

JOESandbox Cloud BASIC



ID: 452531

Sample Name: MWSW9nxmUK

Cookbook: default.jbs

Time: 14:52:16

Date: 22/07/2021

Version: 33.0.0 White Diamond

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Windows Analysis Report MWSW9nxmUK

Overview

General Information

Sample Name:	MWSW9nxmUK (renamed file extension from none to exe)
Analysis ID:	452531
MD5:	c937fc9ed4325e6..
SHA1:	00439295920e78..
SHA256:	d54cafc1ca36d0d..
Tags:	32 exe trojan
Infos:	
Most interesting Screenshot:	

Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

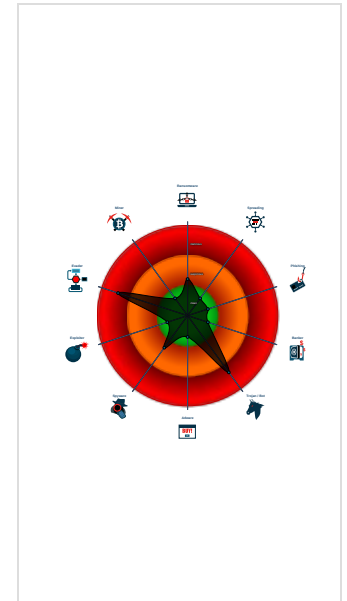
GuLoader

Score:	84
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 (...)
- Tries to detect virtualization through...
- Abnormal high CPU Usage
- Contains functionality for execution ...
- Contains functionality to call native f...
- Contains functionality to query CPU ...
- Contains functionality to read the PEB
- Creates a DirectInput object (often fo...

Classification



Process Tree

- System is w10x64
- MWSW9nxmUK.exe (PID: 5060 cmdline: 'C:\Users\user\Desktop\MWSW9nxmUK.exe' MD5: C937FC9ED4325E6AB24D49A3175F3A5C)
- cleanup

Malware Configuration

Threatname: GuLoader

```
{  
  "Payload URL": "https://kinmirai.org/wp-content/bin_inUIIdCgQk163.bin"  
}
```

Yara Overview


Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.745965954.0000000002BD 0000.00000040.00000001.sdmp	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

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 RDTS instruction sequence (likely for instruction hammering)

Tries to detect virtualization through RDTS time measurements

Anti Debugging:

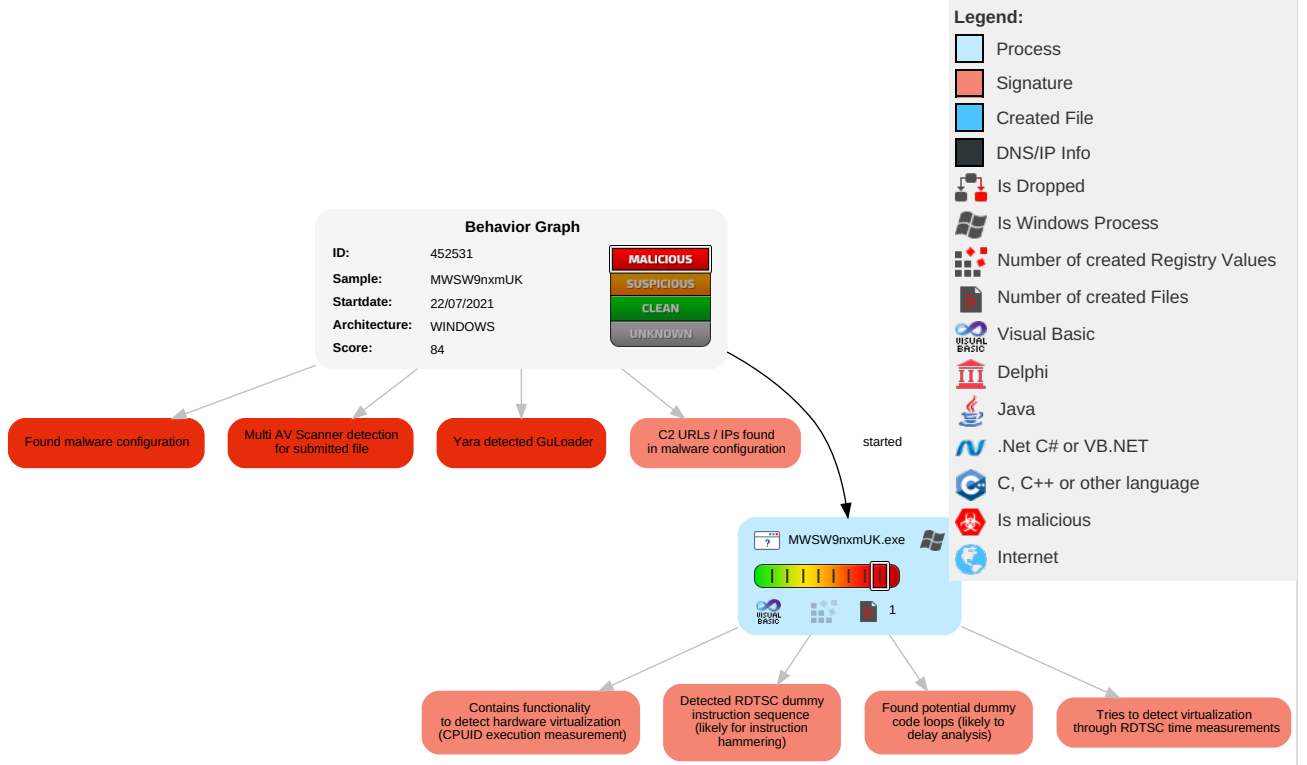


Found potential dummy code loops (likely to delay analysis)

