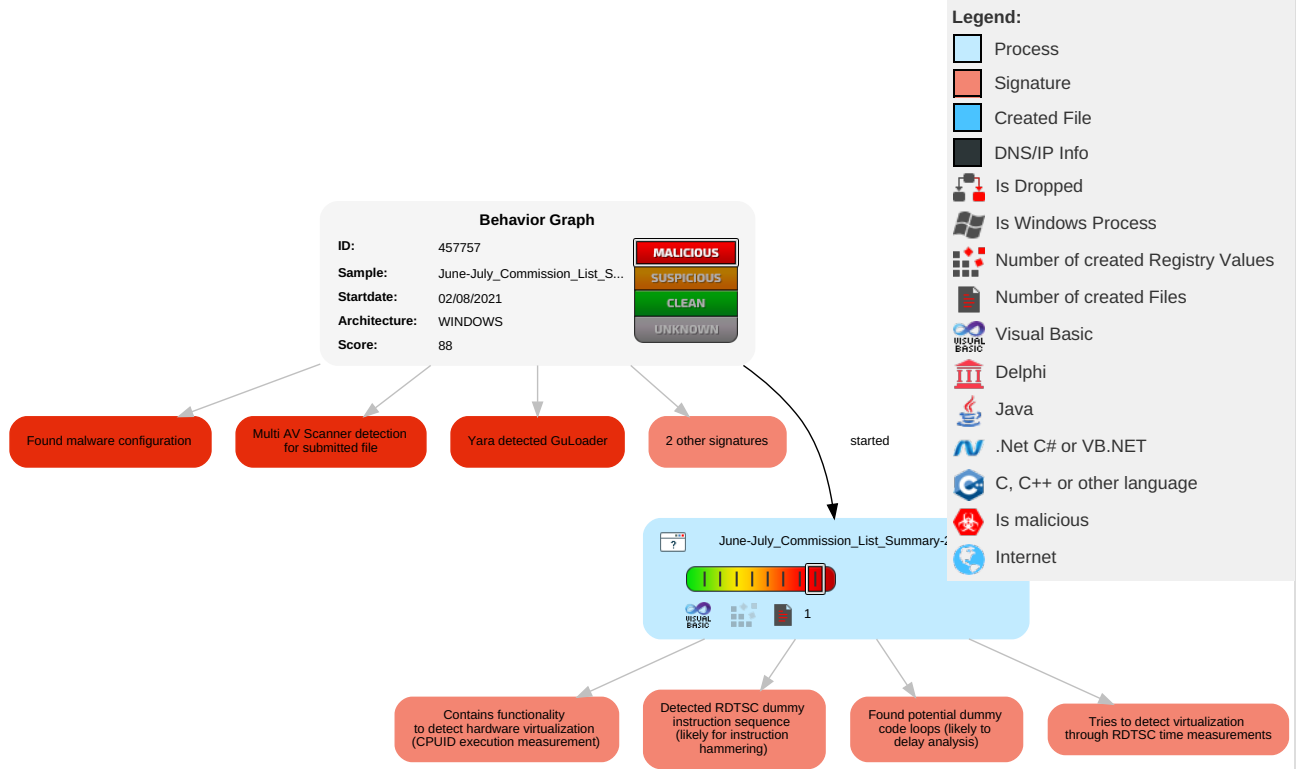


Found potential dummy code loops (likely to delay analysis)

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
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Software Packing 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
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Process Injection 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
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Obfuscated Files or Information 2	NTDS	System Information Discovery 3 1 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	Recovery

