JoeSandbox Cloud BASIC

ID: 527918
Sample Name: FACTURAS.exe
Cookbook: default.jbs
Time: 15:29:30
Date: 24/11/2021
Version: 34.0.0 Boulder Opal

Table of Contents

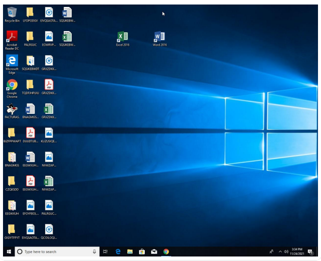
Windows Analysis Report FACTURAS.exe

Overview

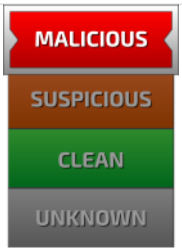
General Information

Sample Name:	FACTURAS.exe
Analysis ID:	527918
MD5:	ab63f9ba38d9eb4.
SHA1:	bf1c2a15553f893..
SHA256:	5d14499fc44a623.
Tags:	exe guloader
Infos:	

Most interesting Screenshot:



Detection



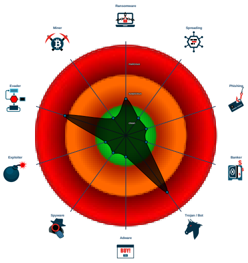
GuLoader

Score:	72
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Found malware configuration
- Multi AV Scanner detection for subm…
- Yara detected GuLoader
- Found potential dummy code loops (…
- C2 URLs / IPs found in malware con…
- Uses 32bit PE files
- Contains functionality to call native f…
- Sample file is different than original …
- Contains functionality to read the PEB
- Program does not show much activi…
- Uses code obfuscation techniques (…
- Contains functionality for execution …
- Abnormal high CPU Usage
- Detected potential crypto function

Classification



Process Tree

- **System is w10x64**
- FACTURAS.exe (PID: 6568 cmdline: "C:\Users\user\Desktop\FACTURAS.exe" MD5: AB63F9BA38D9EB4F8BD57AE56A844A31)
- **cleanup**

Malware Configuration

Threatname: GuLoader

```
{
  "Payload URL": "https://drive.google.com/uc?export=download&id="
}
```

Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.820204862.00000000020D0000.00000040.00000001.sdmp	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	

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

Networking:

C2 URLs / IPs found in malware configuration

Data Obfuscation:

Yara detected GuLoader

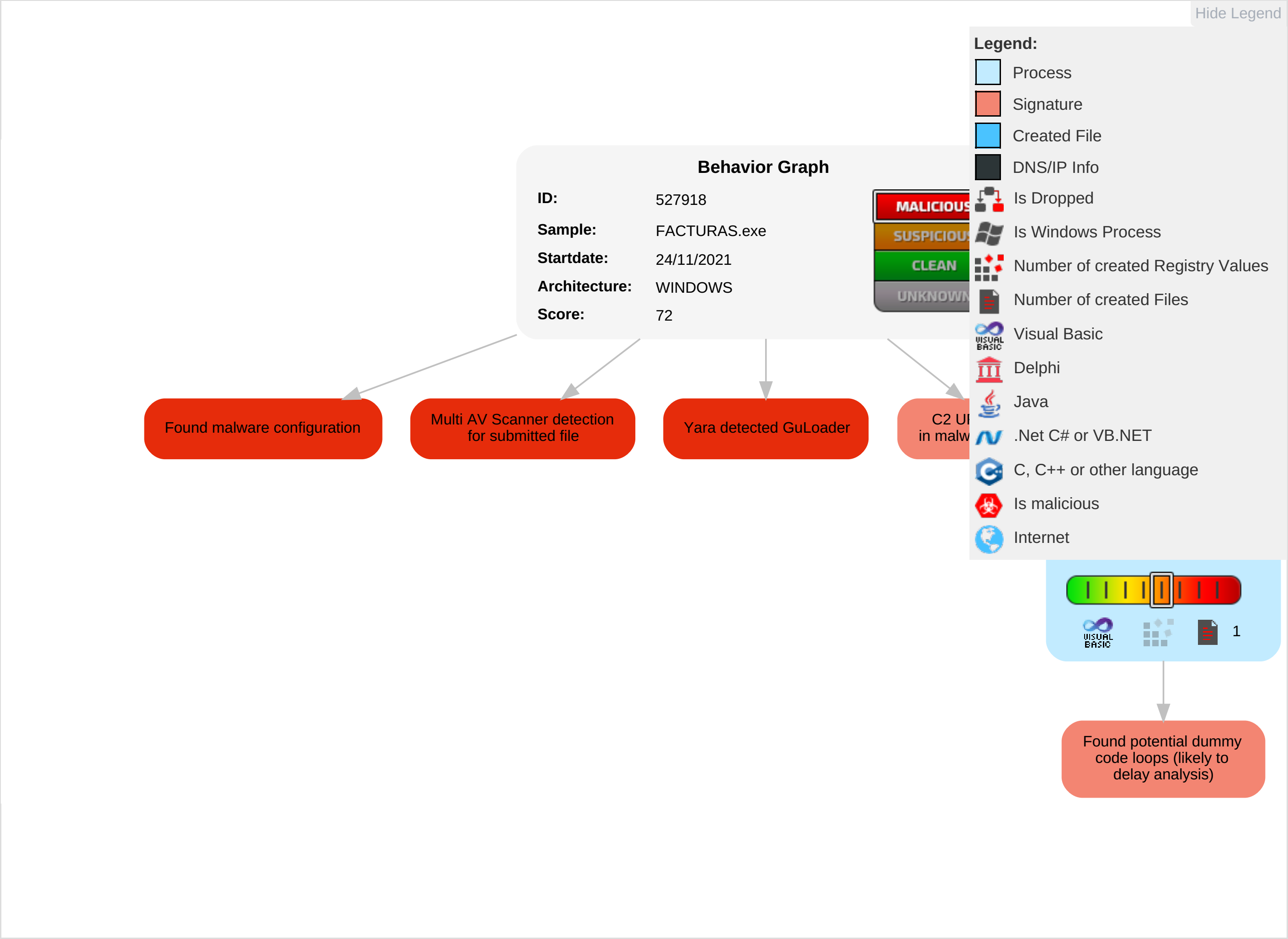
Anti Debugging:

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	R S E
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1 1	OS Credential Dumping	Security Software Discovery 1 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Encrypted Channel 1	Eavesdrop on Insecure Network Communication	R T W A
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	Data from Removable Media	Exfiltration Over Bluetooth	Application Layer Protocol 1	Exploit SS7 to Redirect Phone Calls/SMS	R W W A
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	O D C B
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Binary Padding	NTDS	System Information Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	