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Reconnaissance
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	Reconnaissance
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	Reconnaissance
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	Other
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	Behavioral

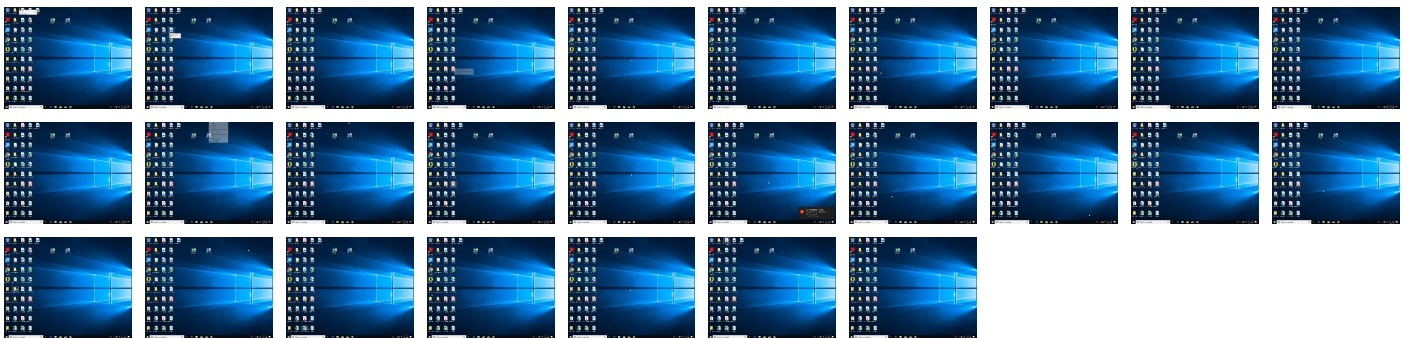
Behavior Graph



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
MWSW9nxmUK.exe	44%	VirusTotal		Browse
MWSW9nxmUK.exe	43%	ReversingLabs	Win32.Trojan.Vebzenpak	

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://https://kinmirai.org/wp-content/bin_inUIldCgQk163.bin	0%	Avira URL Cloud	safe	

Domains and IPs

Contacted Domains

No contacted domains info

Contacted URLs

Name	Malicious	Antivirus Detection	Reputation
http://https://kinmirai.org/wp-content/bin_inUldCgQk163.bin	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:	452531
Start date:	22.07.2021
Start time:	14:52:16
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 57s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	MWSW9nmxUK (renamed file extension from none to 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:	31
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:	mal84.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	<ul style="list-style-type: none">Successful, ratio: 53%Number of executed functions: 0Number of non-executed functions: 0
Cookbook Comments:	<ul style="list-style-type: none">Adjust boot timeEnable AMSIOverride 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):	4.648392883751036
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:	MWSW9nxmUK.exe
File size:	246888
MD5:	c937fc9ed4325e6ab24d49a3175f3a5c
SHA1:	00439295920e78ecac31d1dbf7eb67118d76299a
SHA256:	d54cfc1ca36d0ddd134f53d033ebbaaa490721d62d416f106a9b6c7cfa200ba
SHA512:	ff13a5d3bfd503e0f11c9d974a4ac88f965eec14cbf07723ac9ed425222aaa7c5871a6438cd7491fbd694424ebe4c8675dc076e81564204583336a2940e9a9d0
SSDEEP:	1536:HrnnnnnnnnnnnnnnrKDnnnnnnnnnnnnnnCnnnnnnnnnnnnnnXnnnnnnnnnnnnE:H6LVbA8nT1vvn9dnj6czcW
File Content Preview:	MZ.....@.....!.L!Th is program cannot be run in DOS mode...\$.y.....Rich.....PE..L...S.....0...p.. ...0.....@.....@.....

File Icon



Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: MWSW9nxmUK.exe PID: 5060 Parent PID: 5768

General

Start time:	14:53:08
Start date:	22/07/2021
Path:	C:\Users\user\Desktop\MWSW9nxmUK.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\MWSW9nxmUK.exe'
Imagebase:	0x400000
File size:	246888 bytes
MD5 hash:	C937FC9ED4325E6AB24D49A3175F3A5C
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: 00000000.00000002.745965954.000000002BD0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis