

STjqja.jpg

Is DLL

Packer

Anti Debug

Anti VM

Signed

XOR

MalFamily: Lokibot


MalScore: 100

File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
File size:	381.00 KB (390144 bytes)
Compile time:	2018-07-04 17:05:37
MD5:	3e05bbc0b0f5d2046c5922c4ffad207e
SHA1:	c70a01a463bb3a3ad158ef1343e3db25e02dd13e
Import hash:	f34d5f2d4577ed6d9ceec516c1f5a744
Submitted:	2018-07-08 17:39:02

URL(s) file hosting

<https://a.coka.la/STjqja.jpg>

Antivirus Report

Report date	Detection Ratio	Permalink
2018-07-04 22:09:03	14/63	

Import library

mscoree.dll

22

Behaviors detected by system signatures

Created network traffic indicative of malicious activity

- signature: ET TROJAN LokiBot User-Agent (Charon/Inferno)



- signature: ET TROJAN LokiBot Checkin
- signature: ET TROJAN LokiBot Request for C2 Commands Detected M2
- signature: ET TROJAN LokiBot Request for C2 Commands Detected M1
- signature: ET TROJAN LokiBot Application/Credential Data Exfiltration Detected M1
- signature: ET TROJAN LokiBot Application/Credential Data Exfiltration Detected M2

Installs itself for autorun at Windows startup

- file: C:\Users\Seven01\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Startup\DSInvV.url
- file: C:\Users\Seven01\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Startup\DSInvV.url

Creates a hidden or system file

- file: C:\Users\Seven01\AppData\Roaming\E62877\73E4A9.exe
- file: C:\Users\Seven01\AppData\Roaming\E62877

Checks the system manufacturer, likely for anti-virtualization

Creates a copy of itself

- copy: C:\Users\Seven01\AppData\Roaming\STjqja.jpg

Harvests credentials from local FTP client softwares

- file: C:\Users\Seven01\AppData\Roaming\FileZilla\sitemanager.xml
- file: C:\Users\Seven01\AppData\Roaming\FileZilla\recentsservers.xml
- file: C:\Users\Seven01\AppData\Roaming\Far Manager\Profile\PluginsData\42E4AEB1-A230-44F4-B33C-F195BB654931.db
- file: C:\Program Files (x86)\FTPGetter\Profile\servers.xml
- file: C:\Users\Seven01\AppData\Roaming\FTPGetter\servers.xml
- file: C:\Users\Seven01\AppData\Roaming\Estsoft\ALFTP\ESTdb2.dat
- key: HKEY_CURRENT_USER\Software\Far\Plugins\FTP\Hosts
- key: HKEY_CURRENT_USER\Software\Far2\Plugins\FTP\Hosts
- key: HKEY_CURRENT_USER\Software\Ghisler\Total Commander
- key: HKEY_CURRENT_USER\Software\LinasFTP\Site Manager

Harvests information related to installed instant messenger clients

- file: C:\Users\Seven01\AppData\Roaming\purple\accounts.xml

Harvests information related to installed mail clients

- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000003
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000002
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000001
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\8503020000000000c00000000000046\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\7d19c9e894f20d4780a31c9a9f17da11
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9207f3e0a3b11019908b08002b2a56c2
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\00471e98b7a362469ed97e3915fd4111
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000003\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\{D9734F19-8CFB-411D-BC59-833E334FCB5E}
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\86ed2903a4a11cfb57e524153480001\Email

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- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\10b0e4d6eb1de34dabd532a0806a0fec\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\818ecc2f310b344f807e8af5dc013189\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\192e64c97bf3a54488a039619c763627
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\32a3dc9c400a4b448b60ab7fe553a392\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\32a3dc9c400a4b448b60ab7fe553a392
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\{D9734F19-8CFB-411D-BC59-833E334FCB5E}\Calendar Summary
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000002\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\3517490d76624c419a828607e2a54604
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\818ecc2f310b344f807e8af5dc013189
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000001\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\8503020000000000c0000000000046
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\43e0bb79f0f2d84db98ff4f730d23d24
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9207f3e0a3b11019908b08002b2a56c2\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\7760e21103136b47946c9c80fa097f15
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\{D9734F19-8CFB-411D-BC59-833E334FCB5E}\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\0a0d020000000000c0000000000046\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\13dbb0c8aa05101a9bb00aa002fc45a
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\6a50d9bd87f9a8478751861a1591a6c2
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\6a50d9bd87f9a8478751861a1591a6c2\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\192e64c97bf3a54488a039619c763627\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\10b0e4d6eb1de34dabd532a0806a0fec
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\0a0d020000000000c0000000000046
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\ddb0922fc50b8d42be5a821ede840761\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\ddb0922fc50b8d42be5a821ede840761
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\86ed2903a4a11cfb57e524153480001
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\7d19c9e894f20d4780a31c9a9f17da11\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\13dbb0c8aa05101a9bb00aa002fc45a\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\7760e21103136b47946c9c80fa097f15\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\{D9734F19-8CFB-411D-BC59-833E334FCB5E}\Calendar
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Summary\Email

- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\43e0bb79f0f2d84db98ff4f730d23d24\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\00471e98b7a362469ed97e3915fd4111\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\3517490d76624c419a828607e2a54604\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Office\16.0\Outlook\Profiles\Outlook
- key: HKEY_CURRENT_USER\Software\Microsoft\Office\15.0\Outlook\Profiles\Outlook

Collects information to fingerprint the system

Anomalous binary characteristics

- anomaly: Actual checksum does not match that reported in PE header

Attempts to repeatedly call a single API many times in order to delay analysis time

- Spam: services.exe (484) called API GetSystemTimeAsFileTime 2587878 times

Queries information on disks, possibly for anti-virtualization

Executed a process and injected code into it, probably while unpacking

- Injection: STjqja.jpg(2584) -> vbc.exe(2984)

Attempts to remove evidence of file being downloaded from the Internet

- file: C:\Users\Seven01\AppData\Roaming\STjqja.jpg:Zone.Identifier

Creates RWX memory

A process attempted to delay the analysis task.

- Process: vbc.exe tried to sleep 720 seconds, actually delayed analysis time by 0 seconds
- Process: sppsvc.exe tried to sleep 300 seconds, actually delayed analysis time by 0 seconds

At least one IP Address, Domain, or File Name was found in a crypto call

- ioc: 6.963973E-05F
- ioc: -1.198299E
- ioc: 1.931073E
- ioc: 7.138549E
- ioc: 2.383978E-31
- ioc: 8.478927E-18
- ioc: 1.041887E
- ioc: 3.793698E
- ioc: 4.741043E-36
- ioc: -119.4798
- ioc: 1.664585E
- ioc: -1.094875E-08F
- ioc: 1.0.0.0
- ioc: pplication.app
- ioc: asm.v2

HTTP traffic contains suspicious features which may be indicative of malware related traffic

- post_no_referer: HTTP traffic contains a POST request with no referer header
- http_version_old: HTTP traffic uses version 1.0
- suspicious_request: http://www.niceplix.ru/en/30g0Q-38end/fred.php

Performs some HTTP requests

- url: http://www.niceplix.ru/en/30g0Q-38end/fred.php

The binary likely contains encrypted or compressed data.

- section: name: .text, entropy: 6.91, characteristics: IMAGE_SCN_CNT_CODE|IMAGE_SCN_MEM_EXECUTE|IMAGE_SCN_MEM_READ, raw_size:

0x00017600, virtual_size: 0x00017494

Anomalous .NET characteristics

- anomalous_version: Assembly version is set to 0

At least one process apparently crashed during execution

2 HTTP Request(s) detected

<http://www.niceplix.ru/en/30g0Q-38end/fred.php>

Hostname: www.niceplix.ru

IP Address:

Port: 80

Count: 2

<http://www.niceplix.ru/en/30g0Q-38end/fred.php>

Hostname: www.niceplix.ru

IP Address:

Port: 80

Count: 12