

4A72D2.exe

Is DLL

Packer

Anti Debug

Anti VM

Signed

XOR

MalFamily: Loki

MalScore: 100

File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
File size:	240.50 KB (246272 bytes)
Compile time:	2018-01-30 23:30:47
MD5:	8f0a43e62d111501357a8b1fee5372f4
SHA1:	707f3dc088156bfa8effdf65a0dab1618c073808
Import hash:	f34d5f2d4577ed6d9ceec516c1f5a744
Submitted:	2018-02-08 15:32:02

URL(s) file hosting

<http://agepsed.org/wp-content/plugins/apikey/Ade12222.exe>

Antivirus Report

Report date	Detection Ratio	Permalink
2018-02-01 09:35:07	42/64	

Import library

mscoree.dll

15

Behaviors detected by system signatures

Created network traffic indicative of malicious activity

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

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

Collects information to fingerprint the system

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\fb86ed2903a4a11cfb57e524153480001\Email
- 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\8503020000000000c00000000000046
- 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\13dbb0c8aa05101a9bb000aa002fc45a
- 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\13dbb0c8aa05101a9bb000aa002fc45a\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 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

Harvests information related to installed instant messenger clients

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

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\LinusFTP\Site Manager

Creates a hidden or system file

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

Spoofs its process name and/or associated pathname to appear as a legitimate process

- original_path: C:\Users\Seven01\AppData\Local\Temp\4A72D2.exe
- modified_name: 4a72d2.exe
- original_name: 4A72D2.exe
- modified_path: C:\Users\Seven01\AppData\Local\Temp\4a72d2.exe

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

- Spam: services.exe (488) called API GetSystemTimeAsFileTime 3395900 times

Deletes its original binary from disk

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

- Injection: 4A72D2.exe(2456) -> 4A72D2.exe(2600)

The binary likely contains encrypted or compressed data.

- section: name: .text, entropy: 7.99, characteristics:
IMAGE_SCN_CNT_CODE|IMAGE_SCN_MEM_EXECUTE|IMAGE_SCN_MEM_READ, raw_size:
0x0003ae00, virtual_size: 0x0003ad84

Performs some HTTP requests

- url: http://www.lahtiprecision.ir/dewale/fre.php

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.lahtiprecision.ir/dewale/fre.php

A process attempted to delay the analysis task.

- Process: 4A72D2.exe tried to sleep 721 seconds, actually delayed analysis time by 0 seconds

Creates RWX memory

2 HTTP Request(s) detected

<http://www.lahtiprecision.ir/dewale/fre.php>

Hostname: www.lahtiprecision.ir

IP Address: 82.151.108.118

Port: 80

Count: 2

<http://www.lahtiprecision.ir/dewale/fre.php>

Hostname: www.lahtiprecision.ir

IP Address: 82.151.108.118

Port: 80

Count: 13