

JoeSandbox Cloud BASIC



**ID:** 458740

**Sample Name:** JXblq0dqPN.exe

**Cookbook:** default.jbs

**Time:** 17:49:01

**Date:** 03/08/2021

**Version:** 33.0.0 White Diamond

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# Windows Analysis Report JXblq0dqPN.exe

## Overview

### General Information

Sample Name:

JXblq0dqPN.exe

Analysis ID:

458740

MD5:

8718d75b7cac53..

SHA1:

2a37a01df74c887.

SHA256:




6f40242247db00e.

Tags:

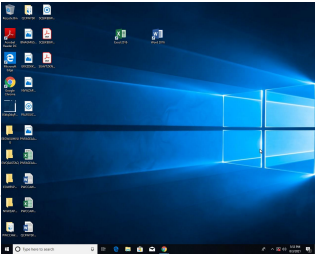
exe

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...

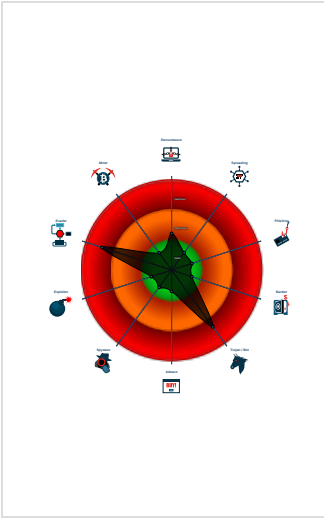
Tries to detect virtualization through...

Abnormal high CPU Usage


Contains functionality for execution ...

Contains functionality to call native f...

### Classification



## Process Tree

- System is w10x64
-  JXblq0dqPN.exe (PID: 5092 cmdline: 'C:\Users\user\Desktop\JXblq0dqPN.exe' MD5: 8718D75B7CAC53F13D01DDEA9B52CEE0)
- cleanup

## Malware Configuration

Threatname: GuLoader

```
{  "Payload URL": "http://101.99.94.119/WEALTH_fkHgIQyCX0188.bin"}
```

## Yara Overview

### Memory Dumps

Source	Rule	Description	Author	Strings
00000001.00000002.734564394.0000000002BA0000.00000040.00000001.sdmp	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	

## Sigma Overview

No Sigma rule has matched

## Jbx Signature Overview

## 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:

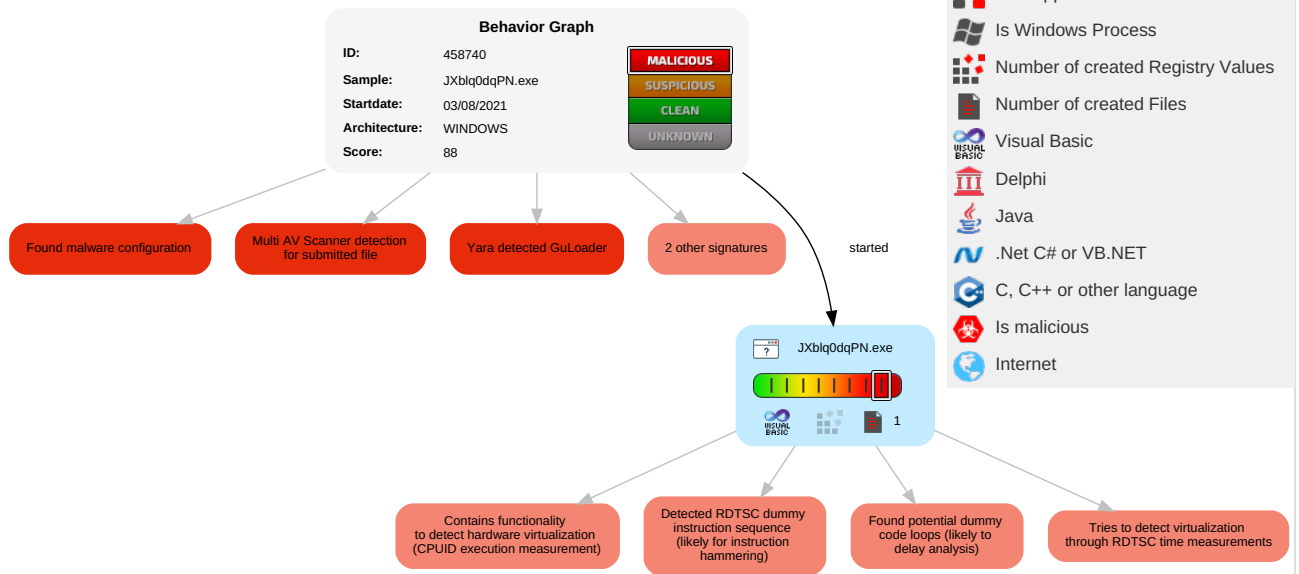


Found potential dummy code loops (likely to delay analysis)

## 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	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
JXblq0dqPN.exe	36%	Virustotal		<a href="#">Browse</a>
JXblq0dqPN.exe	18%	ReversingLabs	Win32.Trojan.Vebzenpak	
JXblq0dqPN.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
<a href="http://101.99.94.119/WEALTH_fkWglQyCXO188.bin">http://101.99.94.119/WEALTH_fkWglQyCXO188.bin</a>	1%	Virustotal		<a href="#">Browse</a>
<a href="http://101.99.94.119/WEALTH_fkWglQyCXO188.bin">http://101.99.94.119/WEALTH_fkWglQyCXO188.bin</a>	0%	Avira URL Cloud	safe	

## Domains and IPs

### Contacted Domains

No contacted domains info

### Contacted URLs

Name	Malicious	Antivirus Detection	Reputation
http://101.99.94.119/WEALTH_fkWglQyCXO188.bin	true	<ul style="list-style-type: none"><li>1%, Virustotal, <a href="#">Browse</a></li><li>Avira URL Cloud: safe</li></ul>	unknown

### Contacted IPs

No contacted IP infos

## General Information

Joe Sandbox Version:	33.0.0 White Diamond
Analysis ID:	458740
Start date:	03.08.2021
Start time:	17:49:01
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 13s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	JXblq0dqPN.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:	28
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"><li>HCA enabled</li><li>EGA enabled</li><li>HDC enabled</li><li>AMSI enabled</li></ul>
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"><li>Successful, ratio: 22.6% (good quality ratio 11.6%)</li><li>Quality average: 33.2%</li><li>Quality standard deviation: 37.7%</li></ul>
HCA Information:	Failed
Cookbook Comments:	<ul style="list-style-type: none"><li>Adjust boot time</li><li>Enable AMSI</li><li>Found application associated with file extension: .exe</li><li>Override analysis time to 240s for sample files taking high CPU consumption</li></ul>
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):	6.6665085666892185
TrID:	<ul style="list-style-type: none"><li>Win32 Executable (generic) a (10002005/4) 99.96%</li><li>Generic Win/DOS Executable (2004/3) 0.02%</li><li>DOS Executable Generic (2002/1) 0.02%</li><li>Autodesk FLIC Image File (extensions: flc, fli, cel) (7/3) 0.00%</li></ul>
File name:	JXblq0dqPN.exe
File size:	114688
MD5:	8718d75b7cac53f13d01ddea9b52cee0
SHA1:	2a37a01df74c887bb52eb2762d7d6ae0bd5e6b0b
SHA256:	6f40242247db00eea1922d0c2a38337ddea49d9da02693679d2e4bfb19e6c088
SHA512:	bd5ef6a34d6ce64ff42ccc54cec25fcb9813cb794e046c7929da98cb11cd15f4edbbcea430b0859f7a3a2b34376bt9f904eb8bc50f9bc014e41a8c8397deeb2
SSDEEP:	1536:mHPwUa96PZfLN0CNzYRn5ZxtBMAphNQmiPYDEZfM96nHPwU:mHluZ1NzMBXMGh7DEhHI
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... T.Q..... .....@.....D.....P....@.....

### File Icon



	
Icon Hash:	6a6a6a6a6a6a6a6a

## Static PE Info

### General

Entrypoint:	0x401144
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:	0x5188547C [Tue May 7 01:10:20 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:	5565993a5a9f2bfb76f28ab304be6bc1

### Entrypoint Preview

### Data Directories

### Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x13dd4	0x14000	False	0.650927734375	data	7.08584386702	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x15000	0x115c	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x17000	0x5ba2	0x6000	False	0.545939127604	data	6.04233444538	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: JXblq0dqPN.exe PID: 5092 Parent PID: 5604

### General

Start time:	17:49:49
Start date:	03/08/2021
Path:	C:\Users\user\Desktop\JXblq0dqPN.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\JXblq0dqPN.exe'
Imagebase:	0x400000
File size:	114688 bytes
MD5 hash:	8718D75B7CAC53F13D01DDEA9B52CEE0
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	<ul style="list-style-type: none"><li>Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000001.00000002.734564394.0000000002BA0000.00000040.00000001.sdmp, Author: Joe Security</li></ul>
Reputation:	low

### File Activities

Show Windows behavior

## Disassembly

## Code Analysis