Joe Sandbox Cloud BASIC

ID: 502551
Sample Name: Maj PO.exe
Cookbook: default.jbs
Time: 03:28:10
Date: 14/10/2021
Version: 33.0.0 White Diamond

Table of Contents

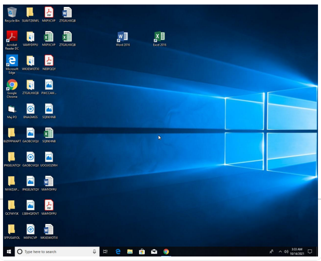
Windows Analysis Report Maj PO.exe

Overview

General Information

Sample Name:	Maj PO.exe
Analysis ID:	502551
MD5:	ebc68c72c1d9dd..
SHA1:	2ba515688b053a..
SHA256:	0e11a705924902..
Tags:	exe guloader
Infos:	

Most interesting Screenshot:



Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

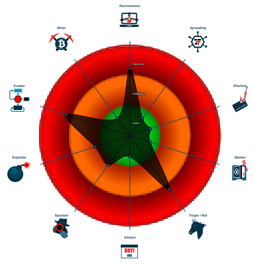
GuLoader

Score:	64
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Potential malicious icon found
- Yara detected GuLoader
- Tries to detect virtualization through…
- Found potential dummy code loops (…
- Creates a DirectInput object (often fo…
- Uses 32bit PE files
- Found inlined nop instructions (likely…
- Sample file is different than original …
- PE file contains strange resources
- Contains functionality to read the PEB
- Uses code obfuscation techniques (…
- Detected potential crypto function

Classification



Process Tree

- **System is w10x64**
- Maj PO.exe (PID: 6760 cmdline: 'C:\Users\user\Desktop\Maj PO.exe' MD5: EBC68C72C1D9DDB811C502683D4A72FF)
- **cleanup**

Malware Configuration

No configs have been found

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.1181513848.00000000007 20000.00000040.00000001.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

System Summary:

Potential malicious icon found

Data Obfuscation:

Yara detected GuLoader

Malware Analysis System Evasion:

Tries to detect virtualization through RDTSC time measurements

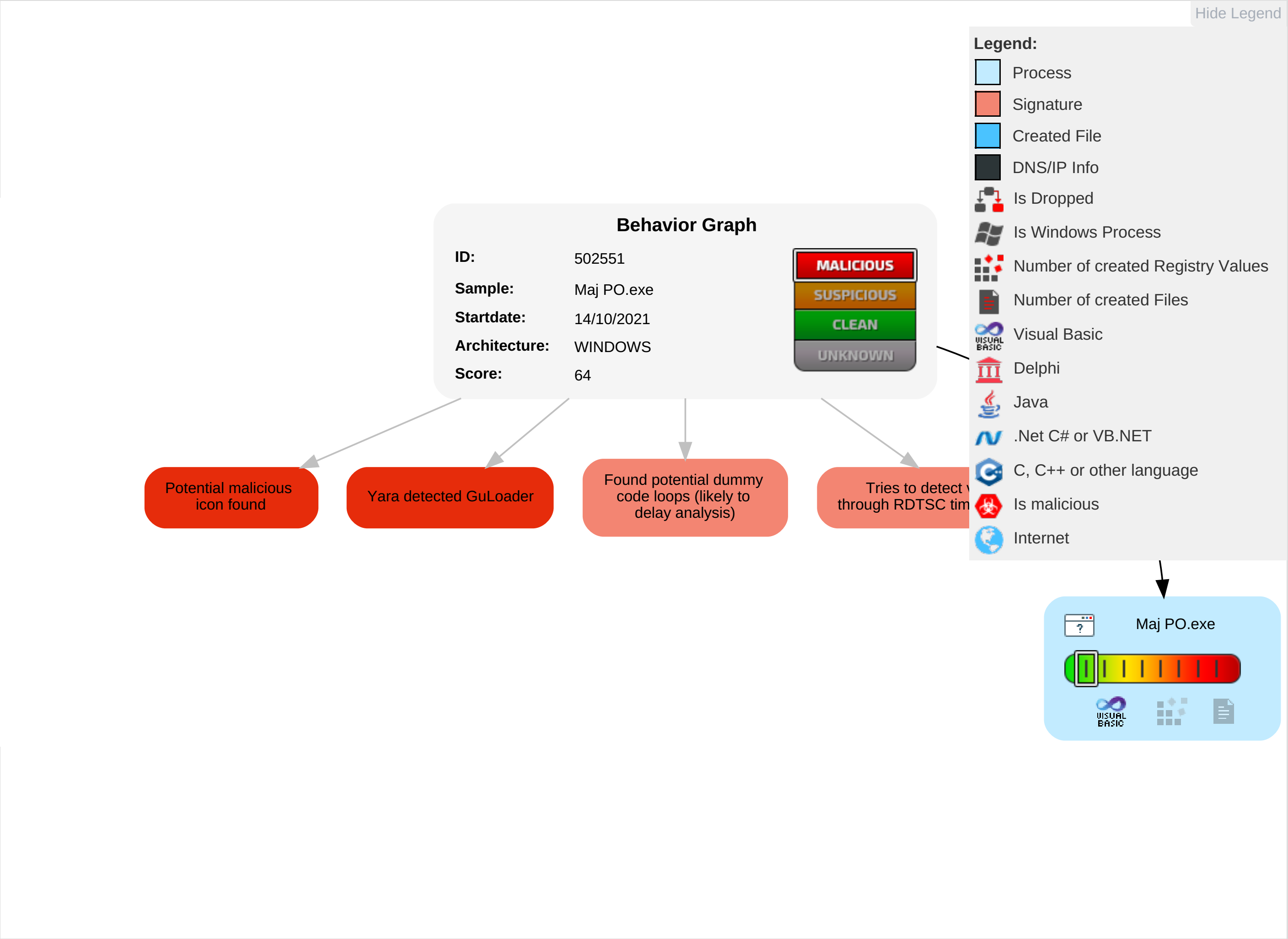
Anti Debugging:

