ID: 483724
Sample Name: DHL AWB - 5032675620 _SEPTEMBER 2021.exe
Cookbook: default.jbs
Time: 12:15:13
Date: 15/09/2021
Version: 33.0.0 White Diamond

Table of Contents

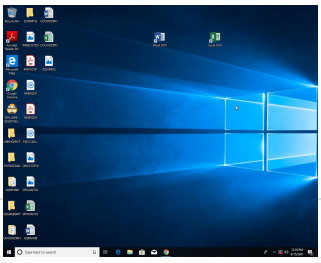
Windows Analysis Report DHL AWB - 5032675620 _SEP…

Overview

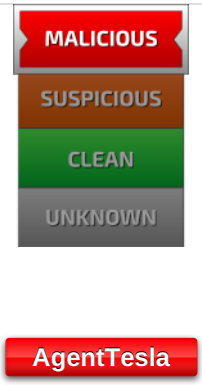
General Information

Sample Name:	DHL AWB - 5032675620 _SEPTEMBER 2021.exe
Analysis ID:	483724
MD5:	d96d6c6caef7581..
SHA1:	8d90376c829099..
SHA256:	bd2b1d4a42425c..
Tags:	agenttesla exe
Infos:	

Most interesting Screenshot:



Detection

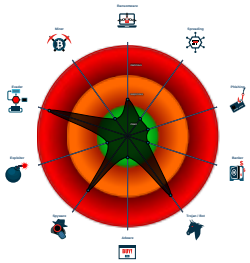


Score:	100
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Found malware configuration
- Multi AV Scanner detection for subm…
- Yara detected AgentTesla
- Yara detected AntiVM3
- Tries to detect sandboxes and other…
- .NET source code contains potentia…
- Injects a PE file into a foreign proce…
- .NET source code contains very larg…
- Tries to steal Mail credentials (via fil…
- Queries sensitive network adapter in…
- Tries to harvest and steal browser in…
- Queries sensitive BIOS Information …

Classification



Process Tree

- **System is w10x64**
- DHL AWB - 5032675620 _SEPTEMBER 2021.exe (PID: 5996 cmdline: 'C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe' MD5: D96D6C6CAEF758178386D9E0FC47B21A)
  - DHL AWB - 5032675620 _SEPTEMBER 2021.exe (PID: 6552 cmdline: C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe MD5: D96D6C6CAEF758178386D9E0FC47B21A)
- **cleanup**

Malware Configuration

Threatname: Agenttesla

```
{
  "Exfil Mode": "SMTP",
  "Username": "sam@htprress.com",
  "Password": "#m!Bebe2",
  "Host": "smtp.htprress.com"
}
```

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.384708060.0000000002EB2000.00000004.00000001.sdmp	JoeSecurity_AntiVM_3	Yara detected AntiVM_3	Joe Security	
00000005.00000002.625722721.0000000002EC2000.00000004.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
00000005.00000002.622420916.0000000000402000.00000040.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
00000005.00000002.622420916.0000000000402000.00000040.00000001.sdmp	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
00000005.00000002.625103449.0000000002E11000.00000004.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	

Source	Rule	Description	Author	Strings
Click to see the 7 entries				

Unpacked PEs

Source	Rule	Description	Author	Strings
5.2.DHL AWB - 5032675620 _SEPTEMBER 2021 .exe.400000.0.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
5.2.DHL AWB - 5032675620 _SEPTEMBER 2021 .exe.400000.0.unpack	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
0.2.DHL AWB - 5032675620 _SEPTEMBER 2021 .exe.3f6e188.5.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
0.2.DHL AWB - 5032675620 _SEPTEMBER 2021 .exe.3f6e188.5.unpack	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
0.2.DHL AWB - 5032675620 _SEPTEMBER 2021 .exe.4086d60.4.raw.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
Click to see the 3 entries				

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

System Summary:

.NET source code contains very large strings

Data Obfuscation:

.NET source code contains potential unpacker

Malware Analysis System Evasion:

Yara detected AntiVM3

Tries to detect sandboxes and other dynamic analysis tools (process name or module or function)

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

Queries sensitive BIOS Information (via WMI, Win32_Bios & Win32_BaseBoard, 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

Tries to steal Mail credentials (via file access)

Tries to harvest and steal browser information (history, passwords, etc)

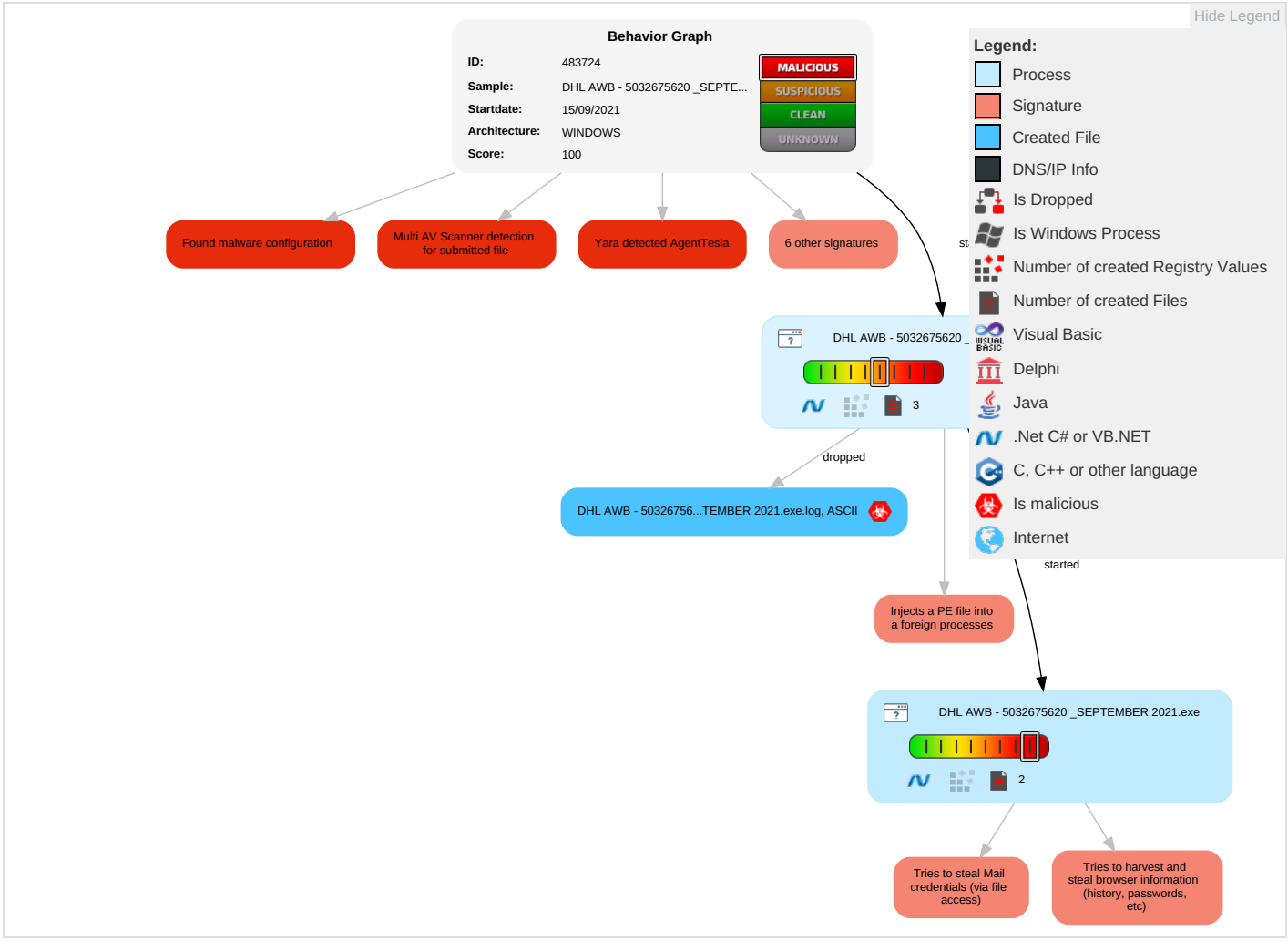
Remote Access Functionality:

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 1	Security Software Discovery 2 1 1	Remote Services	Email Collection 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	Input Capture 1	Process Discovery 2	Remote Desktop Protocol	Input Capture 1	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	Archive Collected Data 1 1	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	Data from Local System 1	Scheduled Transfer	Protocol Impersonation
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Deobfuscate/Decode Files or Information 1	LSA Secrets	System Information Discovery 1 1 4	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Obfuscated Files or Information 2	Cached Domain Credentials	System Owner/User Discovery	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communicatior
External Remote Services	Scheduled Task	Startup Items	Startup Items	Software Packing 1 3	DCSync	Network Sniffing	Windows Remote Management	Web Portal Capture	Exfiltration Over Alternative Protocol	Commonly Used Port

