

JOeSandbox Cloud BASIC



**ID:** 433075

**Sample Name:** eCooEFZfZJ.exe

**Cookbook:** default.jbs

**Time:** 08:53:11

**Date:** 11/06/2021

**Version:** 32.0.0 Black Diamond



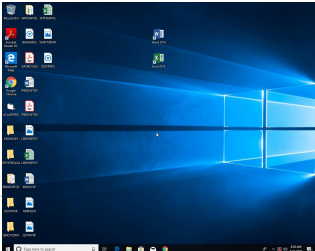
## Table of Contents

Table of Contents	2
Analysis Report eCooEFZfZJ.exe	3
Overview	3
General Information	3
Detection	3
Signatures	3
Classification	3
Process Tree	3
Malware Configuration	3
Threatname: GuLoader	3
Yara Overview	3
Memory Dumps	3
Sigma Overview	3
Signature Overview	3
AV Detection:	4
Networking:	4
System Summary:	4
Data Obfuscation:	4
Malware Analysis System Evasion:	4
Anti Debugging:	4
Mitre Att&ck Matrix	4
Behavior Graph	4
Screenshots	5
Thumbnails	5
Antivirus, Machine Learning and Genetic Malware Detection	6
Initial Sample	6
Dropped Files	6
Unpacked PE Files	6
Domains	6
URLs	6
Domains and IPs	7
Contacted Domains	7
Contacted URLs	7
Contacted IPs	7
General Information	7
Simulations	7
Behavior and APIs	7
Joe Sandbox View / Context	8
IPs	8
Domains	8
ASN	8
JA3 Fingerprints	8
Dropped Files	8
Created / dropped Files	8
Static File Info	8
General	8
File Icon	8
Static PE Info	9
General	9
Entrypoint Preview	9
Data Directories	9
Sections	9
Resources	9
Imports	9
Version Infos	9
Possible Origin	9
Network Behavior	9
Code Manipulations	9
Statistics	10
System Behavior	10
Analysis Process: eCooEFZfZJ.exe PID: 5600 Parent PID: 5728	10
General	10
Disassembly	10
Code Analysis	10

# Analysis Report eCooEFZfZJ.exe

## Overview

### General Information

Sample Name:	eCooEFZfZJ.exe
Analysis ID:	433075
MD5:	2db978e7cd2512...
SHA1:	22736d8d3ffe0e7..
SHA256:	9ec05fd611c2df6..
Tags:	<b>exe</b> <b>GuLoader</b>
Infos:	 
Most interesting Screenshot:	
	

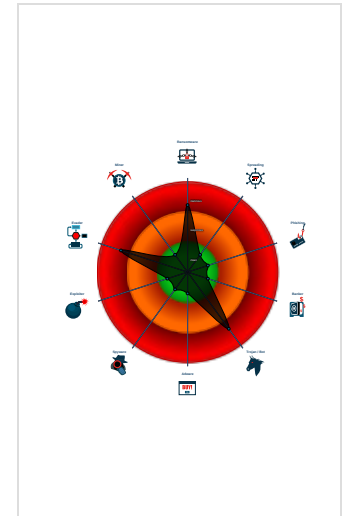
### Detection

<div><div>MALICIOUS</div><div>SUSPICIOUS</div><div>CLEAN</div><div>UNKNOWN</div></div>	
<div><div>GuLoader</div></div>	
Score:	88
Range:	0 - 100
Whitelisted:	false
Confidence:	100%


### Signatures

Found malware configuration
Multi AV Scanner detection for subm...
Potential malicious icon found
Yara detected GuLoader
C2 URLs / IPs found in malware con...
Contains functionality to detect hard...
Found potential dummy code loops (...)
Tries to detect virtualization through...
Abnormal high CPU Usage
Contains functionality for execution ...
Contains functionality to call native f...
Contains functionality to read the PEB

### Classification



## Process Tree

- System is w10x64
-  eCooEFZfZJ.exe (PID: 5600 cmdline: 'C:\Users\user\Desktop\leCooEFZfZJ.exe' MD5: 2DB978E7CD2512C358518B1981FEE079)
- cleanup

## Malware Configuration

### Threatname: GuLoader

```
{
  "Payload URL": "https://bara-seck.com/bin_sLFaSDyCig163.bin, http://benvenuti.rs/wp-content/bin_s"
}
```

## Yara Overview

### Memory Dumps

Source	Rule	Description	Author	Strings
00000000.00000002.755211123.00000000021B 0000.00000040.00000001.sdmp	JoeSecurity_GuLoader_2	Yara detected GuLoader	Joe Security	