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 2 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	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS	Re W W Au
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Deobfuscate/Decode 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)	Obfuscated Files or Information 3	NTDS	System Information Discovery 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

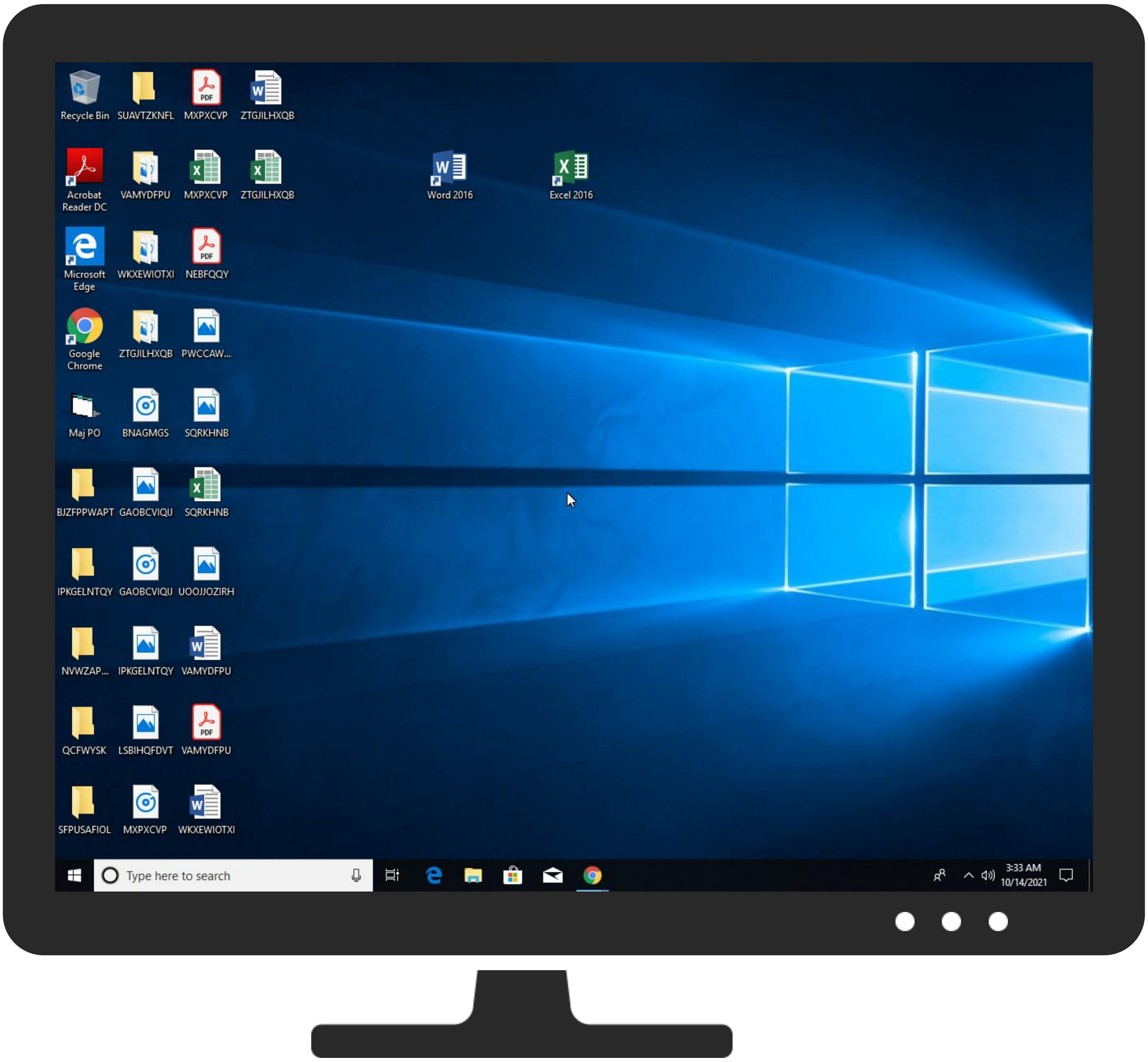
ID:	502551
Sample:	Maj PO.exe
Startdate:	14/10/2021
Architecture:	WINDOWS
Score:	64

