

JOeSandbox Cloud BASIC



ID: 680420
Sample Name: New Order
000212.exe
Cookbook: default.jbs
Time: 15:26:08
Date: 08/08/2022
Version: 35.0.0 Citrine

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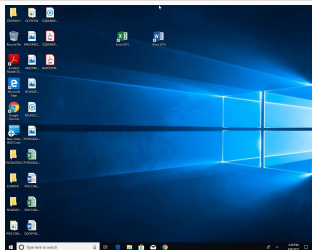
Windows Analysis Report

New Order 000212.exe

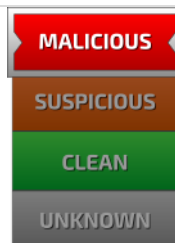
Overview

General Information

Sample Name:	New Order 000212.exe
Analysis ID:	680420
MD5:	989e8988e2ed04..
SHA1:	6a5397ef119961..
SHA256:	c19a3d6f7af18f9..
Tags:	exe Formbook loki
Infos:	   



Detection

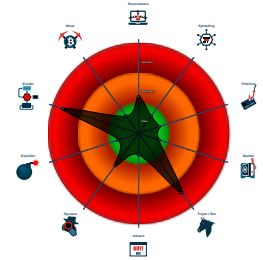


Score:	100
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Multi AV Scanner detection for subm...
- Yara detected FormBook
- Malicious sample detected (through...
- Antivirus / Scanner detection for sub...
- Antivirus detection for URL or domain
- Maps a DLL or memory area into an...
- Initial sample is a PE file and has a...
- Writes to foreign memory regions
- Encrypted powershell cmdline option...
- Machine Learning detection for sam...
- .NET source code contains potentia...
- Injects a PE file into a foreign proce...

Classification



Process Tree

- System is w10x64
-  **New Order 000212.exe** (PID: 5020 cmdline: "C:\Users\user\Desktop\New Order 000212.exe" MD5: 989E8988E2ED04A3E86A6FAF2727C00F)
 -  **powershell.exe** (PID: 3360 cmdline: "C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe" -enc UwB0AGEAcgB0AC0AUwBsAGUAZQBwACAALQB TAGUAYwBvAG4AZAbzACAAmGAA== MD5: DBA3E6449E97D4E3DF64527EF7012A10)
 -  **conhost.exe** (PID: 5516 cmdline: C:\Windows\system32\conhost.exe 0xffffffff -ForceV1 MD5: EA777DEEA782E8B4D7C7C33BBF8A4496)
 -  **InstallUtil.exe** (PID: 6444 cmdline: C:\Windows\Microsoft.NET\Framework\v4.0.30319\InstallUtil.exe MD5: EFEC8C379D165E3F33B536739AEE26A3)
 -  **explorer.exe** (PID: 3968 cmdline: C:\Windows\Explorer.EXE MD5: AD5296B280E8F522A8A897C96BAB0E1D)
 -  **explorer.exe** (PID: 4504 cmdline: C:\Windows\SysWOW64\explorer.exe MD5: 166AB1B9462E5C1D6D18EC5EC0B6A5F7)
 - cleanup

Malware Configuration

Threatname: FormBook

```

{
  "C2 list": [
    "www.bitp0ker.com/ch0y/"
  ],
  "decoy": [
    "DsSuTIKP/TGroQ==",
    "P9qN441Kxi+xjWTAhKNR1LVxMgQ=",
    "9qCL4zvn9mwIdk0h/yV7/huJFSn3D30s",
    "j3uKB82SGqMBQ5xc0VU=",
    "6pKRfMiuuToAgP0cqW==",
    "4Pi0eIts9Uq4vg==",
    "hHZLS1fCwzXHL+Nmy2McH7RGLJS6",
    "VMCC6Z2YZcKIXyHVh62k/ZBj",
    "Mp1USTGT0AHVs6dJSfvF",
    "rWiIAAFoa+I9AxYCyU7nIENSNjPOCLc4mA==",
    "F4VSDGZpizupadJSfvF",
    "kUcwDfhqa8FGq35iHI+L1Q==",
    "U7pxZ33UK0oEgP0cqW==",
    "AVoLdz8pa5cChDxr04vA",
    "0oSIgH72TZJXqW==",
    "0JpSKSiksJbXJdr7uBde7ARCBg==",
    "kkSPLGx0bs2YQ5xc0VU=",
    "LyYV4NAYNrh+00Q0oFFFGKVGLJS6",
    "act4W4dKW9fV5afRXQLQ3Q==",
    "smBEMTUISG878JUW+Sab4rVxMgQ=",
    "Wb1w2UzC03qQxcSvrg==",
    "dSXgTwHz4FQOQ104eaVX2LVxMgQ=",
    "QvKfeZZimp6L3cXY5rN",
    "9VUBVxcFpD3A0w2NdRbP",
    "hG5VLzW5zD3NnHF/+6/N",
    "9Q2iC5t3RLk8",
    "H/vFs08OKLJ4vYKcLxDdpDfPcWw=",
    "SyIff/NY0LWW24cgrkgDE2mSNBM=",
    "h/af9Xs+GWhCf1SuXwxEqcReAN1MQQE=",
    "0sqQFcF9RJ4ik2MiXGURGrNGLJS6",
    "5qCkDtvJCzffSNsz+xGg8ZVp",
    "aVRU0kgCua5scnvoow==",
    "KhoDZfmuv0D5q6LJSfvF",
    "AuTfVsNxhvJ86NC0gauk/ZBj",
    "mEg6LRZjbPyU98icatGk/ZBj",
    "vKKkf2/c3E4RNQ3i",
    "moZ6xEVmCotDuJpavA==",
    "3dbQwevfJF0RNQ3i",
    "v56zK/b0QJgusKLJSfvF",
    "4keIfiWb7Cb+gP0cqW==",
    "ULZ/Z23Z4Aq+JATg",
    "2/V7WpqzpZVqqQ==",
    "0o6A/IhIDDo0wMvHN9/i7kJjDg==",
    "q2LbsR/ut/vWCJd101dgqLCyQWJ9CLc4mA==",
    "JHcxkSZ3SIFdEP7",
    "jKABch8Pz0a8bW1MAKxbPPNv87tUVkk",
    "A2faCjfr9LAW9JEW+eu1AWZdPj3D30s",
    "hi4UAvI9PLpOy7JJSfvF",
    "j2ZsUX1BQnF0JjLLHI+L1Q==",
    "QDAVa9qFOGAuz7JJJSfvF",
    "i/esHebaIjvS1Zxc0VU=",
    "7VICdTI8Pyw+Z20=",
    "c96mm82S+D0JNRDo",
    "ULJ1c4LASdDzqVD7",
    "LZJQLjXzKFYx87LJSfvF",
    "R7xeUVnL4CMc0d/EhKuk/ZBj",
    "UQAJ6h9Cct5WgP0cqW==",
    "WEA7BDdp8lsRNQ3i",
    "UxCh86d9uPrOg5+ggPT185Nr",
    "8lQI/eJYWLx1JTkJSvns",
    "6KJjWKGnrDoAgP0cqW==",
    "guFvYVYFTfBZrieXzmivl0s4JeTUGW==",
    "o5B7Q3xLEET9MQJD7hGV4bvXmGQ=",
    "4lQVff1TGVeIXGU="
  ]
}

```

Yara Signatures				
Memory Dumps				
Source	Rule	Description	Author	Strings
00000012.00000000.437480635.00000000074AC000.0000040.00000001.00040000.00000000.sdump	JoeSecurity_FormBook	Yara detected FormBook	Joe Security	
00000012.00000000.437480635.00000000074AC000.0000040.00000001.00040000.00000000.sdump	Windows_Trojan_Formbook_1112e116	unknown	unknown	0xe7a0:\$a2: 74 0A 4E 0F B6 08 8D 44 08 01 75 F6 8D 70 01 0F B6 00 8D 55 0x7b57:\$a4: 04 83 C4 0C 83 06 07 5B 5F 5E 8B E5 5D C3 8B 17 03 55 0C 6A 01 83
00000012.00000000.437480635.00000000074AC000.0000040.00000001.00040000.00000000.sdump	Formbook_1	autogenerated rule brought to you by yara-signator	Felix Bilstein - yara-signator at cocacoding dot com	0x7955:\$sequence_1: 3C 24 0F 84 76 FF FF FF 3C 25 74 94 0x7401:\$sequence_2: 3B 4F 14 73 95 85 C9 74 91 0x7a57:\$sequence_3: 3C 69 75 44 8B 7D 18 8B 0F 0x7bcf:\$sequence_4: 5D C3 8D 50 7C 80 FA 07 0x664c:\$sequence_6: 57 89 45 FC 89 45 F4 89 45 F8 0xd3f7:\$sequence_8: 3C 54 74 04 3C 74 75 F4 0xe50a:\$sequence_9: 56 68 03 01 00 00 8D 85 95 FE FF FF 6A 00
00000012.00000000.437480635.00000000074AC000.0000040.00000001.00040000.00000000.sdump	Formbook	detect Formbook in memory	JPCERT/CC Incident Response Group	0x9e49:\$sqlite3step: 68 34 1C 7B E1 0x9f7c:\$sqlite3step: 68 34 1C 7B E1 0x9e8b:\$sqlite3text: 68 38 2A 90 C5 0x9fd3:\$sqlite3text: 68 38 2A 90 C5 0x9ea2:\$sqlite3blob: 68 53 D8 7F 8C 0x9ff5:\$sqlite3blob: 68 53 D8 7F 8C
00000000.00000002.368882478.0000000002F24000.0000004.00000800.00020000.00000000.sdump	Windows_Trojan_Formbook_1112e116	unknown	unknown	0x1122d:\$a1: 3C 30 50 4F 53 54 74 09 40 0x1555b:\$a3: 1A D2 80 E2 AF 80 C2 7E EB 2A 80 FA 2F 75 11 8A D0 80 E2 01
Click to see the 19 entries				