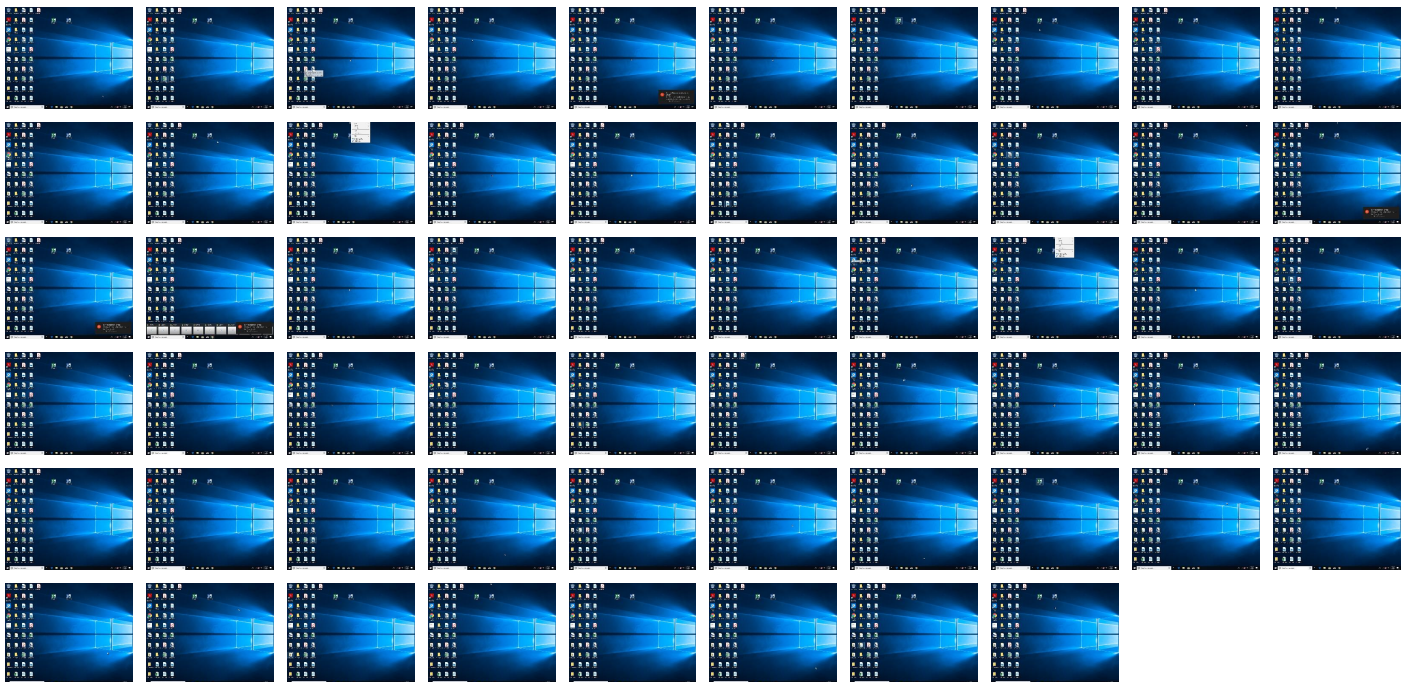
Behavior Graph



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
June-July_Commission_List_Summary-2021.exe	30%	Virustotal		Browse
June-July_Commission_List_Summary-2021.exe	17%	ReversingLabs	Win32.Trojan.Mucc	
June-July_Commission_List_Summary-2021.exe	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://91.245.255.54/remcos_a_QIzBK	0%	Avira URL Cloud	safe	

Domains and IPs

Contacted Domains

No contacted domains info

Contacted URLs

Name	Malicious	Antivirus Detection	Reputation
http://91.245.255.54/remcos_a_QIYzBK	true	<ul style="list-style-type: none">Avira URL Cloud: safe	unknown

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	33.0.0 White Diamond
Analysis ID:	457757
Start date:	02.08.2021
Start time:	09:32:27
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 12m 4s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	June-July_Commission_List_Summary-2021.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:	Suspected Instruction Hammering Hide Perf
Number of analysed new started processes analysed:	41
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 enabledEGA enabledHDC enabledAMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal88.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	<ul style="list-style-type: none">Successful, ratio: 39.5% (good quality ratio 22.2%)Quality average: 32.7%Quality standard deviation: 34.4%
HCA Information:	Failed
Cookbook Comments:	<ul style="list-style-type: none">Adjust boot timeEnable AMSIFound application associated with file extension: .exe
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):	4.8708154897145
TrID:	<ul style="list-style-type: none">Win32 Executable (generic) a (10002005/4) 99.96%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:	June-July_Commission_List_Summary-2021.exe
File size:	471040
MD5:	bc6d6f6c55211e9ffc8972f330135da7
SHA1:	07b6f45608594b9ee812a9a95f80e51d644424c9
SHA256:	4326190ec077d66ad458337eed8a4f517cfd354247e921c4d01d9f50d9346e32
SHA512:	a7947412f8c4d063d8fc4618f806d3900df4a47cc042da6ebbc893f7399eb2be20361ca92c324b31f37ffb896c2b827ca161cf7d24d17ceda0c9a2a8db85afec
SSDEEP:	3072:W1bzponwO9HPBFRXBQnmCpy4eeF9d6tTbsYPYcF4v98C8OZW44PcpLg7SO32OGI0:W1bz+woH0mtmmTNYMSB
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.....S.....@.....@.....

File Icon



Icon Hash:

09090d0909040901

Static PE Info

General

Entrypoint:	0x4015bc
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:	0x5317A394 [Wed Mar 5 22:22:12 2014 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:	6a2215b83e94f57aa594370ef2448759

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x2ee9c	0x2f000	False	0.605172664561	data	7.14012596914	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x30000	0x11e8	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x32000	0x41ae4	0x42000	False	0.052353367661	data	2.16158172255	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: June-July_Commission_List_Summary-2021.exe PID: 1308 Parent PID: 5580

General

Start time:	09:33:24
Start date:	02/08/2021
Path:	C:\Users\user\Desktop\June-July_Commission_List_Summary-2021.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\June-July_Commission_List_Summary-2021.exe'
Imagebase:	0x400000
File size:	471040 bytes
MD5 hash:	BC6D6F6C55211E9FFC8972F330135DA7
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: 00000001.00000002.1304299129.0000000002330000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis