
**ID:** 528678
**Sample Name:** Escanear copia001.pdf.r13.exe
**Cookbook:** default.jbs
**Time:** 16:25:12
**Date:** 25/11/2021
**Version:** 34.0.0 Boulder Opal

# Table of Contents

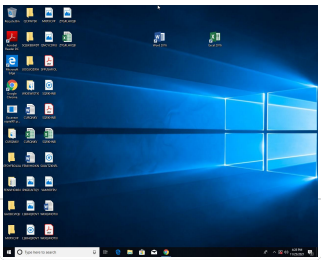
# Windows Analysis Report Escanear copia001.pdf.r13.exe

## Overview

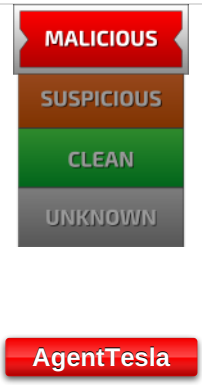
### General Information

| | |
|---|---|
| Sample Name: | Escanear copia001.pdf.r13.exe |
| Analysis ID: | 528678 |
| MD5: | 14de1a4fd7bd475. |
| SHA1: | 1b0b6db87e6cf3b. |
| SHA256: | 1181955b92daca.. |
| Tags: | agenttesla exe |
| Infos: | |

Most interesting Screenshot:



### Detection



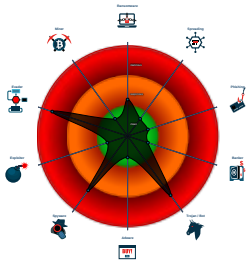

AgentTesla

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

### Signatures

- Found malware configuration
- Yara detected AgentTesla
- Yara detected AntiVM3
- Tries to steal Mail credentials (via fil…
- Initial sample is a PE file and has a …
- Tries to detect sandboxes and other…
- .NET source code contains potentia…
- .NET source code contains very larg…
- Queries sensitive network adapter in…
- Tries to harvest and steal browser in…
- Queries sensitive BIOS Information …
- Uses 32bit PE files

### Classification



## Process Tree

- **System is w10x64**
- Escanear copia001.pdf.r13.exe (PID: 6516 cmdline: "C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe" MD5: 14DE1A4FD7BD475B6456DD4D5482BE8B)
  - Escanear copia001.pdf.r13.exe (PID: 5868 cmdline: C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe MD5: 14DE1A4FD7BD475B6456DD4D5482BE8B)
- **cleanup**

## Malware Configuration

### Threatname: Agenttesla


```
{
  "Exfil Mode": "SMTP",
  "Username": "ugo@bhgautopartes.com",
  "Password": "icui4cu2@@",
  "Host": "mail.bhgautopartes.com"
}
```


## Yara Overview

### Memory Dumps

| Source | Rule | Description | Author | Strings |
|---|---|---|---|---|
| 00000002.00000000.352642161.000000000402000.00000040.00000001.sdmp | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security | |
| 00000002.00000000.352642161.000000000402000.00000040.00000001.sdmp | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security | |
| 00000001.00000002.354610313.000000000319000.00000004.00000001.sdmp | JoeSecurity_AntiVM_3 | Yara detected AntiVM_3 | Joe Security | |
| 00000002.00000002.610196279.000000000402000.00000040.00000001.sdmp | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security | |
| 00000002.00000002.610196279.000000000402000.00000040.00000001.sdmp | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security | |

Click to see the 15 entries

## Unpacked PEs

| Source | Rule | Description | Author | Strings |
|---|---|---|---|---|
| 2.2.Escanear copia001.pdf.r13.exe.400000.0.unpack | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security | |
| 2.2.Escanear copia001.pdf.r13.exe.400000.0.unpack | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security | |
| 1.2.Escanear copia001.pdf.r13.exe.31f8fa4.1.raw.unpack | JoeSecurity_AntiVM_3 | Yara detected AntiVM_3 | Joe Security | |
| 1.2.Escanear copia001.pdf.r13.exe.42c1e08.3.unpack | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security | |
| 1.2.Escanear copia001.pdf.r13.exe.42c1e08.3.unpack | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security | |
| Click to see the 17 entries | | | | |

# Sigma Overview

**No Sigma rule has matched**

# Jbx Signature Overview

Click to jump to signature section

## AV Detection:

**Found malware configuration**

## System Summary:

**Initial sample is a PE file and has a suspicious name**

**.NET source code contains very large array initializations**

## Data Obfuscation:

**.NET source code contains potential unpacker**

## Malware Analysis System Evasion:

**Yara detected AntiVM3**

**Tries to detect sandboxes and other dynamic analysis tools (process name or module or function)**

**Queries sensitive network adapter information (via WMI, Win32_NetworkAdapter, often done to detect virtual machines)**

**Queries sensitive BIOS Information (via WMI, Win32_Bios & Win32_BaseBoard, often done to detect virtual machines)**

## Stealing of Sensitive Information:

**Yara detected AgentTesla**

**Tries to steal Mail credentials (via file / registry access)**

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

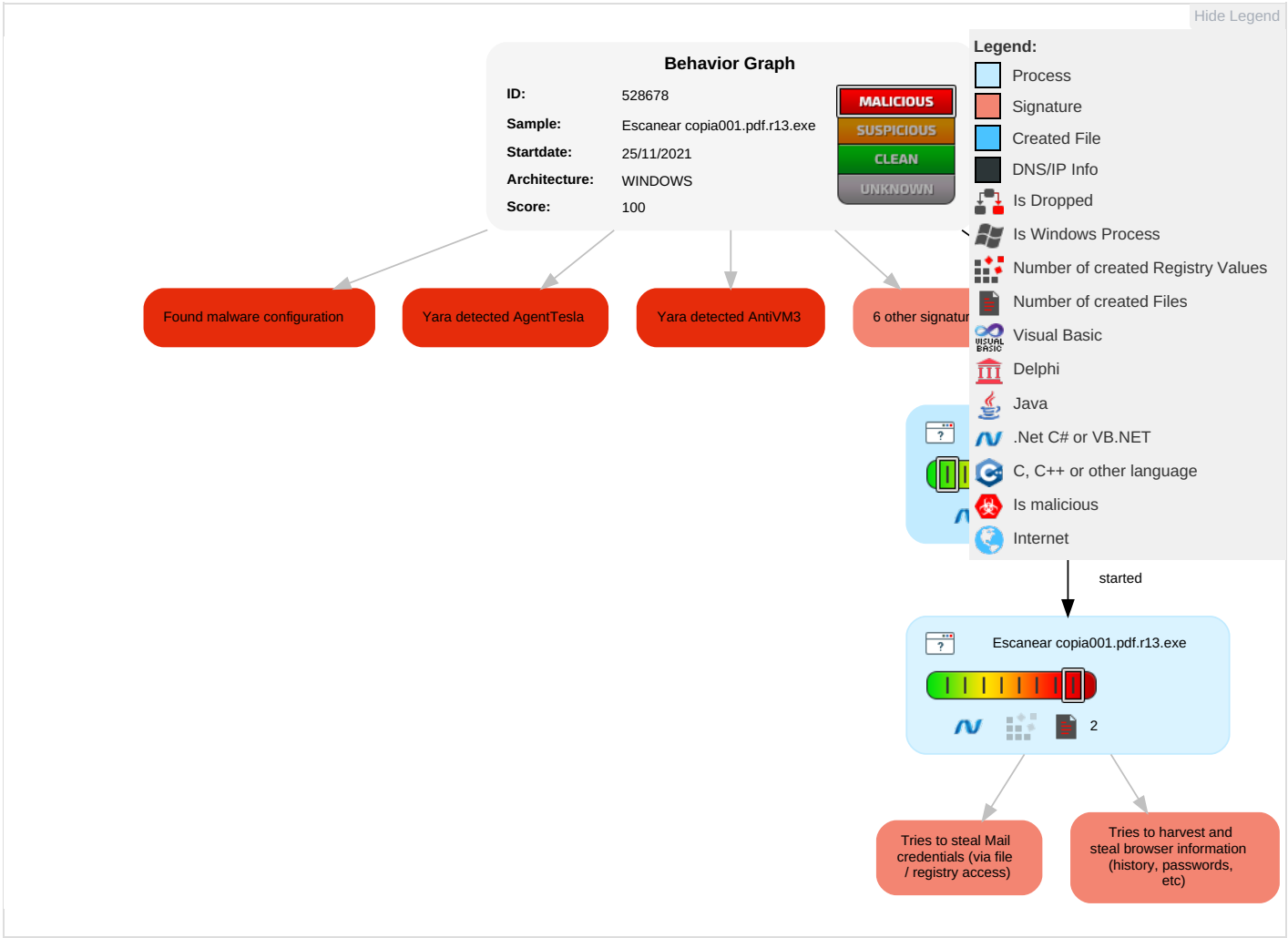
## Remote Access Functionality:

**Yara detected AgentTesla**

## Mitre Att&ck Matrix

| Initial Access | Execution | Persistence | Privilege Escalation | Defense Evasion | Credential Access | Discovery | Lateral Movement | Collection | Exfiltration | Command and Control | N E |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Valid Accounts | Windows Management Instrumentation 2 1 1 | Path Interception | Process Injection 1 2 | Masquerading 1 | OS Credential Dumping 1 | Security Software Discovery 2 1 1 | Remote Services | Email Collection 1 | Exfiltration Over Other Network Medium | Encrypted Channel 1 | E Ir N C |
| Default Accounts | Command and Scripting Interpreter 2 | Boot or Logon Initialization Scripts | Boot or Logon Initialization Scripts | Disable or Modify Tools 1 | LSASS Memory | Process Discovery 2 | Remote Desktop Protocol | Archive Collected Data 1 1 | Exfiltration Over Bluetooth | Junk Data | E R C |
| Domain Accounts | At (Linux) | Logon Script (Windows) | Logon Script (Windows) | Virtualization/Sandbox Evasion 1 3 1 | Security Account Manager | Virtualization/Sandbox Evasion 1 3 1 | SMB/Windows Admin Shares | Data from Local System 1 | Automated Exfiltration | Steganography | E T L |
| Local Accounts | At (Windows) | Logon Script (Mac) | Logon Script (Mac) | Process Injection 1 2 | NTDS | Application Window Discovery 1 | Distributed Component Object Model | Input Capture | Scheduled Transfer | Protocol Impersonation | S S |
| Cloud Accounts | Cron | Network Logon Script | Network Logon Script | Deobfuscate/Decode Files or Information 1 | LSA Secrets | System Information Discovery 1 1 4 | SSH | Keylogging | Data Transfer Size Limits | Fallback Channels | M D C |
| Replication Through Removable Media | Launchd | Rc.common | Rc.common | Obfuscated Files or Information 2 | Cached Domain Credentials | System Owner/User Discovery | VNC | GUI Input Capture | Exfiltration Over C2 Channel | Multiband Communication | J D S |
| External Remote Services | Scheduled Task | Startup Items | Startup Items | Software Packing 1 3 | DCSync | Network Sniffing | Windows Remote Management | Web Portal Capture | Exfiltration Over Alternative Protocol | Commonly Used Port | R A |

