SBOUT.exe

Is DLL | Packer | Anti Debug | Anti VM | Signed | XOR

MalFamily: Ispy **MalScore: 100**

File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
File size:	460.57 KB (471624 bytes)
Compile time:	2018-05-29 17:11:50
MD5:	94c4e4fe18361f6178884fc662db8acc
SHA1:	072f043930cb3e205ff6f2f38faf2f5a240ad817
Import hash:	f34d5f2d4577ed6d9ceec516c1f5a744
Submitted:	2018-06-01 23:18:07

URL(s) file hosting

http://www.paulocamarao.com/server-log/SBOUT.exe

Antivirus Report

Report date	Detection Ratio	Permalink
2018-05-30 05:17:23	25/66	

Import library

mscoree.dll

22 Behaviors detected by system signatures

Collects information to fingerprint the system

Exhibits behavior characteristic of iSpy Keylogger

- C2: 192.168.56.1
- C2: thewholedust.org/WebPanel/api.php
- C2: thewholedust.org/WebPanel/api.php/WebPanel/api.php
- C2: thewholedust.org/WebPanel/api.php/WebPanel/api.php/WebPanel/api.php
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Installs itself for autorun at Windows startup

- key: HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Run\Lexmark International Inc
- data: C:\Users\Seven01\AppData\Roaming\Lexmark International Inc\Lexmark International Inc.exe
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows\Load
- data: C:\Users\Seven01\AppData\Local\Temp\FolderN\name.exe.lnk

Creates a hidden or system file

- file: C:\Users\Seven01\AppData\Local\Temp\FolderN

Retrieves Windows ProductID, probably to fingerprint the sandbox

Checks the CPU name from registry, possibly for anti-virtualization

Creates a copy of itself

- copy: C:\Users\Seven01\AppData\Local\Temp\FolderN\name.exe

Harvests credentials from local FTP client softwares

- file: C:\Users\Seven01\AppData\Roaming\FileZilla\recentservers.xml
- file: C:\Users\Seven01\AppData\Roaming\SmartFTP\Client 2.0\Favorites\Quick Connect\
- file: C:\Users\Seven01\AppData\Roaming\Ipswitch\WS_FTP\Sites\ws_ftp.ini
- key: HKEY_CURRENT_USER\Software\FTPWare\COREFTP\Sites

Harvests information related to installed instant messenger clients

- file: C:\Users\Seven01\AppData\Roaming\.purple\accounts.xml
- key: HKEY_CURRENT_USER\Software\Paltalk

Harvests information related to installed mail clients

- file: C:\Users\Seven01\AppData\Roaming\Thunderbird\profiles.ini
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows Messaging Subsystem\Profiles\9375CFF0413111d3B88A00104B2A6676
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000001\IMAP Password
- 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
- 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\9375CFF0413111d3B88A00104B2A6676\00000003\IMAP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000001\HTTP Password
- 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\9375CFF0413111d3B88A00104B2A6676\00000003\Email
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000001\POP3 Password
- 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\9375CFF0413111d3B88A00104B2A6676\00000003
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000001\SMTP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000002\HTTP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000002\IMAP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000002\POP3 Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000002\SMTP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000003\POP3 Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000003\HTTP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Windows NT\CurrentVersion\Windows Messaging Subsystem\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676\00000003\SMTP Password
- key: HKEY_CURRENT_USER\Software\Microsoft\Office\16.0\Outlook\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676
- key: HKEY_CURRENT_USER\Software\Microsoft\Office\15.0\Outlook\Profiles\Outlook\9375CFF0413111d3B88A00104B2A6676

Sniffs keystrokes

- SetWindowsHookExW: Process: svhost.exe(2652)

Attempts to remove evidence of file being downloaded from the Internet

- file: C:\Users\Seven01\AppData\Roaming\Lexmark International Inc\Lexmark International Inc.exe:Zone.Identifier

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

- Injection: SBOUT.exe(2344) -> svhost.exe(2652)

A process attempted to delay the analysis task.

- Process: svhost.exe tried to sleep 608 seconds, actually delayed analysis time by 0 seconds
- Process: WmiPrvSE.exe tried to sleep 361 seconds, actually delayed analysis time by 0 seconds

Reads data out of its own binary image

- self_read: process: SBOUT.exe, pid: 2344, offset: 0x00000000, length: 0x00001000
- self_read: process: SBOUT.exe, pid: 2344, offset: 0x00000080, length: 0x00000200

A process created a hidden window

- Process: SBOUT.exe -> "cmd.exe"

Drops a binary and executes it

- binary: C:\Users\Seven01\AppData\Local\Temp\svhost.exe

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
- get_no_useragent: HTTP traffic contains a GET request with no user-agent header
- suspicious_request: http://checkip.dyndns.org/
- suspicious_request: http://thewholedust.org/WebPanel/api.php

Performs some HTTP requests

- url: http://checkip.dyndns.org/
- url: http://thewholedust.org/WebPanel/api.php

The binary likely contains encrypted or compressed data.

- section: name: .text, entropy: 7.29, characteristics: IMAGE_SCN_CNT_CODE|IMAGE_SCN_MEM_EXECUTE|IMAGE_SCN_MEM_READ, raw_size: 0x00047a00, virtual_size: 0x000479c4

Looks up the external IP address

- domain: checkip.dyndns.org

Creates RWX memory

9 HTTP Request(s) detected

http://checkip.dyndns.org/
Hostname: checkip.dyndns.org
IP Address: 216.146.43.71
Port: 80
Count: 1

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 57

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 2

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 1

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 59

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 1

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 1

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 5

http://thewholedust.org/WebPanel/api.php
Hostname: thewholedust.org
IP Address: 188.215.92.149
Port: 80
Count: 22