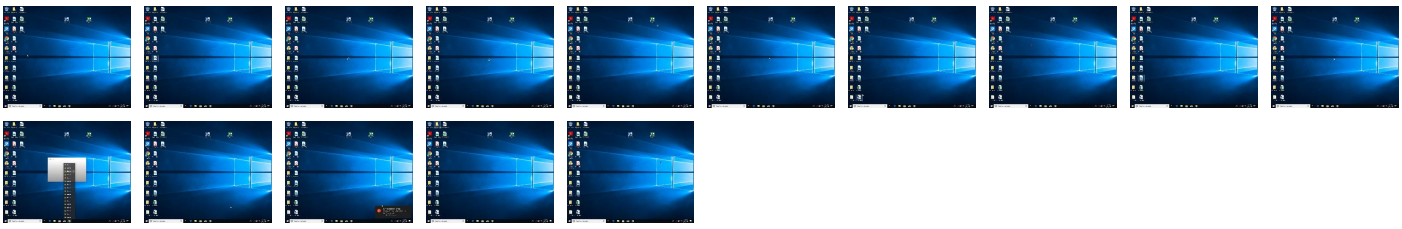
Behavior Graph



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
DHL AWB - 5032675620 _SEPTEMBER 2021.exe	22%	ReversingLabs	ByteCode-MSIL.Trojan.SnakeKeylogger	

Dropped Files

No Antivirus matches

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
5.2.DHL AWB - 5032675620 _SEPTEMBER 2021.exe.400000.0.unpack	100%	Avira	TR/Spy.Gen8		Download File

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://127.0.0.1:HTTP/1.1	0%	Avira URL Cloud	safe	

Source	Detection	Scanner	Label	Link
http://DynDns.comDynDNS	0%	URL Reputation	safe	
http://www.founder.com.cn/cn/bThe	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.tiro.com	0%	URL Reputation	safe	
http://PolpyH.com	2%	Virustotal		Browse
http://PolpyH.com	0%	Avira URL Cloud	safe	
http://www.goodfont.co.kr	0%	URL Reputation	safe	
http://www.fontbureau.coma	0%	URL Reputation	safe	
http://www.carterandcone.coml	0%	URL Reputation	safe	
http://www.sajatypeworks.com	0%	URL Reputation	safe	
http://www.typography.netD	0%	URL Reputation	safe	
http://www.founder.com.cn/cn/cThe	0%	URL Reputation	safe	
http://www.galapagosdesign.com/staff/dennis.htm	0%	URL Reputation	safe	
http://fontfabrik.com	0%	URL Reputation	safe	
http://www.founder.com.cn/cn	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/	0%	URL Reputation	safe	
http://www.galapagosdesign.com/DPlease	0%	URL Reputation	safe	
http://https://api.ipify.org%GETMozilla/5.0	0%	URL Reputation	safe	
http://www.sandoll.co.kr	0%	URL Reputation	safe	
http://www.tiro.comi	0%	Avira URL Cloud	safe	
http://www.urwpp.deDPlease	0%	URL Reputation	safe	
http://www.zhongyicts.com.cn	0%	URL Reputation	safe	
http://www.sakkal.com	0%	URL Reputation	safe	
http://https://api.ipify.org%	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	

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:	483724
Start date:	15.09.2021
Start time:	12:15:13
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 8m 56s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	DHL AWB - 5032675620 _SEPTEMBER 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
Number of analysed new started processes analysed:	20
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:	mal100.troj.spyw.evad.winEXE@3/1@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 0% (good quality ratio 0%) • Quality average: 100% • Quality standard deviation: 0%
HCA Information:	• Successful, ratio: 100% • 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
12:16:44	API Interceptor	718x Sleep call for process: DHL AWB - 5032675620 _SEPTEMBER 2021.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\DHL AWB - 5032675620 _SEPTEMBER 2021.exe.log

Process:	C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe
File Type:	ASCII text, with CRLF line terminators
Category:	dropped
Size (bytes):	1216
Entropy (8bit):	5.355304211458859