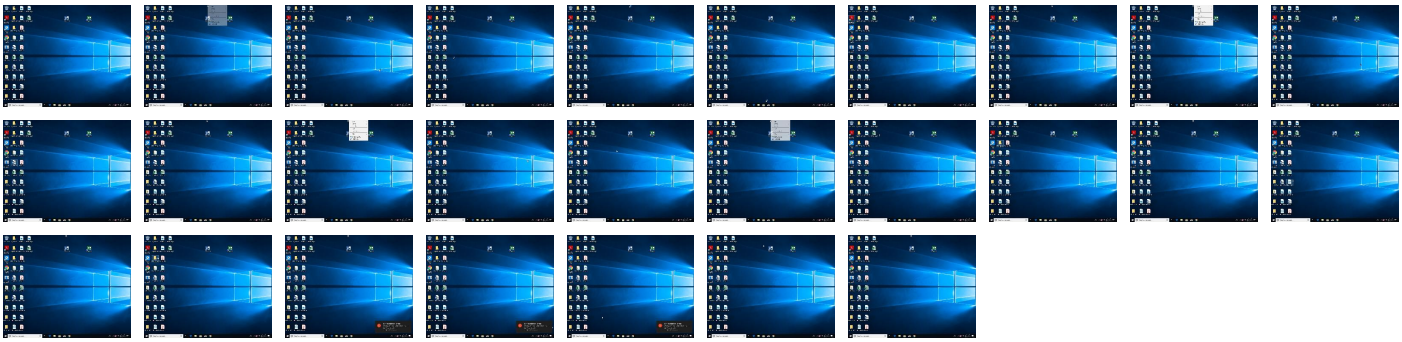
## Behavior Graph



# 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

**No Antivirus matches**

## Dropped Files

**No Antivirus matches**

## Unpacked PE Files

| Source | Detection | Scanner | Label | Link | Download |
|---|---|---|---|---|---|
| 2.0.Escanear copia001.pdf.r13.exe.400000.8.unpack | 100% | Avira | TR/Spy.Gen8 | | Download File |
| 2.0.Escanear copia001.pdf.r13.exe.400000.10.unpack | 100% | Avira | TR/Spy.Gen8 | | Download File |
| 2.0.Escanear copia001.pdf.r13.exe.400000.12.unpack | 100% | Avira | TR/Spy.Gen8 | | Download File |
| 2.2.Escanear copia001.pdf.r13.exe.400000.0.unpack | 100% | Avira | TR/Spy.Gen8 | | Download File |
| 2.0.Escanear copia001.pdf.r13.exe.400000.6.unpack | 100% | Avira | TR/Spy.Gen8 | | Download File |
| 2.0.Escanear copia001.pdf.r13.exe.400000.4.unpack | 100% | Avira | TR/Spy.Gen8 | | Download File |

## Domains

**No Antivirus matches**

## URLs

| Source | Detection | Scanner | Label | Link |
|---|---|---|---|---|
| http://127.0.0.1:HTTP/1.1 | 0% | Avira URL Cloud | safe | |
| http://DynDns.comDynDNS | 0% | URL Reputation | safe | |
| http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip%tordir%%ha | 0% | URL Reputation | safe | |
| http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip | 0% | URL Reputation | safe | |
| http://uArhJl.com | 0% | Avira URL Cloud | safe | |

# Domains and IPs

## Contacted Domains

**No contacted domains info**

## URLs from Memory and Binaries

## Contacted IPs

**No contacted IP infos**

# General Information

| | |
|---|---|
| Joe Sandbox Version: | 34.0.0 Boulder Opal |
| Analysis ID: | 528678 |
| Start date: | 25.11.2021 |
| Start time: | 16:25:12 |
| Joe Sandbox Product: | CloudBasic |
| Overall analysis duration: | 0h 8m 31s |
| Hypervisor based Inspection enabled: | false |
| Report type: | light |
| Sample file name: | Escanear copia001.pdf.r13.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: | 21 |
| 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<br>• EGA enabled<br>• HDC enabled<br>• AMSI enabled |
| Analysis Mode: | default |
| Analysis stop reason: | Timeout |
| Detection: | MAL |
| Classification: | mal100.troj.spyw.evad.winEXE@3/1@0/0 |
| EGA Information: | Failed |
| HDC Information: | Failed |
| HCA Information: | • Successful, ratio: 99%<br>• Number of executed functions: 0<br>• Number of non-executed functions: 0 |
| Cookbook Comments: | • Adjust boot time<br>• Enable AMSI<br>• Found application associated with file extension: .exe |
| Warnings: | Show All |

# Simulations

## Behavior and APIs

| Time | Type | Description |
|---|---|---|
| 16:26:13 | API Interceptor | 767x Sleep call for process: Escanear copia001.pdf.r13.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\Escanear copia001.pdf.r13.exe.log | |
|---|---|
| Process: | C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe |
| File Type: | ASCII text, with CRLF line terminators |
| Category: | dropped |
| Size (bytes): | 2239 |
| Entropy (8bit): | 5.354287817410997 |
| Encrypted: | false |

| C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\Escanear copia001.pdf.r13.exe.log | |
|---|---|
| SSDEEP: | 48:MxHKXeHKlEHU0YHKhQnouHIW7HKjntHoxHhAHKzvr1qHXHK2HKgmHKovjHKs:iqXeqm00YqhQnouRqjntIxHeqzTw3q2W |
| MD5: | 913D1EEA179415C6D08FB255AE42B99D |
| SHA1: | E994C612C0596994AAE55FBCE35B7A4FBE312FD7 |
| SHA-256: | 473B4000084ACF4C7D701CE72EBF71BD304054231B3BDF7CAF49898A1FDA13D0 |
| SHA-512: | 768045C288CEEE8FE1A099FC8CEA713B685F6ED3FD8BFA1C8E64CA09F7AF9FEBEA90F5277B28444AFF8F2AC7CD857DFCDF7D3A98CD86288925DB7A4A4234685 |
| Malicious: | false |
| Reputation: | moderate, very likely benign file |
| Preview: | 1,"fusion","GAC",0..1,"WinRT","NotApp",1..3,"System, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System\4f0a7eefa3cd3e0ba98b5ebddbbc72e6\System.ni.dll",0..3,"PresentationCore, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35","C:\Windows\assembly\NativeImages_v4.0.30319_32\PresentationCore\820a27781e8540ca263d835ec155f1a5\PresentationCore.ni.dll",0..3,"PresentationFramework, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35","C:\Windows\assembly\NativeImages_v4.0.30319_32\Presentatio5ae0f00f#\889128adc9a7c9370e5e293f65060164\PresentationFramework.ni.dll",0..3,"System.Core, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\f1d8480152e0da9a60ad49c6d16a3b6d\System.Core.ni.dll",0..3,"WindowsBase, Version=4.0.0.0, Culture=neutral, PublicKeyToken=31bf3856ad364e35","C:\Windows\assembly\NativeImages_v4.0.30319_32\Wi |

# Static File Info

## General

| | |
|---|---|
| File type: | PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows |
| Entropy (8bit): | 7.869372662614564 |
| TrID: | • Win32 Executable (generic) Net Framework (10011505/4) 49.83%<br>• Win32 Executable (generic) a (10002005/4) 49.78%<br>• Generic CIL Executable (.NET, Mono, etc.) (73296/58) 0.36%<br>• Generic Win/DOS Executable (2004/3) 0.01%<br>• DOS Executable Generic (2002/1) 0.01% |
| File name: | Escanear copia001.pdf.r13.exe |
| File size: | 500736 |
| MD5: | 14de1a4fd7bd475b6456dd4d5482be8b |
| SHA1: | 1b0b6db87e6cf3b952ec840669c52a4f873cf3be |
| SHA256: | 1181955b92daca60677ddd93afcb2c10a0d2e4d77f8a67ced5dfa3dfaaa27594 |
| SHA512: | 8bcfc8e90dc4baee0e8d4351f2b0db011ee37eadb6944ecb1b62180a53ceda93b241f1547347f947f0b33e9685af104253acaf8ab99655612b31743f72d726ff |
| SSDEEP: | 12288:J9jTvRoDHaIpeaM0RixBFmc4BztH0YErd2i9P5lcShTI1wHz0q3FOdC:Ap5M0Ri1AHx3mP5LhXz0wg |
| File Content Preview: | MZ.....@.....!..L.!This program cannot be run in DOS mode....$.....PE..L....B.a.....0..... .....@.. .....@..... |

## File Icon

| | |
|---|---|
| Icon Hash: | 00828e8e8686b000 |

## Static PE Info

### General

| | |
|---|---|
| Entrypoint: | 0x47b82e |
| Entrypoint Section: | .text |
| Digitally signed: | false |
| Imagebase: | 0x400000 |
| Subsystem: | windows gui |
| Image File Characteristics: | 32BIT_MACHINE, EXECUTABLE_IMAGE |
| DLL Characteristics: | NO_SEH, TERMINAL_SERVER_AWARE, DYNAMIC_BASE, NX_COMPAT |
| Time Stamp: | 0x619F42CD [Thu Nov 25 08:01:17 2021 UTC] |
| TLS Callbacks: | |
| CLR (.Net) Version: | v4.0.30319 |
| OS Version Major: | 4 |

### General

| | |
|---|---|
| OS Version Minor: | 0 |
| File Version Major: | 4 |
| File Version Minor: | 0 |
| Subsystem Version Major: | 4 |
| Subsystem Version Minor: | 0 |
| Import Hash: | f34d5f2d4577ed6d9ceec516c1f5a744 |

### Entrypoint Preview

### Data Directories

### Sections

| Name | Virtual Address | Virtual Size | Raw Size | Xored PE | ZLIB Complexity | File Type | Entropy | Characteristics |
|---|---|---|---|---|---|---|---|---|
| .text | 0x2000 | 0x79844 | 0x79a00 | False | 0.896076888489 | data | 7.8799771332 | IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ |
| .rsrc | 0x7c000 | 0x5ec | 0x600 | False | 0.435546875 | data | 4.20818875396 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ |
| .reloc | 0x7e000 | 0xc | 0x200 | False | 0.044921875 | data | 0.101910425663 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ |

### Resources

### Imports

### Version Infos

## Network Behavior

**No network behavior found**

## Code Manipulations

## Statistics

### Behavior

Click to jump to process

## System Behavior

### Analysis Process: Escanear copia001.pdf.r13.exe PID: 6516 Parent PID: 5592

### General

| | |
|---|---|
| Start time: | 16:26:11 |
| Start date: | 25/11/2021 |
| Path: | C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe |
| Wow64 process (32bit): | true |
| Commandline: | "C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe" |

| | |
|---|---|
| Imagebase: | 0xbe0000 |
| File size: | 500736 bytes |
| MD5 hash: | 14DE1A4FD7BD475B6456DD4D5482BE8B |
| Has elevated privileges: | true |
| Has administrator privileges: | true |
| Programmed in: | .Net C# or VB.NET |
| Yara matches: | • Rule: JoeSecurity_AntiVM_3, Description: Yara detected AntiVM_3, Source: 00000001.00000002.354610313.0000000003191000.00000004.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AntiVM_3, Description: Yara detected AntiVM_3, Source: 00000001.00000002.354744696.000000000325B000.00000004.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000001.00000002.355155852.000000000419D000.00000004.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000001.00000002.355155852.000000000419D000.00000004.00000001.sdmp, Author: Joe Security |
| Reputation: | low |

**File Activities** Show Windows behavior

**File Created**

**File Written**

**File Read**

## Analysis Process: Escanear copia001.pdf.r13.exe PID: 5868 Parent PID: 6516

### General

| | |
|---|---|
| Start time: | 16:26:14 |
| Start date: | 25/11/2021 |
| Path: | C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe |
| Wow64 process (32bit): | true |
| Commandline: | C:\Users\user\Desktop\Escanear copia001.pdf.r13.exe |
| Imagebase: | 0xf40000 |
| File size: | 500736 bytes |
| MD5 hash: | 14DE1A4FD7BD475B6456DD4D5482BE8B |
| Has elevated privileges: | true |
| Has administrator privileges: | true |
| Programmed in: | .Net C# or VB.NET |

| | |
|---|---|
| Yara matches: | • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000000.352642161.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000002.00000000.352642161.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000002.610196279.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000002.00000002.610196279.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000000.352178048.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000002.00000000.352178048.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000000.351142035.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000002.00000000.351142035.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000000.351621242.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000002.00000000.351621242.0000000000402000.00000040.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000002.612456843.00000000032C1000.00000004.00000001.sdmp, Author: Joe Security<br>• Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 00000002.00000002.612456843.00000000032C1000.00000004.00000001.sdmp, Author: Joe Security |
| Reputation: | low |

**File Activities** Show Windows behavior

**File Created**

**File Read**

# Disassembly

## Code Analysis