JoeSandbox Cloud BASIC

ID: 434896
Sample Name:
uWDCUIgE95.exe
Cookbook: default.jbs
Time: 16:18:41
Date: 15/06/2021
Version: 32.0.0 Black Diamond

Table of Contents

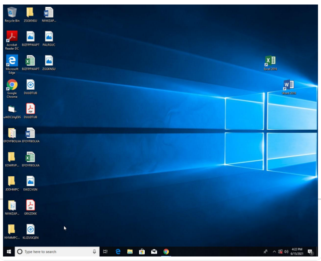
Windows Analysis Report uWDCUIgE95.exe

Overview

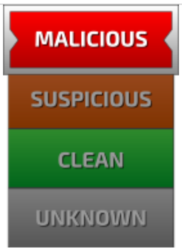
General Information

Sample Name:	uWDCUIgE95.exe
Analysis ID:	434896
MD5:	e6c676ea92d72d..
SHA1:	c52fc4b841927fd..
SHA256:	4a201ce6a20668..
Tags:	exe GuLoader
Infos:	

Most interesting Screenshot:



Detection



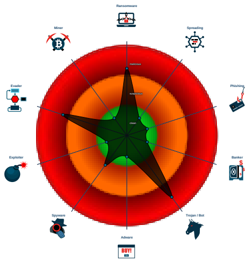
GuLoader

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

Signatures

- Antivirus / Scanner detection for sub…
- Found malware configuration
- Multi AV Scanner detection for subm…
- Potential malicious icon found
- Yara detected GuLoader
- Yara detected GuLoader
- C2 URLs / IPs found in malware con…
- Found potential dummy code loops (…
- Tries to detect virtualization through…
- Abnormal high CPU Usage
- Creates a DirectInput object (often fo…
- Detected potential crypto function

Classification



Process Tree

- **System is w10x64**
- uWDCUIgE95.exe (PID: 2268 cmdline: 'C:\Users\user\Desktop\uWDCUIgE95.exe' MD5: E6C676EA92D72DA7F2D79F8AFC468CF5)
- **cleanup**

Malware Configuration

Threatname: GuLoader

```
{
  "Payload URL": "http://theater.expodium.net/wp-content/plugins/m/Host_AvQmpG228.bin, https://meatflesh.com/b/Host_AvQmpG228.bin"
}
```

Yara Overview

Initial Sample

Source	Rule	Description	Author	Strings
uWDCUIgE95.exe	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Memory Dumps

Source	Rule	Description	Author	Strings
00000001.00000002.592043082.0000000000401000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
00000001.00000000.229326880.0000000000401000.00000020.00020000.sdmp	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
00000001.00000002.592412428.00000000021F0000.00000040.00000001.sdmp	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	

Unpacked PEs

Source	Rule	Description	Author	Strings
1.0.uWDCUIgE95.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	
1.2.uWDCUIgE95.exe.400000.0.unpack	JoeSecurity_GuLoader_1	Yara detected GuLoader	Joe Security	

Sigma Overview

No Sigma rule has matched

Signature Overview

Click to jump to signature section

AV Detection:

Antivirus / Scanner detection for submitted sample

Found malware configuration

Multi AV Scanner detection for submitted file

Networking:

C2 URLs / IPs found in malware configuration

System Summary:

Potential malicious icon found

Data Obfuscation:

Yara detected GuLoader

Yara detected GuLoader

Malware Analysis System Evasion:

Tries to detect virtualization through RDTSC time measurements

Anti Debugging:

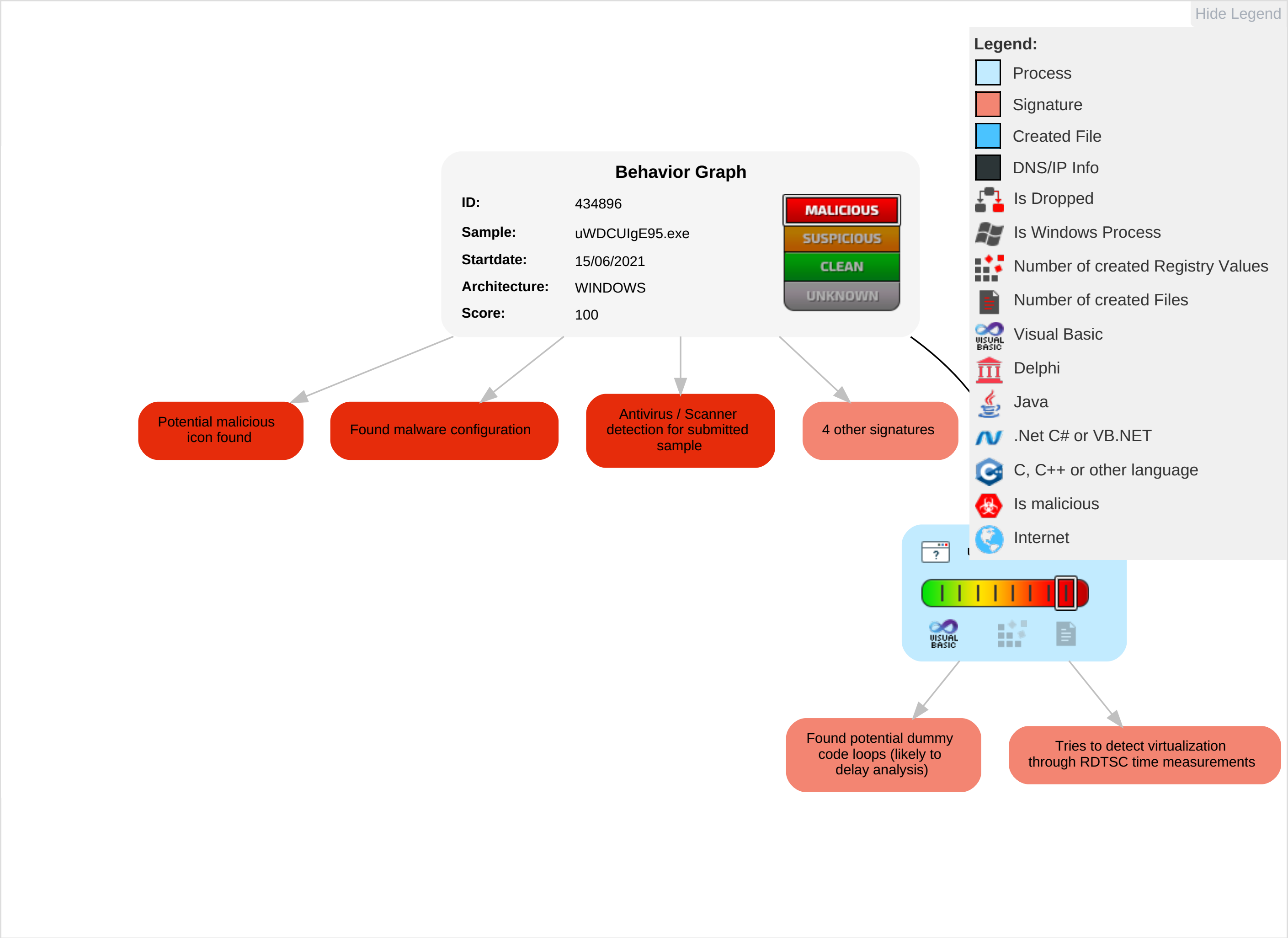
Found potential dummy code loops (likely to delay analysis)

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	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	Application Layer Protocol 1	Exploit SS7 to Redirect Phone Calls/SMS	Re W W Au

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Re Se Ef
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Obfuscated 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)	Binary Padding	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

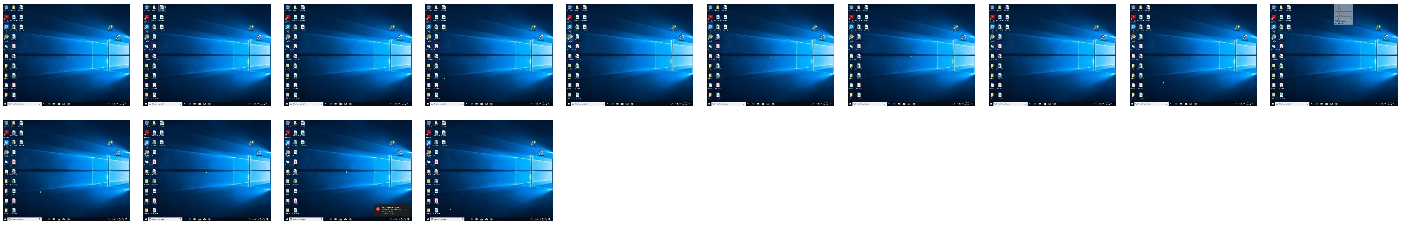
ID:	434896
Sample:	uWDCUIgE95.exe
Startdate:	15/06/2021
Architecture:	WINDOWS
Score:	100

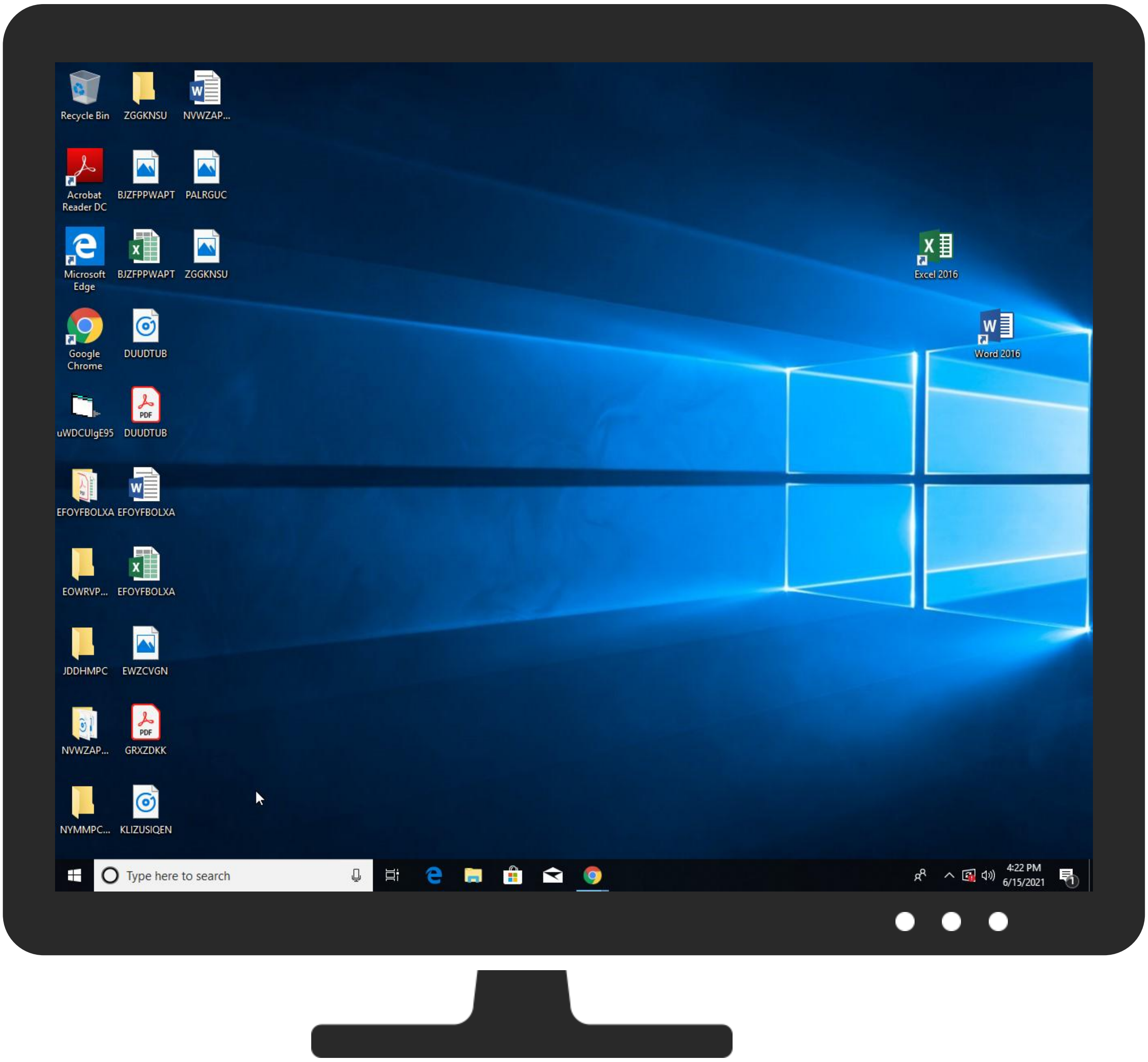
MALICIOUS
SUSPICIOUS
CLEAN
UNKNOWN
Potential malicious icon found
Found malware configuration
Antivirus / Scanner detection for submitted sample
4 other signatures
Found potential dummy code loops (likely to delay analysis)
Tries to detect virtualization through RDTSC time measurements

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
uWDCUIgE95.exe	24%	ReversingLabs	Win32.Trojan.Graftor	
uWDCUIgE95.exe	100%	Avira	HEUR/AGEN.1134908	

Dropped Files

No Antivirus matches

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
1.0.uWDCUIgE95.exe.400000.0.unpack	100%	Avira	HEUR/AGEN.1134908		Download File
1.2.uWDCUIgE95.exe.400000.0.unpack	100%	Avira	HEUR/AGEN.1134908		Download File

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:	32.0.0 Black Diamond
Analysis ID:	434896
Start date:	15.06.2021
Start time:	16:18:41
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 58s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	uWDCUIgE95.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:	22
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.rans.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 16.9% (good quality ratio 3.7%) • Quality average: 9.8% • Quality standard deviation: 19.4%
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

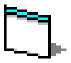
No created / dropped files found

Static File Info

General

File type:	PE32 executable (GUI) Intel 80386, for MS Windows
Entropy (8bit):	5.799875335012054
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:	uWDCUIgE95.exe
File size:	147456
MD5:	e6c676ea92d72da7f2d79f8afc468cf5
SHA1:	c52fc4b841927fd73fc018f81c72845e225ad5e7
SHA256:	4a201ce6a206689701654f28999eed6731499cf7702b484 cfdacd42d64e739a3
SHA512:	fcebe10be9a14f209159d98cd31c3446739ce95fe5398ce a6c404b3f50c99a21b2ed34bcf18764724c471a28933da8 e22e6e506873e8cab150c69e9d9b7666a8
SSDEEP:	1536:mgnyQJZHxyp7dwLPEG2TAl/HPqSd46+R1rp0gh L0tET5uMCwPeY4CNQ3:Fy88d6PEZSvqO46wp0ghaE T+wPiz
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...idfU........... ....0............... ....@................

File Icon



Icon Hash:	20047c7c70f0e004

Static PE Info

General

Entrypoint:	0x4018a4
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	LOCAL_SYMS_STRIPPED, 32BIT_MACHINE, EXECUTABLE_IMAGE, LINE_NUMS_STRIPPED, RELOCS_STRIPPED
DLL Characteristics:	
Time Stamp:	0x55666469 [Thu May 28 00:42:17 2015 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:	2c08d8f9644132654eb702b279083d5c

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x20a0c	0x21000	False	0.382043087121	data	6.05770286858	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x22000	0x1278	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x24000	0x938	0x1000	False	0.16943359375	data	1.99495940529	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: uWDCUIgE95.exe PID: 2268 Parent PID: 5572

General

Start time:	16:19:32
Start date:	15/06/2021
Path:	C:\Users\user\Desktop\uWDCUIgE95.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\uWDCUIgE95.exe'
Imagebase:	0x400000
File size:	147456 bytes
MD5 hash:	E6C676EA92D72DA7F2D79F8AFC468CF5
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	• Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000001.00000002.592043082.0000000000401000.00000020.00020000.sdmp, Author: Joe Security • Rule: JoeSecurity_GuLoader_1, Description: Yara detected GuLoader, Source: 00000001.00000000.229326880.0000000000401000.00000020.00020000.sdmp, Author: Joe Security • Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000001.00000002.592412428.00000000021F0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

Disassembly

Code Analysis