C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\DHL AWB - 5032675620 _SEPTEMBER 2021.exe.log	
Encrypted:	false
SSDEEP:	24:MLUE4K5E4Ks2E1qE4qXKDE4KhK3VZ9pKhPKIE4oKFKHKoZAE4Kzr7FE4x84j:MIHK5HKXE1qHiYHKhQnoPtHoxHhAHKzr
MD5:	FED34146BF2F2FA59DCF8702FCC8232E
SHA1:	B03BFEA175989D989850CF06FE5E7BBF56EAA00A
SHA-256:	123BE4E3590609A008E85501243AF5BC53FA0C26C82A92881B8879524F8C0D5C
SHA-512:	1CC89F2ED1DBD70628FA1DC41A32BA0BFA3E81EAE1A1CF3C5F6A48F2DA0BF1F21A5001B8A18B04043C5B8FE4FBE663068D86AA8C4BD8E17933F75687C3178F F6
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\4f0a7eefa3cd3e0ba98b5ebddbbc72e6\System.ni.dll",0..2,"System.Drawing, Version=4.0.0.0, 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\f1d8480152e0da9a60ad49c6d16a3b6d\System.Core.ni.dll",0..3,"System.Configuration, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\8d67d92724ba494b6c7fd089d6f25b48\System.Configuration.ni.dll",0..3,"System.Xml, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\b219d4630d26b88041b59c21

Static File Info

General

File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
Entropy (8bit):	7.482062528543043
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% • Win16/32 Executable Delphi generic (2074/23) 0.01% • Generic Win/DOS Executable (2004/3) 0.01%
File name:	DHL AWB - 5032675620 _SEPTEMBER 2021.exe
File size:	721920
MD5:	d96d6c6caef758178386d9e0fc47b21a
SHA1:	8d90376c829099fc4e551d36e691b53b9a48a0cd
SHA256:	bd2b1d4a42425cd431ced38103c95651b9112a20ecb967640e1d79a83b051096
SHA512:	fcda56cdb75404292d257ecb9885f914f1024706feb2b6d1195ff7802b614d0bb96a0e85d1617424cb15824e08106244e4236e5db2fc2388d2e99be727f86d44
SSDEEP:	12288:aWWHCM2K4CEl/yzQs2TaIpIDW7HpnMk7CFnc7R6um8Cg8RZe+DFI:aK3CRMIpIDWlMef7fV8re+xl
File Content Preview:	MZ.....@.....!..L.!This program cannot be run in DOS mode....$.....PE..L.....Aa.....0.....n..... .....@.. .....`.....@.....

File Icon

Icon Hash:	f1f0f4d0eecccc71

Static PE Info

General

Entrypoint:	0x4ab286
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:	0x61419282 [Wed Sep 15 06:28:18 2021 UTC]
TLS Callbacks:	

General

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	0xa928c	0xa9400	False	0.827673502123	data	7.55147580735	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.rsrc	0xac000	0x6b78	0x6c00	False	0.442527488426	data	5.09070609963	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.reloc	0xb4000	0xc	0x200	False	0.044921875	data	0.101910425663	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: DHL AWB - 5032675620 _SEPTEMBER 2021.exe PID: 5996 Parent PID: 3908

General

Start time:	12:16:32
Start date:	15/09/2021

Path:	C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe'
Imagebase:	0xb40000
File size:	721920 bytes
MD5 hash:	D96D6C6CAEF758178386D9E0FC47B21A
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Yara matches:	• Rule: JoeSecurity_AntiVM_3, Description: Yara detected AntiVM_3, Source: 00000000.00000002.384708060.0000000002EB2000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000000.00000002.387513631.0000000003EA9000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000000.00000002.387513631.0000000003EA9000.00000004.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities Show Windows behavior

File Created

File Written

File Read

Analysis Process: DHL AWB - 5032675620 _SEPTEMBER 2021.exe PID: 6552 Parent PID: 5996

General

Start time:	12:16:45
Start date:	15/09/2021
Path:	C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe
Wow64 process (32bit):	true
Commandline:	C:\Users\user\Desktop\DHL AWB - 5032675620 _SEPTEMBER 2021.exe
Imagebase:	0xa10000
File size:	721920 bytes
MD5 hash:	D96D6C6CAEF758178386D9E0FC47B21A
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: 00000005.00000002.625722721.0000000002EC2000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000005.00000002.622420916.0000000000402000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000005.00000002.622420916.0000000000402000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000005.00000002.625103449.0000000002E11000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 00000005.00000002.625103449.0000000002E11000.00000004.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities Show Windows behavior

File Created

File Read

Disassembly

Code Analysis