## Sigma Overview

No Sigma rule has matched

## Signature Overview

## AV Detection:



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

## Malware Analysis System Evasion:



Contains functionality to detect hardware virtualization (CPUID execution measurement)

Tries to detect virtualization through RDTSC time measurements

## Anti Debugging:

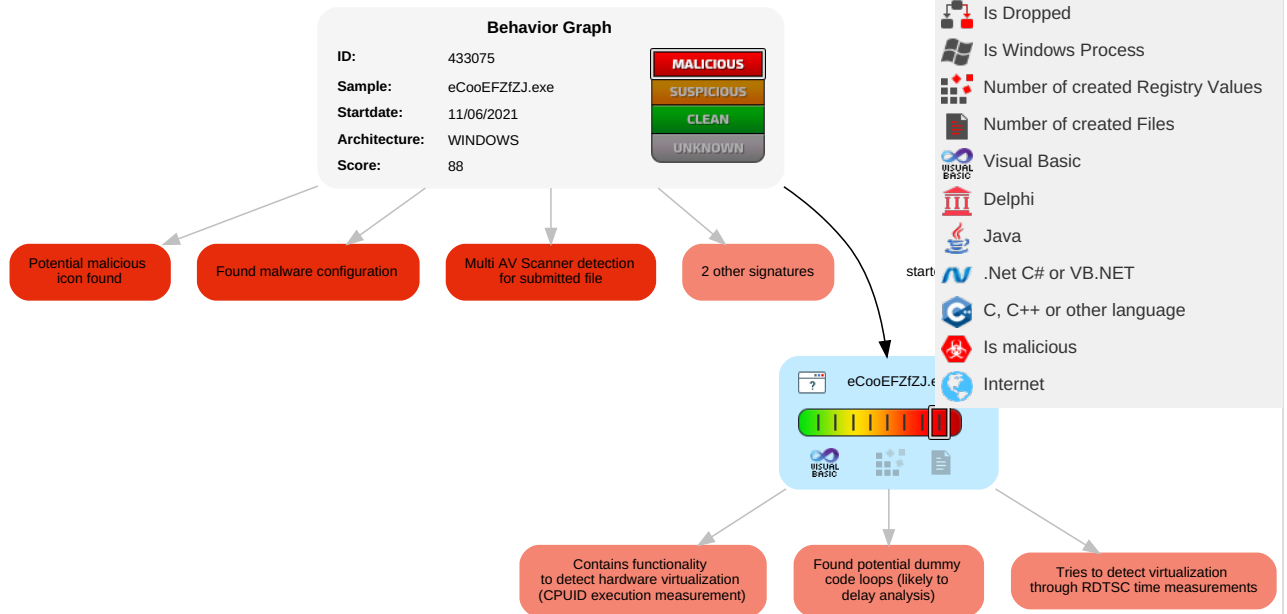


Found potential dummy code loops (likely to delay analysis)

## Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Recovery
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1 1	OS Credential Dumping	System Time Discovery 1	Remote Services	Archive Collected Data 1	Exfiltration Over Other Network Medium	Encrypted Channel 1	Eavesdrop on Insecure Network Communication	Recovery
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Process Injection 1	LSASS Memory	Security Software Discovery 3 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Application Layer Protocol 1	Exploit SS7 to Redirect Phone Calls/SMS	Recovery
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Obfuscated Files or Information 1	Security Account Manager	Virtualization/Sandbox Evasion 1 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location	Recovery
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Binary Padding	NTDS	Process Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	Recovery
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Software Packing	LSA Secrets	System Information Discovery 2 2	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulate Device Communication	Recovery