Behavior Graph



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: 527918

Sample: FACTURAS.exe

Startdate: 24/11/2021

Architecture: WINDOWS

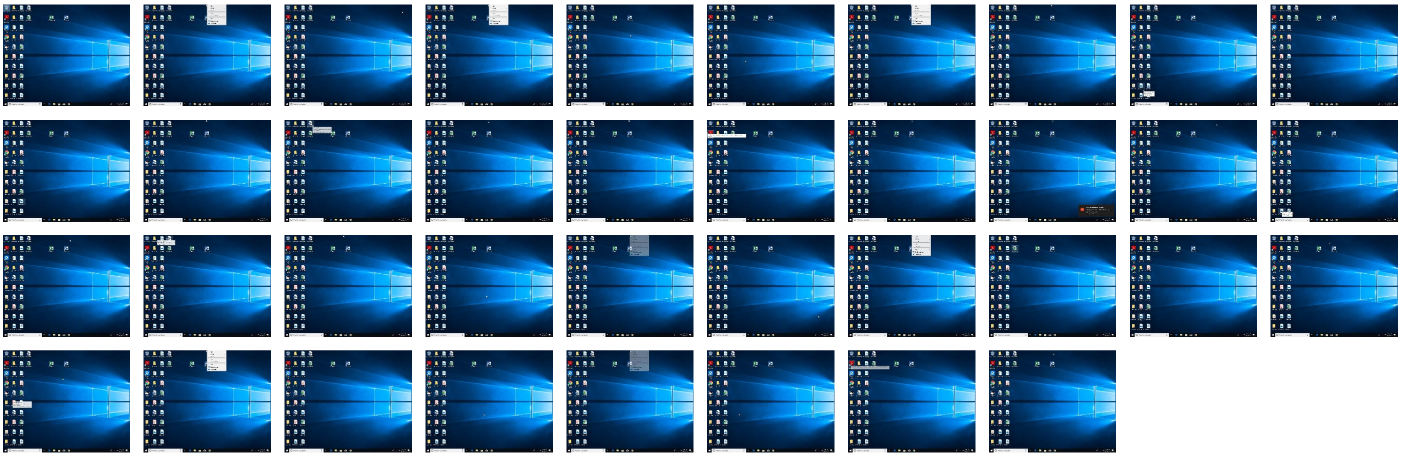
Score: 72

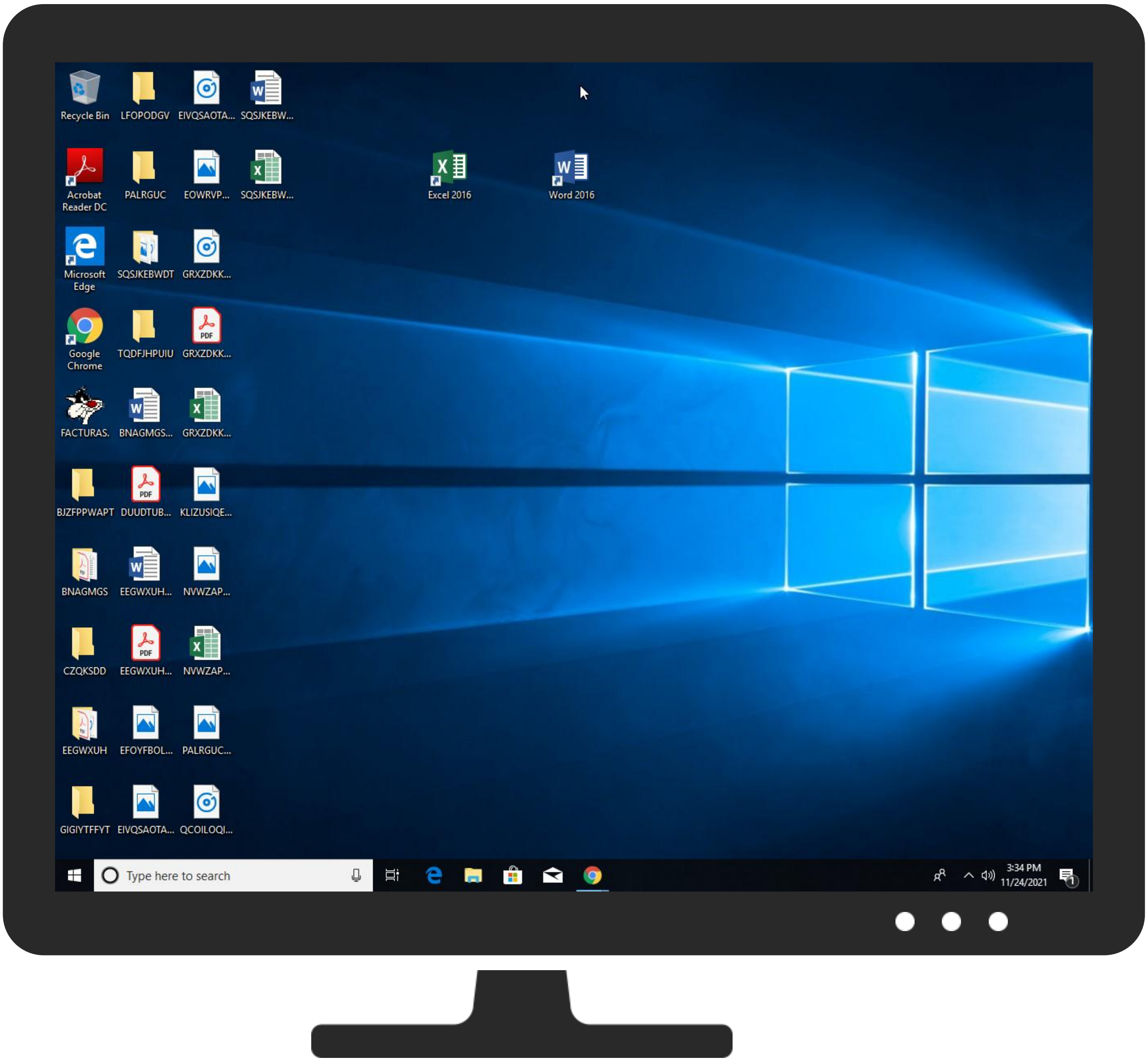
MALICIOUS
SUSPICIOUS
CLEAN
UNKNOWN
Found malware configuration
Multi AV Scanner detection for submitted file
Yara detected GuLoader
C2 UR
in malw
VISUAL BASIC
1
Found potential dummy code loops (likely to delay analysis)

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
FACTURAS.exe	16%	ReversingLabs	Win32.Downloader.GuLoader	

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

Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	34.0.0 Boulder Opal
Analysis ID:	527918
Start date:	24.11.2021
Start time:	15:29:30
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 41s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	FACTURAS.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:	16
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:	mal72.troj.evad.winEXE@1/1@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 2.3% (good quality ratio 1.4%) • Quality average: 30.1% • Quality standard deviation: 28.4%
HCA Information:	• Successful, ratio: 53% • 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 • 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

C:\Users\user\AppData\Local\Temp\~DF26AA5308F7227456.TMP

Process:	C:\Users\user\Desktop\FACTURAS.exe
File Type:	Composite Document File V2 Document, Cannot read section info
Category:	dropped
Size (bytes):	16384
Entropy (8bit):	0.9277305547216628
Encrypted:	false
SSDEEP:	48:rJSq2Upu8metqPrIXHimU7zdvP1vncU7pCr8P:VSKUpACLFcUVCrG
MD5:	19809EDD1FF00A1D7C105BC58A97CD02
SHA1:	26FB6D339CF2A7474DE6F785166163FA9B2ADBB1
SHA-256:	4745D04A4BB99D70866D722394D9E71F3FAE597AA84E229A1E3B40F31521594C
SHA-512:	434722936006B56B042FB5C72CAB98D8B7615A5A0E48EE6746DD6839BE029029E3BCECF7EFA49DDC8A9DB016FA472FB9EE1CE75126C13E06D66EAA12166A387
Malicious:	false
Reputation:	low
Preview:	......................>.. ....

Static File Info

General

File type:	PE32 executable (GUI) Intel 80386, for MS Windows
Entropy (8bit):	4.736694563648511
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:	FACTURAS.exe
File size:	135168
MD5:	ab63f9ba38d9eb4f8bd57ae56a844a31
SHA1:	bf1c2a15553f893ff180a307dcb5805c6e440158

General

SHA256:	5d14499fc44a623454a0518972ba97be883b0394f16f08b4265e46ff12ebfeb3
SHA512:	a8a0d1040432cffc40aaaee619a28703c731b9f3c809db6d915521424a3b4394f3ed46c37c9d7cdd2903d2c8aa33cb9ce87b50acc79de30aa4fbc80b6b264f36
SSDEEP:	1536:t7Do180f9y+zVLdUAcAyB/BMsZWU1/7nYp4r1O/pejim0SD:t7gZz7RcAy/Vkm7nYCr1Omim0S
File Content Preview:	MZ......................@...!..L.!This program cannot be run in DOS mode....$........i.......................*..............Rich....................PE..L...#..K.....................0....................@........

File Icon

Icon Hash:	981dca909cee36b0

Static PE Info

General

Entrypoint:	0x4013b4
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:	0x4BCC8F23 [Mon Apr 19 17:13:07 2010 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:	d77040f4614bccfda7b8aa2e04863738

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x1d10c	0x1e000	False	0.344938151042	data	4.91647345609	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x1f000	0x141c	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x21000	0xf40	0x1000	False	0.337158203125	data	3.27489444604	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

Language of compilation system	Country where language is spoken	Map
English	United States	
Turkmen	Turkmenistan	

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: FACTURAS.exe PID: 6568 Parent PID: 5712

General

Start time:	15:30:30
Start date:	24/11/2021
Path:	C:\Users\user\Desktop\FACTURAS.exe
Wow64 process (32bit):	true
Commandline:	"C:\Users\user\Desktop\FACTURAS.exe"
Imagebase:	0x400000
File size:	135168 bytes
MD5 hash:	AB63F9BA38D9EB4F8BD57AE56A844A31
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	• Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000000.00000002.820204862.00000000020D0000.00000040.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis