



ID: 430639
Sample Name: pansy.exe
Cookbook: default.jbs
Time: 17:57:43
Date: 07/06/2021
Version: 32.0.0 Black Diamond

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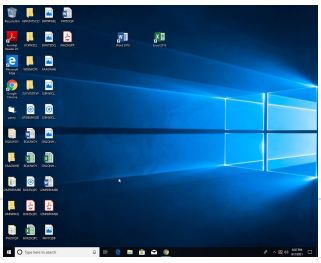
Analysis Report pansy.exe

Overview

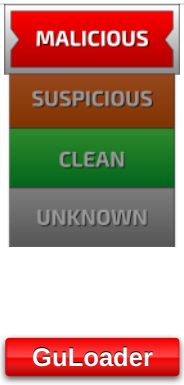
General Information

Sample Name:	pansy.exe
Analysis ID:	430639
MD5:	be5a85f85d01125.
SHA1:	72a8f524a3b449b.
SHA256:	057144f38e786ee.
Tags:	exe GuLoader
Infos:	

Most interesting Screenshot:



Detection



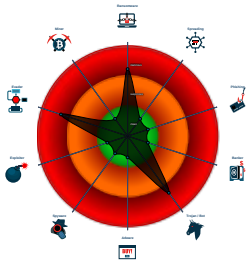
GuLoader

Score:	80
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Found malware configuration
- Potential malicious icon found
- Yara detected GuLoader
- C2 URLs / IPs found in malware con…
- Detected RDTSC dummy instruction…
- Found potential dummy code loops (…
- Tries to detect virtualization through…
- Abnormal high CPU Usage
- PE file contains strange resources
- Program does not show much activi…
- Sample file is different than original …
- Uses 32bit PE files

Classification



Process Tree

- **System is w10x64**
- pansy.exe (PID: 7068 cmdline: 'C:\Users\user\Desktop\pansy.exe' MD5: BE5A85F85D011252E63CAB4566239280)
- **cleanup**

Malware Configuration

Threatname: GuLoader

```
{
  "Payload URL": "https://drive.google.com/uc?export=download&id=1k6joaGLkNYxFw0lOjR395hYutsonOF5Q"
}
```

Yara Overview

Initial Sample

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

Sigma Overview

No Sigma rule has matched

Signature Overview

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Click to jump to signature section

AV Detection:



Found malware configuration

Networking:



C2 URLs / IPs found in malware configuration

System Summary:



Potential malicious icon found

Data Obfuscation:



Yara detected GuLoader

Malware Analysis System Evasion:



Detected RDTSC dummy instruction sequence (likely for instruction hammering)

Tries to detect virtualization through RDTSC time measurements

Anti Debugging:

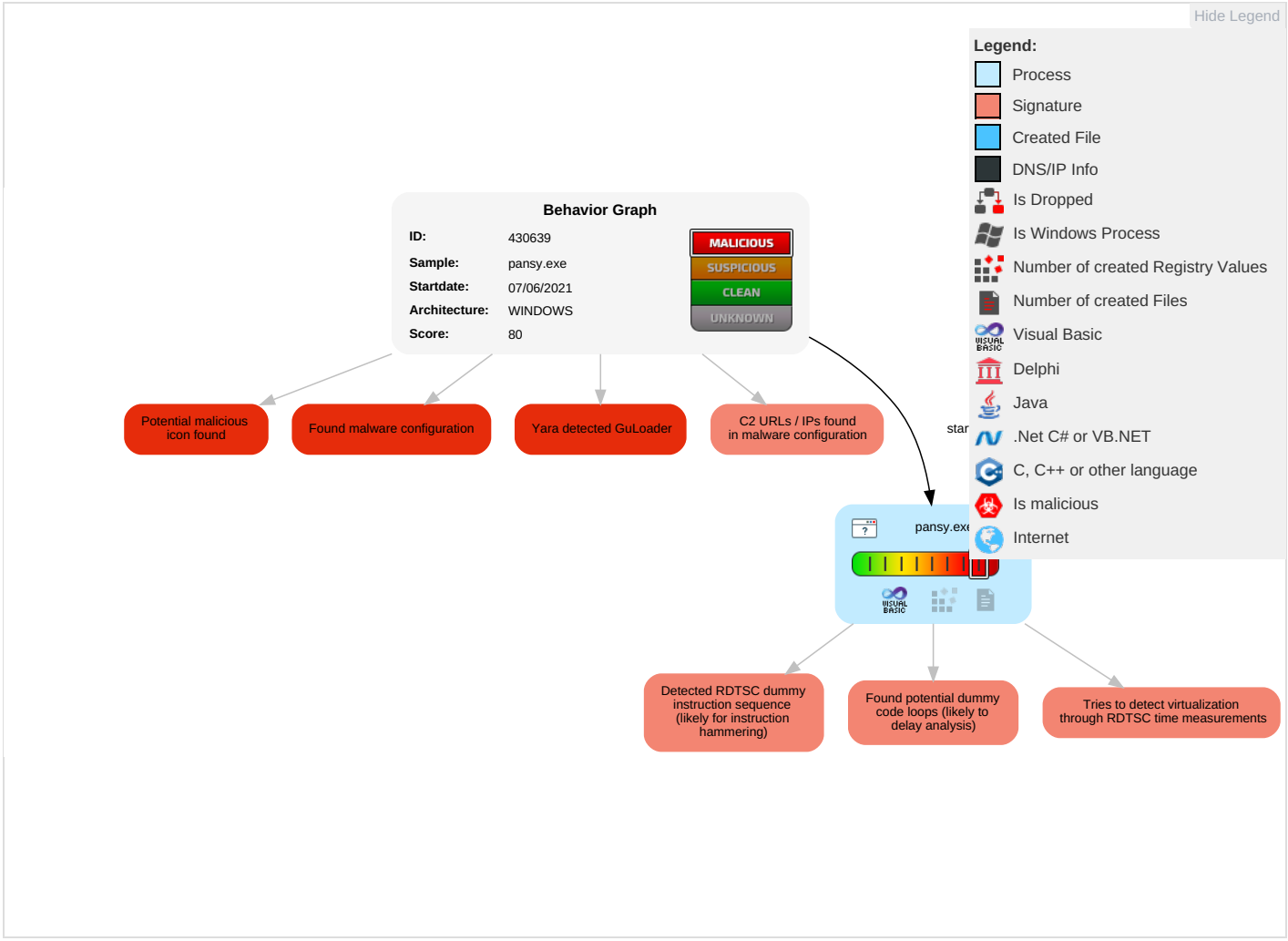


Found potential dummy code loops (likely to delay analysis)

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	R S E
Valid Accounts	Windows Management Instrumentation	Path Interception	Process Injection 1	Virtualization/Sandbox Evasion 1 1	OS Credential Dumping	Security Software Discovery 3	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Application Layer Protocol 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	Junk Data	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 2 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap	

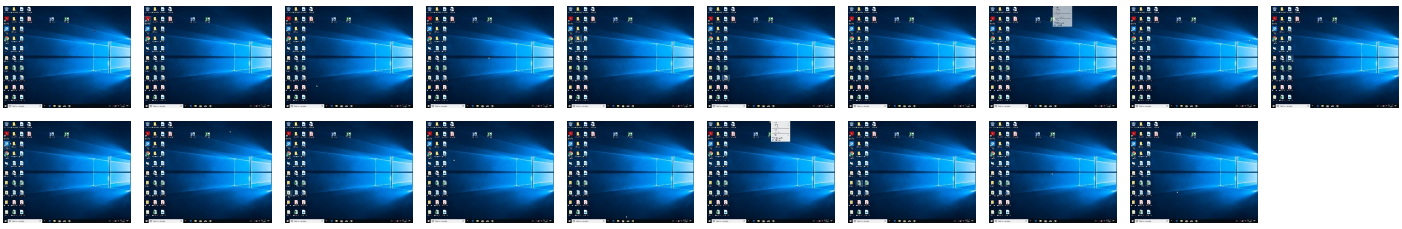
Behavior Graph



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
pansy.exe	9%	ReversingLabs	Win32.Trojan.Mucc	

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

No Antivirus matches

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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:	430639
Start date:	07.06.2021
Start time:	17:57:43
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 7m 3s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	pansy.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:	14
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:	mal80.rans.troj.evad.winEXE@1/0@0/0
EGA Information:	Failed
HDC Information:	• Successful, ratio: 10.3% (good quality ratio 2.1%) • Quality average: 12.6% • Quality standard deviation: 25.2%
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):	4.667078138121212
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:	pansy.exe
File size:	143360
MD5:	be5a85f85d011252e63cab4566239280
SHA1:	72a8f524a3b449b3c459cdfe4a7b6c1c46b0dcdd
SHA256:	057144f38e786ee18295c76f3f06a975fc342358a5d6ba049000ca0fe44e8179
SHA512:	732e41dc029f793c9076904909ad3fe222d127dd47bec875b682dd2a4505be38e76a3b764271ca2930945bf31c0e39f48c42295d703595247c7ba6cac5829b9
SSDEEP:	1536:Q/Qq7xbuNxA3JhkGpwPRRHkOVPVXYstBRQeag24T1f:sYN63cWqRHkOVPVostrQeTJ
File Content Preview:	MZ.....@.....!..L.!This program cannot be run in DOS mode....$.....#...B...B...B..L^...B...`...B...d...B..Rich.B.....PE..L.....`.....0.....@.....

File Icon



Icon Hash:	20047c7c70f0e004

Static PE Info

General	
Entrypoint:	0x4014b8
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:	0x60BE1B8F [Mon Jun 7 13:13:51 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:	b1d5215cf0ff1abab4dacdc311d642d4

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x1000	0x1fffc	0x20000	False	0.330955505371	data	4.91992394666	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.data	0x21000	0x1234	0x1000	False	0.00634765625	data	0.0	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ
.rsrc	0x23000	0x9ec	0x1000	False	0.1806640625	data	2.17086442612	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
Sesotho (Sutu)	South Africa	

Network Behavior

No network behavior found

Code Manipulations

Statistics

System Behavior

Analysis Process: pansy.exe PID: 7068 Parent PID: 5920

General

Start time:	17:58:29
Start date:	07/06/2021
Path:	C:\Users\user\Desktop\pansy.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\pansy.exe'
Imagebase:	0x400000
File size:	143360 bytes
MD5 hash:	BE5A85F85D011252E63CAB4566239280
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	Visual Basic
Reputation:	low

File Activities

Show Windows behavior

Disassembly

Code Analysis

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