

JOESandbox Cloud BASIC



**ID:** 528756

**Sample Name:**

8XMlaeHQXZ.exe

**Cookbook:** default.jbs

**Time:** 18:35:37

**Date:** 25/11/2021

**Version:** 34.0.0 Boulder Opal

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# Windows Analysis Report 8XMlaeHQXZ.exe

## Overview

### General Information

Sample Name:	8XMlaeHQXZ.exe
Analysis ID:	528756
MD5:	5643bf734d793e8.
SHA1:	4415ad682fd64ba.
SHA256:	db79e0c2243229..
Tags:	exe RedLineStealer
Infos:	
Most interesting Screenshot:	

### Detection

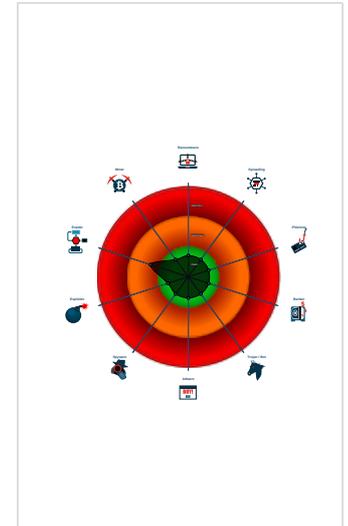
MALICIOUS  
SUSPICIOUS  
CLEAN  
UNKNOWN

Score:	56
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

### Signatures

- Multi AV Scanner detection for subm...
- PE file has nameless sections
- Machine Learning detection for samp...
- Uses 32bit PE files
- AV process strings found (often use...
- PE file does not import any functions
- Sample file is different than original ...
- One or more processes crash
- PE file contains an invalid checksum
- Checks if the current process is bein...
- PE file contains sections with non-s...
- Binary contains a suspicious time st...
- PE file overlay found

### Classification



## Process Tree

- System is w10x64
- 8XMlaeHQXZ.exe (PID: 5856 cmdline: "C:\Users\user\Desktop\8XMlaeHQXZ.exe" MD5: 5643BF734D793E845166A228F3DF83B3)
  - WerFault.exe (PID: 1916 cmdline: C:\Windows\SysWOW64\WerFault.exe -u -p 5856 -s 212 MD5: 9E2B8ACAD48ECCA55C0230D63623661B)
- cleanup

## Malware Configuration

No configs have been found

## Yara Overview

No yara matches

## Sigma Overview

No Sigma rule has matched

## Jbx Signature Overview

Click to jump to signature section

### AV Detection:



System Summary:

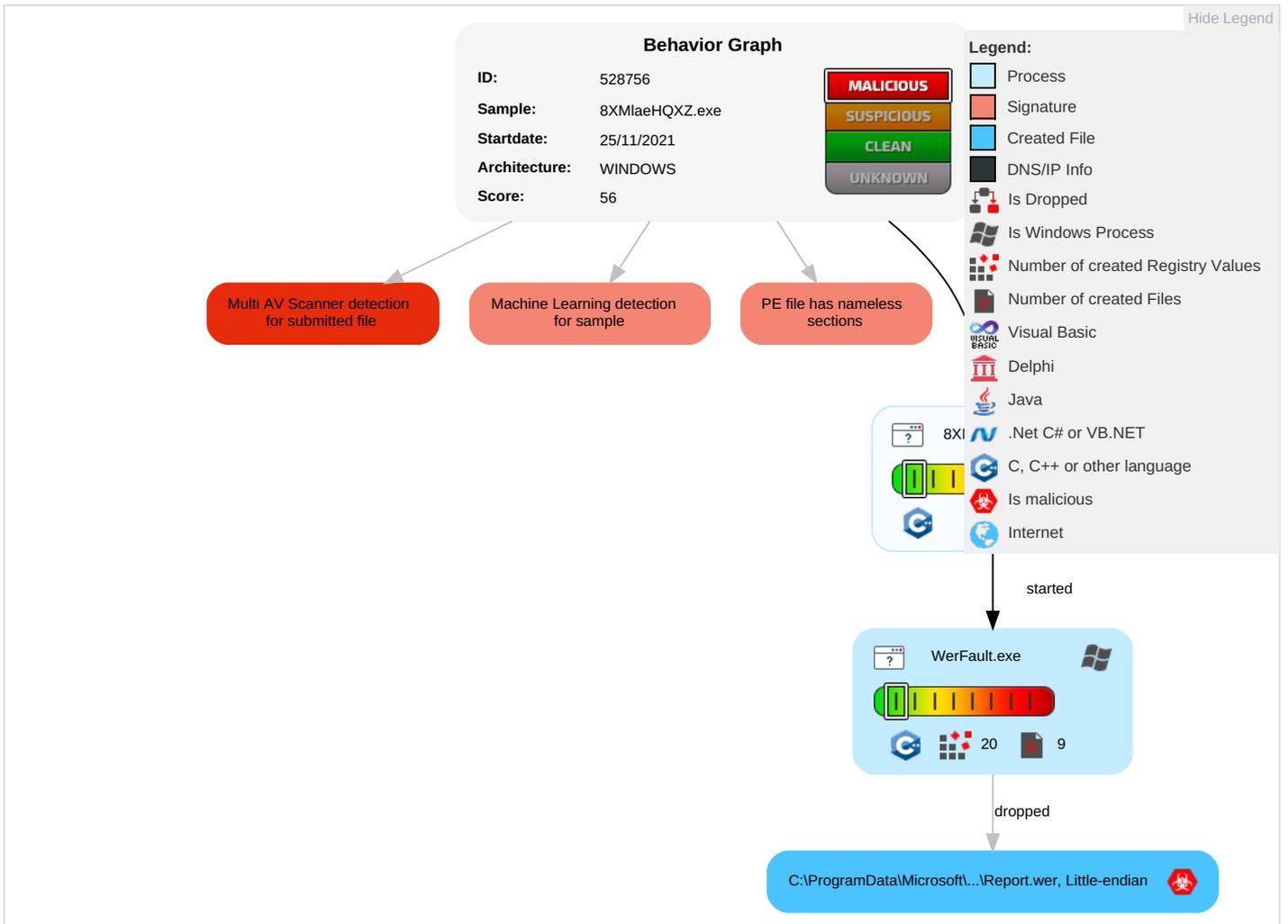


PE file has nameless sections

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Reputation
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1	OS Credential Dumping	Security Software Discovery 2 1	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	Eavesdrop on Insecure Network Communication	Reputation
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Software Packing 2	LSASS Memory	Virtualization/Sandbox Evasion 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS	Reputation
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Process Injection 1	Security Account Manager	System Information Discovery 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location	OS Detection
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Timestomp 1	NTDS	Remote System Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	OS Detection
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Obfuscated Files or Information 1	LSA Secrets	Remote System Discovery	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulate Device Communication	OS Detection

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
8XMlaeHQXZ.exe	21%	Virustotal		<a href="#">Browse</a>
8XMlaeHQXZ.exe	100%	Joe Sandbox ML		

### 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

### URLs from Memory and Binaries

### Contacted IPs

No contacted IP infos

## General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	528756
Start date:	25.11.2021
Start time:	18:35:37
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 6s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	8XMlaeHQXZ.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:	10
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:	mal56.winEXE@2/6@0/0
EGA Information:	Failed
HDC Information:	<ul style="list-style-type: none"><li>• Successful, ratio: 100% (good quality ratio 100%)</li><li>• Quality average: 68.5%</li><li>• Quality standard deviation: 31.5%</li></ul>
HCA Information:	<ul style="list-style-type: none"><li>• Successful, ratio: 100%</li><li>• Number of executed functions: 0</li><li>• Number of non-executed functions: 0</li></ul>
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></ul>
Warnings:	Show All

## Simulations

### Behavior and APIs

Time	Type	Description
18:36:56	API Interceptor	1x Sleep call for process: WerFault.exe modified



C:\ProgramData\Microsoft\Windows\WER\Temp\WERA26E.tmp.dmp

Preview: MDMP.....CH.a.....4.....<.....d.....T.....8.....T.....>.....\.....H.....U.....B.....GenuineIn telW.....T.....?Ha.....0.2.....P.a.c.i.f.i.c..S.t.a.n.d.a.r.d..T.i.m.e.....P.a.c.i.f.i.c..D.a.y.l.i.g.h.t..T.i.m.e..... 1.7.1.3.4...1...x.8.6.f.r.e...r.s.4...\_r.e.l.e.a.s.e...1.8.0.4.1.0.-1.8.0.4.....

C:\ProgramData\Microsoft\Windows\WER\Temp\WERA4C1.tmp.WERInternalMetadata.xml

Process: C:\Windows\SysWOW64\WerFault.exe
File Type: XML 1.0 document, Little-endian UTF-16 Unicode text, with CRLF line terminators
Category: dropped
Size (bytes): 8288
Entropy (8bit): 3.700842112712281
Encrypted: false
SSDEEP: 192:Rrl7r3GLNip667uu6YJ4SU1NYWgmfsSUFcprt89bc0sf30m:RrlsNik67n6YmSUXYWgmfsSUnconfR
MD5: A3C71DAB0C4F9D3701ABD6C6CC81A96D
SHA1: 0BA7CB3174C504A56862DEDC336CC85FFCBB11BB
SHA-256: 19019B9AFB7627FCC5F5E14896D0A717378133FD8F70EC555E61EA875AE3776
SHA-512: 310C73C7947FA075E92FBE3F7EFF401797FAC80F2DA80BD97978487CB548E94EBD3EE1F7B0B7618BD4874E5318F27480C13F04760808A3571315EF4A21859AD5
Malicious: false
Reputation: low
Preview: ..<?x.m.l..v.e.r.s.i.o.n.="1...0"..e.n.c.o.d.i.n.g.="U.T.F.-1.6."?>.....<W.E.R.R.e.p.o.r.t.M.e.t.a.d.a.t.a.>.....<O.S.V.e.r.s.i.o.n.I.n.f.o.r.m.a.t.i.o.n.>.....<W.i.n.d.o.w.s.N.T.V.e.r.s.i.o.n.>1.0.0.</W.i.n.d.o.w.s.N.T.V.e.r.s.i.o.n.>.....<B.u.i.l.d.>1.7.1.3.4.</B.u.i.l.d.>.....<P.r.o.d.u.c.t.>(0x3.0)::W.i.n.d.o.w.s..1.0..P.r.o.</P.r.o.d.u.c.t.>.....<E.d.i.t.i.o.n.>P.r.o.f.e.s.s.i.o.n.a.l.</E.d.i.t.i.o.n.>.....<B.u.i.l.d.S.t.r.i.n.g.>1.7.1.3.4...1...a.m.d.6.4.f.r.e...r.s.4...\_r.e.l.e.a.s.e...1.8.0.4.1.0.-1.8.0.4.</B.u.i.l.d.S.t.r.i.n.g.>.....<R.e.v.i.s.i.o.n.>1.</R.e.v.i.s.i.o.n.>.....<F.l.a.v.o.r.>M.u.l.t.i.p.r.o.c.e.s.s.o.r..F.r.e.e.</F.l.a.v.o.r.>.....<A.r.c.h.i.t.e.c.t.u.r.e.>X.6.4.</A.r.c.h.i.t.e.c.t.u.r.e.>.....<L.C.I.D.>1.0.3.3.</L.C.I.D.>.....</O.S.V.e.r.s.i.o.n.I.n.f.o.r.m.a.t.i.o.n.>.....<P.r.o.c.e.s.s.I.n.f.o.r.m.a.t.i.o.n.>.....<P.i.d.>5.8.5.6.</P.i.d.>.....

C:\ProgramData\Microsoft\Windows\WER\Temp\WERA752.tmp.xml

Process: C:\Windows\SysWOW64\WerFault.exe
File Type: XML 1.0 document, ASCII text, with CRLF line terminators
Category: dropped
Size (bytes): 4632
Entropy (8bit): 4.46810111754898
Encrypted: false
SSDEEP: 48:cvlwSD8zscJgtWI97TWSC8Bm38fm8M4J2dmHaZFY++q8D6IEWHS4SESSd:ulTfchYiSNxJsbkWHmvSd
MD5: C0B7BE8F43E5D5B07E98B12FA8494262
SHA1: C78D3DEA05DD8103994984A5FECB8E5626192716
SHA-256: 02908B5D7336F9E557EC47019B70EF5740D187E93DCA31C492CC71FDE16B0354
SHA-512: 6915CE1139F4E254EA532F1A39A95E0B68FAE9DD16D9EC749B9ABB6C0E2570E69A380C1F90991D79D5D26F39D945A501A88C62A68190BD2728895827C6A01F
Malicious: false
Reputation: low
Preview: <?xml version="1.0" encoding="UTF-8" standalone="yes"?>..<req ver="2">..<tlm>..<src>..<desc>..<mach>..<os>..<arg nm="vermaj" val="10" />..<arg nm="vermin" val="0" />..<arg nm="verbld" val="17134" />..<arg nm="vercsdbld" val="1" />..<arg nm="verqfe" val="1" />..<arg nm="csdbld" val="1" />..<arg nm="versp" val="0" />..<arg nm="arch" val="9" />..<arg nm="lcid" val="1033" />..<arg nm="geoid" val="244" />..<arg nm="sku" val="48" />..<arg nm="domain" val="0" />..<arg nm="prodsuite" val="256" />..<arg nm="ntprodtype" val="1" />..<arg nm="platid" val="2" />..<arg nm="tmsi" val="1270787" />..<arg nm="osinsty" val="1" />..<arg nm="iever" val="11.1.17134.0-11.0.47" />..<arg nm="portos" val="0" />..<arg nm="ram" val="4096" />..

C:\Windows\appcompat\Programs\Amcache.hve

Process: C:\Windows\SysWOW64\WerFault.exe
File Type: MS Windows registry file, NT/2000 or above
Category: dropped
Size (bytes): 1572864
Entropy (8bit): 4.215835067795784
Encrypted: false
SSDEEP: 12288:0FLQX1Dz7+fmKMJLZgp291NAz3WkZPmFrSWvj2cxF73CBkHecoDoG:uLQX1Dz7+fDMJLzaj7y
MD5: C6F4263BA9B026736FAFE1454B900AC8
SHA1: E206BC1022C6D5BF29CDC25CE3E060ADC9E67450
SHA-256: 3FE7B9A7B93C2E9125195071E903486106877B841531F455BBBE59C635DF13D6
SHA-512: 211C9D8F752BEF48F56F6CFEE5C8D9AF384653CD295E7C43C7C4E0410FF92A0E7FD53D317255D0EB2C55E72917D1316C75410391D10F38E5EFD5799B29C4AC1
Malicious: false
Reputation: low
Preview: regfV...V...p.l.....\A.p.p.C.o.m.p.a.t.\P.r.o.g.r.a.m.s.\A.m.c.a.c.h.e...h.v.e...4.....E.4.....E....5.....E.r.m.t.m...v.n.....

<b>C:\Windows\lppcompat\Programs\Amcache.hve.LOG1</b>	
Process:	C:\Windows\SysWOW64\WerFault.exe
File Type:	MS Windows registry file, NT/2000 or above
Category:	dropped
Size (bytes):	20480
Entropy (8bit):	3.4657596273367517
Encrypted:	false
SSDEEP:	384:JBD5VLIpnc8WTVgGNKDFUXfmndwK57rSaNtK:79tSc80VgGc4XOniKFnt
MD5:	AF4CE95146E6AA70B7395E57B882ACB0
SHA1:	9322A9F42AEDEAAA1AEA50F48619446FD0018B61
SHA-256:	A5F3E7009D4247F12856AE76688E8888A6B2C1371961074EAD2C88DEAEED7AE5
SHA-512:	05C140B6F25DD902576594907FB8C852A1E0704D271F0F2B1F6B9294577A91233530B38D4843E7436DCBF8728C1E367694044840FCE935B3F7C0E2FB1567BF42
Malicious:	false
Reputation:	low
Preview:	regfU...U...p.l.....\A.p.p.C.o.m.p.a.t.\P.r.o.g.r.a.m.s.\A.m.c.a.c.h.e...h.v.e...4.....E.4.....E.....5.....E.rmtm...vn..... .....+HvLE.N.....U.....A..D..`2.....`...hbin.....p.l.....nk,??vn.....&...{ad79c032-a2ea-f756-e377- 72fb9332c3ae}.....nk.??vn.....Z.....Root.....lf.....Root...nk.??vn.....}......*......DeviceCensus..... .....vk.....WritePermissionsCheck.....p...

## Static File Info

<b>General</b>	
File type:	PE32 executable (GUI) Intel 80386, for MS Windows
Entropy (8bit):	7.9827946846106395
TrID:	<ul style="list-style-type: none"> <li>Win32 Executable (generic) a (10002005/4) 99.94%</li> <li>Win16/32 Executable Delphi generic (2074/23) 0.02%</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:	8XMIaeHqXZ.exe
File size:	178783
MD5:	5643bf734d793e845166a228f3df83b3
SHA1:	4415ad682fd64baedf5c209bc0c2a3b619cf03e2
SHA256:	db79e0c2243229f8ba6a52deede597287b93801aa182af2f278542f31fb3324
SHA512:	f144347f7f636e64d2373a3f72a65c17534cc3692939ab6dfa071ddb2ec204801271440597ad327897638b032e1e3cfb3de4c23a4f5f1fdc293e1feca0fb433e
SSDEEP:	3072:ZZTL5fTrvJNV/8aac42iA/ZFDqLQN3N2GvshHDiR Cxc9Vlale6fWmPCuRE3B2:ZZJrvJY1szqLQNgASGEc PleVhP430
File Content Preview:	MZ.....@.....!..L!Th is program cannot be run in DOS mode...\$.PE.L..... .....0.....@.....`@...!.. .....

## File Icon

	
Icon Hash:	00828e8e8686b000

## Static PE Info

<b>General</b>	
Entrypoint:	0x402000
Entrypoint Section:	
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	32BIT_MACHINE, EXECUTABLE_IMAGE
DLL Characteristics:	TERMINAL_SERVER_AWARE

## General

Time Stamp:	0xFBDADAB2 [Sun Nov 25 08:54:10 2103 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:	

## Entrypoint Preview

## Data Directories

## Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
	0x2000	0x1a000	0x8e00	False	1.00057768486	data	7.99485148323	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
	0x1c000	0x2000	0x400	False	1.0107421875	data	7.80837604511	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
	0x1e000	0x2000	0x200	False	0.81640625	data	6.18655348449	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
	0x20000	0x4000	0x600	False	1.00716145833	data	7.87119921588	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
	0x24000	0x2000	0x200	False	1.021484375	data	7.59715435366	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x26000	0x2000	0xa00	False	0.305859375	data	3.58730721769	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
	0x28000	0x28a000	0x0	unknown	unknown	unknown	unknown	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
	0x2b2000	0x106000	0x104c00	False	1.00037704324	data	7.99861729183	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.m8o02uE	0x3b8000	0x4c000	0x4a600	False	0	empty	0.0	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.adata	0x404000	0x2000	0x0	False	0	empty	0.0	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ

## Resources

## 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

### Behavior



Click to jump to process

## System Behavior

Analysis Process: 8XMlaeHQXZ.exe PID: 5856 Parent PID: 2248

### General

Start time:	18:36:47
Start date:	25/11/2021
Path:	C:\Users\user\Desktop\8XMlaeHQXZ.exe
Wow64 process (32bit):	true
Commandline:	"C:\Users\user\Desktop\8XMlaeHQXZ.exe"
Imagebase:	0x400000
File size:	178783 bytes
MD5 hash:	5643BF734D793E845166A228F3DF83B3
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	low

Analysis Process: WerFault.exe PID: 1916 Parent PID: 5856

### General

Start time:	18:36:49
Start date:	25/11/2021
Path:	C:\Windows\SysWOW64\WerFault.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\SysWOW64\WerFault.exe -u -p 5856 -s 212
Imagebase:	0xd10000
File size:	434592 bytes
MD5 hash:	9E2B8ACAD48ECCA55C0230D63623661B
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

### File Activities

Show Windows behavior

### File Created

File Deleted

File Written

Registry Activities

Show Windows behavior

Key Created

Key Value Created

**Disassembly**

**Code Analysis**