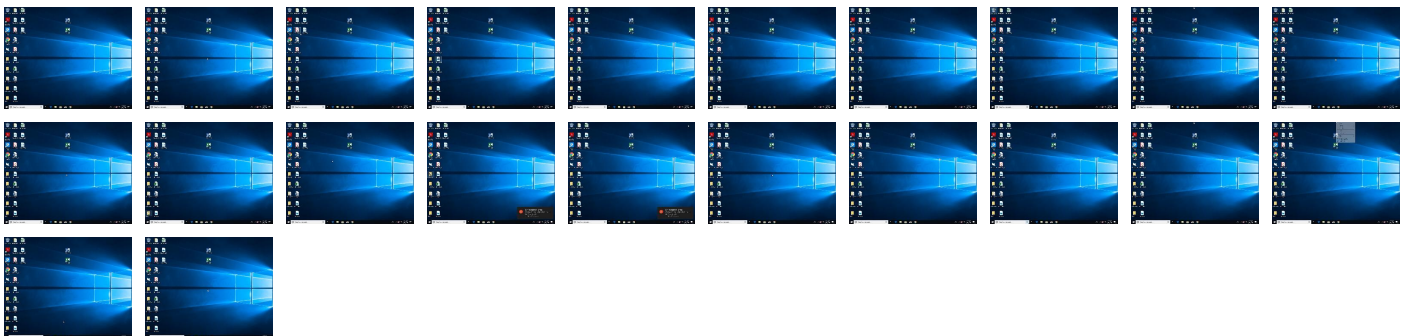
## Behavior Graph



## 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
eCooEFZfZJ.exe	16%	Virustotal		<a href="#">Browse</a>

### Dropped Files

No Antivirus matches

### Unpacked PE Files

No Antivirus matches

### Domains

No Antivirus matches

### URLs

Source	Detection	Scanner	Label	Link
<a href="http://https://bara-seck.com/bin_sLFaSDyCig163.bin, benvenuti.rs/wp-content/bin_s">http://https://bara-seck.com/bin_sLFaSDyCig163.bin, benvenuti.rs/wp-content/bin_s</a>	0%	Avira URL Cloud	safe	

## Domains and IPs

### Contacted Domains

No contacted domains info

### Contacted URLs

Name	Malicious	Antivirus Detection	Reputation
http://https://bara-seck.com/bin_sLFaSDyCig163.bin, benvenuti.rs/wp-content/bin_s	true	<ul style="list-style-type: none"><li>Avira URL Cloud: safe</li></ul>	unknown

### Contacted IPs

No contacted IP infos

## General Information

Joe Sandbox Version:	32.0.0 Black Diamond
Analysis ID:	433075
Start date:	11.06.2021
Start time:	08:53:11
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 44s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	eCooEFZfZJ.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:	25
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:	mal88.rans.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	<ul style="list-style-type: none"><li>Successful, ratio: 6.9% (good quality ratio 0.9%)</li><li>Quality average: 7%</li><li>Quality standard deviation: 20%</li></ul>
HCA Information:	<ul style="list-style-type: none"><li>Successful, ratio: 56%</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><li>Override analysis time to 240s for sample files taking high CPU consumption</li></ul>
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):	5.829117662846915
TrID:	<ul style="list-style-type: none"><li>Win32 Executable (generic) a (10002005/4) 99.15%</li><li>Win32 Executable Microsoft Visual Basic 6 (82127/2) 0.81%</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:	eCooEFZfZJ.exe
File size:	196608
MD5:	2db978e7cd2512c358518b1981fee079
SHA1:	22736d8d3ffe0e79cfdc0c08187bdae652d3a23c
SHA256:	9ec05fd611c2df63c12cc15df8e87e411f358b7a6747a44d4a320c01e3367ca8
SHA512:	5997658234b2c8a07838610c82085838b02bc9b548b6fb22414bf278b0cd23643336346ebf4cc654c230dc36f90397750e199574ad090f30e496db6a4fd8540f
SSDEEP:	1536:WNwYHz6OVtodLOhD0rd7NOG9jwvEJdx+hE+1nvK+LDWiYmGPeR2pB/uA0sicOnyQ:cH6OVt2LvdPjNjiv1CKWY8p4ALiPl5Z
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....N.Z..... .....0.....0.....@.....

### File Icon



	
Icon Hash:	20047c7c70f0e004

### Static PE Info

#### General

Entrypoint:	0x401f30
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:	0x5A004E93 [Mon Nov 6 11:59:15 2017 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:	51114cc98630aad2088aa48f6e7a2e19

#### Entrypoint Preview

#### Data Directories

#### Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x2c16c	0x2d000	False	0.311729600694	data	6.01771014226	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x2e000	0x12ac	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x30000	0x950	0x1000	False	0.172119140625	data	2.02186622034	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: eCooEFzfZJ.exe PID: 5600 Parent PID: 5728

### General

Start time:	08:54:00
Start date:	11/06/2021
Path:	C:\Users\user\Desktop\leCooEFzfZJ.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\leCooEFzfZJ.exe'
Imagebase:	0x400000
File size:	196608 bytes
MD5 hash:	2DB978E7CD2512C358518B1981FEE079
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Yara matches:	<ul style="list-style-type: none"><li>Rule: JoeSecurity_GuLoader_2, Description: Yara detected GuLoader, Source: 00000000.00000002.755211123.00000000021B0000.00000040.00000001.sdmp, Author: Joe Security</li></ul>
Reputation:	low

## Disassembly

### Code Analysis