

JoeSandbox Cloud BASIC



ID: 452731

Sample Name:

ENQUIRY_101.exe

Cookbook: default.jbs

Time: 19:11:21

Date: 22/07/2021

Version: 33.0.0 White Diamond

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Windows Analysis Report ENQUIRY_101.exe

Overview

General Information

Sample Name:	ENQUIRY_101.exe
Analysis ID:	452731
MD5:	5b14a7366cf5dbe.
SHA1:	2a39f1d215a739d.
SHA256:	f6ef92f6911bb14...
Tags:	exe
Infos:	
Most interesting Screenshot:	

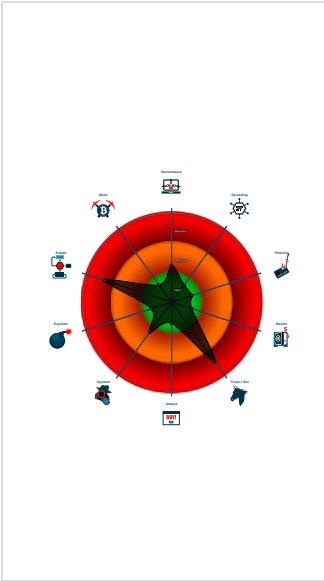
Detection

MALICIOUS SUSPICIOUS CLEAN UNKNOWN AgentTesla	
Score:	84
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

Found malware configuration
Yara detected AgentTesla
Yara detected AgentTesla
Initial sample is a PE file and has a ...
Injects a PE file into a foreign proce...
Machine Learning detection for samp...
Queries sensitive BIOS Information ...
Queries sensitive network adapter in...
Antivirus or Machine Learning detec...
Contains long sleeps (>= 3 min)
Creates a process in suspended mo...
Detected potential crypto function
Enables debug privileges
Found a high number of Window / Us...

Classification



Process Tree

- System is w10x64
- ENQUIRY_101.exe (PID: 6796 cmdline: 'C:\Users\user\Desktop\ENQUIRY_101.exe' MD5: 5B14A7366CF5DBEA3386C6AFBD25F012)
 - ENQUIRY_101.exe (PID: 6292 cmdline: C:\Users\user\Desktop\ENQUIRY_101.exe MD5: 5B14A7366CF5DBEA3386C6AFBD25F012)
- cleanup

Malware Configuration

Threatname: Agenttesla

```
{
  "Exfil Mode": "SMTP",
  "Username": "info@hajartrading.net",
  "Password": "Hajarbh@1993",
  "Host": "box5363.bluehost.com"
}
```

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000007.00000002.943178137.000000000040 2000.00000040.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
00000007.00000002.943178137.000000000040 2000.00000040.00000001.sdmp	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
00000007.00000002.944445963.000000000343 1000.00000004.00000001.sdmp	JoeSecurity_CredentialStealer	Yara detected Credential Stealer	Joe Security	
Process Memory Space: ENQUIRY_101.exe PID: 6292	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	

Source	Rule	Description	Author	Strings
Process Memory Space: ENQUIRY_101.exe PID: 6292	JoeSecurity_CredentialStealer	Yara detected Credential Stealer	Joe Security	

Unpacked PEs

Source	Rule	Description	Author	Strings
7.2.ENQUIRY_101.exe.400000.0.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
7.2.ENQUIRY_101.exe.400000.0.unpack	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	

Sigma Overview

No Sigma rule has matched

Jbx Signature Overview

 Click to jump to signature section

AV Detection:



Found malware configuration

Machine Learning detection for sample

System Summary:



Initial sample is a PE file and has a suspicious name

Malware Analysis System Evasion:



Queries sensitive BIOS Information (via WMI, Win32_Bios & Win32_BaseBoard, often done to detect virtual machines)

Queries sensitive network adapter information (via WMI, Win32_NetworkAdapter, often done to detect virtual machines)

HIPS / PFW / Operating System Protection Evasion:



Injects a PE file into a foreign processes

Stealing of Sensitive Information:



Yara detected AgentTesla

Yara detected AgentTesla

Remote Access Functionality:



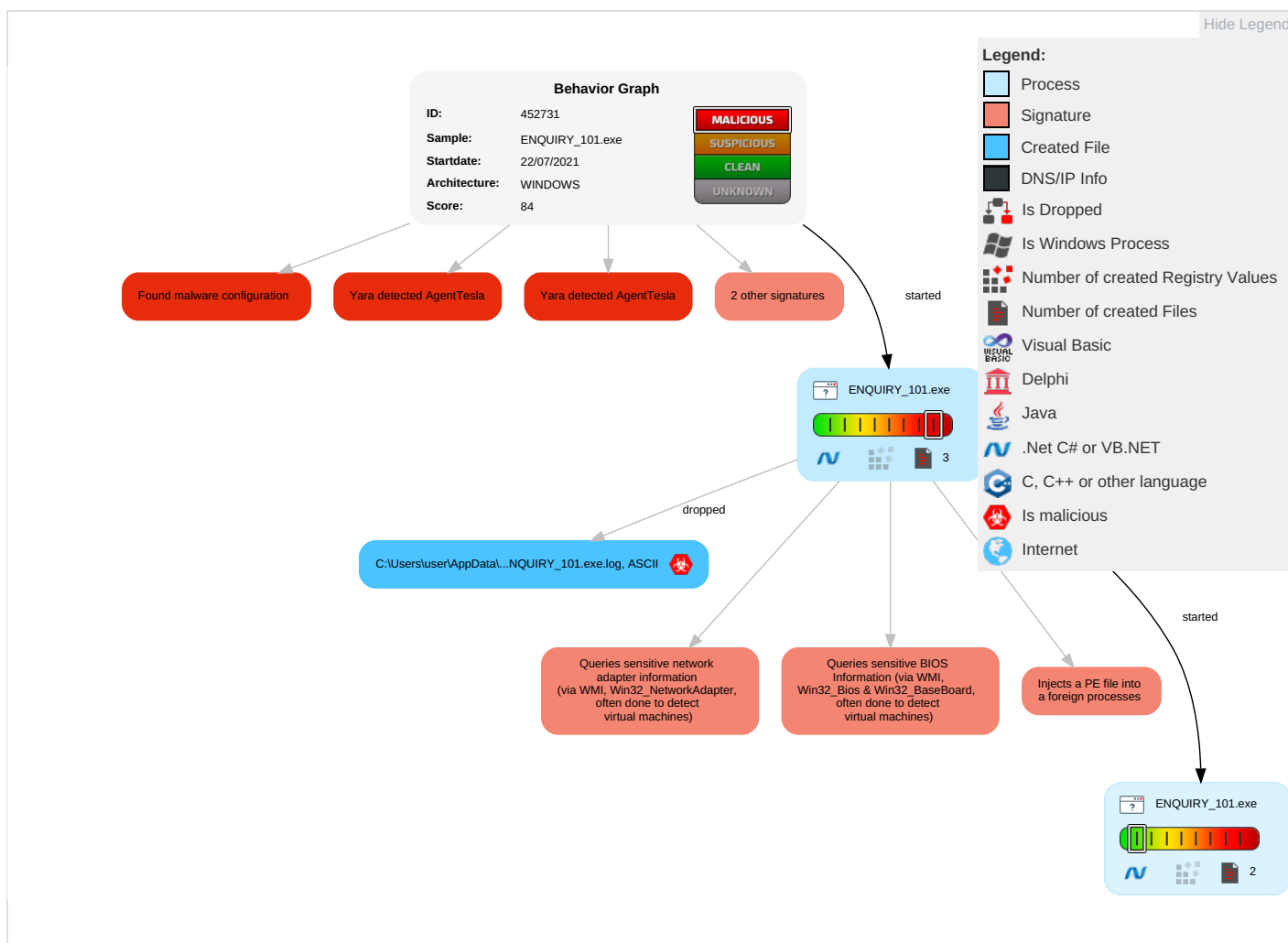
Yara detected AgentTesla

Yara detected AgentTesla

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control
Valid Accounts	Windows Management Instrumentation 2 1 1	Path Interception	Process Injection 1 1 2	Masquerading 1	OS Credential Dumping	Security Software Discovery 1 1 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Encrypted Channel 1
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Disable or Modify Tools 1	LSASS Memory	Process Discovery 2	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Virtualization/Sandbox Evasion 1 3 1	Security Account Manager	Virtualization/Sandbox Evasion 1 3 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Process Injection 1 1 2	NTDS	Application Window Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Obfuscated Files or Information 2	LSA Secrets	Account Discovery 1	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Software Packing 3	Cached Domain Credentials	System Owner/User Discovery 1	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication
External Remote Services	Scheduled Task	Startup Items	Startup Items	Compile After Delivery	DCSync	System Information Discovery 1 1 3	Windows Remote Management	Web Portal Capture	Exfiltration Over Alternative Protocol	Commonly Used Port

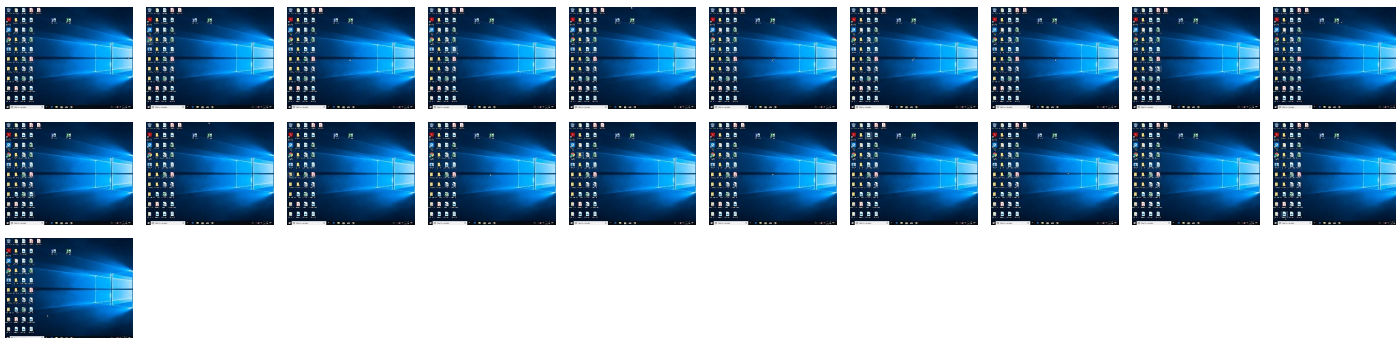
Behavior Graph



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
ENQUIRY_101.exe	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
7.2.ENQUIRY_101.exe.400000.0.unpack	100%	Avira	TR/Spy.Gen8		Download File

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://www.agfamonotype.c	0%	Avira URL Cloud	safe	
http://127.0.0.1:HTTP/1.1	0%	Avira URL Cloud	safe	
http://AeXMrV.com	0%	Avira URL Cloud	safe	
http://DynDns.comDynDNS	0%	URL Reputation	safe	
http://DynDns.comDynDNS	0%	URL Reputation	safe	
http://DynDns.comDynDNS	0%	URL Reputation	safe	
http://www.fontbureau.comF	0%	URL Reputation	safe	
http://www.fontbureau.comF	0%	URL Reputation	safe	
http://www.fontbureau.comF	0%	URL Reputation	safe	
http://www.agfamonotype.	0%	URL Reputation	safe	
http://www.agfamonotype.	0%	URL Reputation	safe	
http://www.agfamonotype.	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/Q	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/Q	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/Q	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip%tordir%%ha	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip%tordir%%ha	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip%tordir%%ha	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/a-d	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/a-d	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/a-d	0%	URL Reputation	safe	
http://www.founder.com.cn/cn_tr	0%	Avira URL Cloud	safe	
http://www.fontbureau.comma	0%	Avira URL Cloud	safe	
http://www.jiyu-kobo.co.jp/L	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/L	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/L	0%	URL Reputation	safe	
http://www.fonts.comic~	0%	Avira URL Cloud	safe	
http://www.jiyu-kobo.co.jp/e	0%	Avira URL Cloud	safe	
http://www.jiyu-kobo.co.jp/jp/	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/jp/	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/jp/	0%	URL Reputation	safe	
http://www.fontbureau.coma	0%	URL Reputation	safe	
http://www.fontbureau.coma	0%	URL Reputation	safe	
http://www.fontbureau.coma	0%	URL Reputation	safe	
http://www.fontbureau.comd	0%	URL Reputation	safe	
http://www.fontbureau.comd	0%	URL Reputation	safe	
http://www.fontbureau.comd	0%	URL Reputation	safe	
http://www.sakkal.comgu	0%	Avira URL Cloud	safe	
http://www.fonts.comtx	0%	Avira URL Cloud	safe	
http://www.tiro.comZ	0%	Avira URL Cloud	safe	
http://www.fontbureau.comituF	0%	URL Reputation	safe	
http://www.fontbureau.comituF	0%	URL Reputation	safe	
http://www.fontbureau.comituF	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/5	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/5	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/5	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/jp/c	0%	Avira URL Cloud	safe	
http://www.fonts.comD	0%	Avira URL Cloud	safe	
http://www.jiyu-kobo.co.jp/YO/	0%	URL Reputation	safe	

Source	Detection	Scanner	Label	Link
http://www.jiyu-kobo.co.jp/Y0/	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/Y0/	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/Y0-g	0%	Avira URL Cloud	safe	
http://www.jiyu-kobo.co.jp/	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/	0%	URL Reputation	safe	
http://www.fontbureau.comFz	0%	Avira URL Cloud	safe	
http://www.jiyu-kobo.co.jp/h	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/h	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/h	0%	URL Reputation	safe	
http://www.fontbureau.comalic	0%	URL Reputation	safe	
http://www.fontbureau.comalic	0%	URL Reputation	safe	
http://www.fontbureau.comalic	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/c	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/c	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/c	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/s-ez	0%	Avira URL Cloud	safe	
http://www.sakkal.com	0%	URL Reputation	safe	
http://www.sakkal.com	0%	URL Reputation	safe	
http://www.sakkal.com	0%	URL Reputation	safe	
http://www.fontbureau.com.TTF	0%	URL Reputation	safe	
http://www.fontbureau.com.TTF	0%	URL Reputation	safe	
http://www.fontbureau.com.TTF	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip	0%	URL Reputation	safe	
http://www.fontbureau.comalse	0%	Avira URL Cloud	safe	

Domains and IPs

Contacted Domains

No contacted domains info

URLs from Memory and Binaries

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	33.0.0 White Diamond
Analysis ID:	452731
Start date:	22.07.2021
Start time:	19:11:21
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 9m 6s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	ENQUIRY_101.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:	• HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal84.troj.evad.winEXE@3/1@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 1.1% (good quality ratio 0.7%) • Quality average: 41.9% • Quality standard deviation: 33%
HCA Information:	• Successful, ratio: 99% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .exe
Warnings:	Show All

Simulations

Behavior and APIs

Time	Type	Description
19:12:53	API Interceptor	592x Sleep call for process: ENQUIRY_101.exe modified

Joe Sandbox View / Context

IPs

No context

Domains

No context

ASN

No context

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\ENQUIRY_101.exe.log		
Process:	C:\Users\user\Desktop\ENQUIRY_101.exe	
File Type:	ASCII text, with CRLF line terminators	
Category:	dropped	
Size (bytes):	1216	

C:\Users\user1\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\ENQUIRY_101.exe.log	
Entropy (8bit):	5.355304211458859
Encrypted:	false
SSDEEP:	24:MLUE4K5E4Ks2E1qE4x84qXKDE4KhK3VZ9pKhPKIE4oKFKHKoZAE4Kzr7FE4j:MIHK5HKXE1qHxviYHKhQnoPtHoxHhAHY
MD5:	69206D3AF7D6EFD08F4B4726998856D3
SHA1:	E778D4BF781F7712163CF5E2F5E7C15953E484CF
SHA-256:	A937AD22F9C3E667A062BA0E116672960CD93522F6997C77C00370755929BA87
SHA-512:	CD270C3DF75E548C9B0727F13F44F45262BD474336E89AAEBE56FABFE8076CD4638F88D3C0837B67C2EB3C54055679B07E4212FB3FEDBF88C015EB5DBBCD7F8
Malicious:	true
Reputation:	high, very likely benign file
Preview:	1,"fusion","GAC",0..1,"WinRT","NotApp",1..2,"System.Windows.Forms, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"System, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System\4f0a7eefa3cd3e0ba98b5ebddbcb72e6\System.Core\ni.dll",0..2,"System.Drawing, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a",0..2,"Microsoft.VisualBasic, Version=10.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a",0..3,"System.Core, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\1d8480152e0da9a60ad49c6d16a3b6d\System.Core\ni.dll",0..3,"System.Configuration, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a",0..3,"System.Xml, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a

Static File Info

General	
File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
Entropy (8bit):	7.763416763918635
TrID:	- Win32 Executable (generic) Net Framework (10011505/4) 49.83% - Win32 Executable (generic) a (10002005/4) 49.78% - Generic CIL Executable (.NET, Mono, etc.) (73296/58) 0.36% - Generic Win/DOS Executable (2004/3) 0.01% - DOS Executable Generic (2002/1) 0.01%
File name:	ENQUIRY_101.exe
File size:	747008
MD5:	5b14a7366cf5dbea3386c6afbd25f012
SHA1:	2a39f1d215a739ddf4e2daf87fb42e26f12f72ac
SHA256:	f6ef92f6911bb14f5b8905f3964d21a9569c41c4e5367d0ee8aec59d54eb7024
SHA512:	df11b3ff17cb7a4508a7629e978ca175824f4dae73f9cbdde60da7825ebac73f9c335fc02883a0bcd007e8806c6372400eeb1e746cc97cfcaf051d55169a172
SSDEEP:	12288:NCKE0cm4fvJZx2wzrO+kaA6i0NrJhVFo4actOTj1xcoPGniqEW5zh1Sly:NCKEZM4ZHNzrOlaA7u9S4jtOoenio
File Content Preview:	MZ.....@.....!..!Th is program cannot be run in DOS mode....\$.PE..L.... ~.~.....P.Z.....x.....@.. ...@.....

File Icon

	
Icon Hash:	00828e8e8686b000

Static PE Info

General	
Entrypoint:	0x4b78fe
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	32BIT_MACHINE, EXECUTABLE_IMAGE
DLL Characteristics:	NO_SEH, TERMINAL_SERVER_AWARE, DYNAMIC_BASE, NX_COMPAT
Time Stamp:	0x60F87E15 [Wed Jul 21 20:05:41 2021 UTC]

General

TLS Callbacks:	
CLR (.Net) Version:	v4.0.30319
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:	f34d5f2d4577ed6d9ceec516c1f5a744

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x2000	0xb5904	0xb5a00	False	0.862994935048	data	7.77326608249	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.rsrc	0xb8000	0x650	0x800	False	0.34765625	data	3.55281808773	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.reloc	0xba000	0xc	0x200	False	0.041015625	data	0.0815394123432	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ

Resources

Imports

Version Infos

Network Behavior

No network behavior found

Code Manipulations

Statistics

Behavior



Click to jump to process

System Behavior

Analysis Process: ENQUIRY_101.exe PID: 6796 Parent PID: 5812

General

Start time:	19:12:23
Start date:	22/07/2021
Path:	C:\Users\user\Desktop\ENQUIRY_101.exe

Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\ENQUIRY_101.exe'
Imagebase:	0x230000
File size:	747008 bytes
MD5 hash:	5B14A7366CF5DBEA3386C6AFBD25F012
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Reputation:	low

File Activities

Show Windows behavior

File Created

File Written

File Read

Analysis Process: ENQUIRY_101.exe PID: 6292 Parent PID: 6796

General

Start time:	19:12:53
Start date:	22/07/2021
Path:	C:\Users\user\Desktop\ENQUIRY_101.exe
Wow64 process (32bit):	true
Commandline:	C:\Users\user\Desktop\ENQUIRY_101.exe
Imagebase:	0xfc0000
File size:	747008 bytes
MD5 hash:	5B14A7366CF5DBEA3386C6AFBD25F012
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Yara matches:	- Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000007.00000002.943178137.0000000000402000.00000040.00000001.sdmp, Author: Joe Security - Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000007.00000002.943178137.0000000000402000.00000040.00000001.sdmp, Author: Joe Security - Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 00000007.00000002.944445963.0000000003431000.00000004.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

File Created

File Read

Disassembly

Code Analysis