MALICIOUS
SUSPICIOUS
CLEAN
UNKNOWN
Potential malicious icon found
Yara detected GuLoader
Found potential dummy code loops (likely to delay analysis)
Tries to detect v through RDTSC tim
Maj PO.exe
VISUAL BASIC

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

No Antivirus matches

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:	502551
Start date:	14.10.2021
Start time:	03:28:10
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 0s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	Maj PO.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:	16
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:	mal64.rans.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 30.4% (good quality ratio 15.4%) • Quality average: 25.1% • Quality standard deviation: 29.5%
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):	6.243078528675113
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:	Maj PO.exe
File size:	139264
MD5:	ebc68c72c1d9ddb811c502683d4a72ff
SHA1:	2ba515688b053a2e6153b5f21baa379b8b120b5e
SHA256:	0e11a70592490252dab6e6d9ea4d35832ac26d99488280 7377e79ea00788713b
SHA512:	dbf9c8008600be8a1e8c972599ec2f35f75649cf4dd6363 0e5e4a01552588c61d3f3b1954506ffe4a0ecc72d85a4ed e1cb6375ca3256a4ea1878deb96c39b27c
SSDEEP:	1536:CNUtOVhx7REJQt+k0FthV8xVWkW0CJ4GcZUI4 XHzDbHmBIVzXmiMgL0j+NC5DDm/:XgREWt+FbV8xV WhiGHfOj+NC5e
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...j..P............ ........`......h.............@.............B..

File Icon

Icon Hash:	20047c7c70f0e004

Static PE Info

General

Entrypoint:	0x401868
Entrypoint Section:	.text
Digitally signed:	false

General

Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	LOCAL_SYMS_STRIPPED, 32BIT_MACHINE, EXECUTABLE_IMAGE, LINE_NUMS_STRIPPED, RELOCS_STRIPPED
DLL Characteristics:	
Time Stamp:	0x5017966A [Tue Jul 31 08:25:14 2012 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:	c727a98e677fb7bd25bb06d2a2d956f1

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x1a020	0x1b000	False	0.553674768519	data	6.68539370186	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x1c000	0xaf0	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x1d000	0x455a	0x5000	False	0.396240234375	data	4.60609768552	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: Maj PO.exe PID: 6760 Parent PID: 5156

General

Start time:	03:29:03
Start date:	14/10/2021
Path:	C:\Users\user\Desktop\Maj PO.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\Maj PO.exe'
Imagebase:	0x400000
File size:	139264 bytes
MD5 hash:	EBC68C72C1D9DDB811C502683D4A72FF
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	• Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000000.00000002.1181513848.0000000000720000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis

Joe Sandbox Cloud Basic 33.0.0 White Diamond