Unpacked PEs				
Source	Rule	Description	Author	Strings
16.0.InstallUtil.exe.400000.0.unpack	JoeSecurity_FormBook	Yara detected FormBook	Joe Security	
16.0.InstallUtil.exe.400000.0.unpack	Windows_Trojan_Formbook_1112e116	unknown	unknown	0x5811:\$a1: 3C 30 50 4F 53 54 74 09 40 0x1c9a0:\$a2: 74 0A 4E 0F B6 08 8D 44 08 01 75 F6 8D 70 01 0F B6 00 8D 55 0x9b3f:\$a3: 1A D2 80 E2 AF 80 C2 7E EB 2A 80 FA 2F 75 11 8A D0 80 E2 01 0x15d57:\$a4: 04 83 C4 0C 83 06 07 5B 5F 5E 8B E5 5D C3 8B 17 03 55 0C 6A 01 83
16.0.InstallUtil.exe.400000.0.unpack	Formbook_1	autogenerated rule brought to you by yara-signator	Felix Bilstein - yara-signator at cocacoding dot com	0x15b55:\$sequence_1: 3C 24 0F 84 76 FF FF FF 3C 25 74 94 0x15601:\$sequence_2: 3B 4F 14 73 95 85 C9 74 91 0x15c57:\$sequence_3: 3C 69 75 44 8B 7D 18 8B 0F 0x15dcf:\$sequence_4: 5D C3 8D 50 7C 80 FA 07 0x970a:\$sequence_5: 0F BE 5C 0E 01 0F B6 54 0E 02 83 E3 0F C1 EA 06 0x1484c:\$sequence_6: 57 89 45 FC 89 45 F4 89 45 F8 0xa452:\$sequence_7: 66 89 0C 02 5B 8B E5 5D 0x1b5f7:\$sequence_8: 3C 54 74 04 3C 74 75 F4 0x1c70a:\$sequence_9: 56 68 03 01 00 00 8D 85 95 FE FF FF 6A 00
16.0.InstallUtil.exe.400000.0.unpack	Formbook	detect Formbook in memory	JPCERT/CC Incident Response Group	0x18049:\$sqlite3step: 68 34 1C 7B E1 0x1817c:\$sqlite3step: 68 34 1C 7B E1 0x1808b:\$sqlite3text: 68 38 2A 90 C5 0x181d3:\$sqlite3text: 68 38 2A 90 C5 0x180a2:\$sqlite3blob: 68 53 D8 7F 8C 0x181f5:\$sqlite3blob: 68 53 D8 7F 8C
0.2.New Order 000212.exe.9050000.0.raw.unpack	JoeSecurity_GenericDownloader_1	Yara detected Generic Downloader	Joe Security	

Sigma Signatures				
 No Sigma rule has matched				

Snort Signatures

 No Snort rule has matched

Joe Sandbox Signatures

AV Detection



Multi AV Scanner detection for submitted file

Yara detected FormBook

Antivirus / Scanner detection for submitted sample

Antivirus detection for URL or domain

Machine Learning detection for sample

Networking



Yara detected Generic Downloader

C2 URLs / IPs found in malware configuration

E-Banking Fraud



Yara detected FormBook

System Summary



Malicious sample detected (through community Yara rule)

Initial sample is a PE file and has a suspicious name

.NET source code contains very large array initializations

Data Obfuscation



.NET source code contains potential unpacker

HIPS / PFW / Operating System Protection Evasion



Maps a DLL or memory area into another process

Writes to foreign memory regions

Encrypted powershell cmdline option found

Injects a PE file into a foreign processes

Queues an APC in another process (thread injection)

Modifies the context of a thread in another process (thread injection)

Stealing of Sensitive Information



Yara detected FormBook

Remote Access Functionality

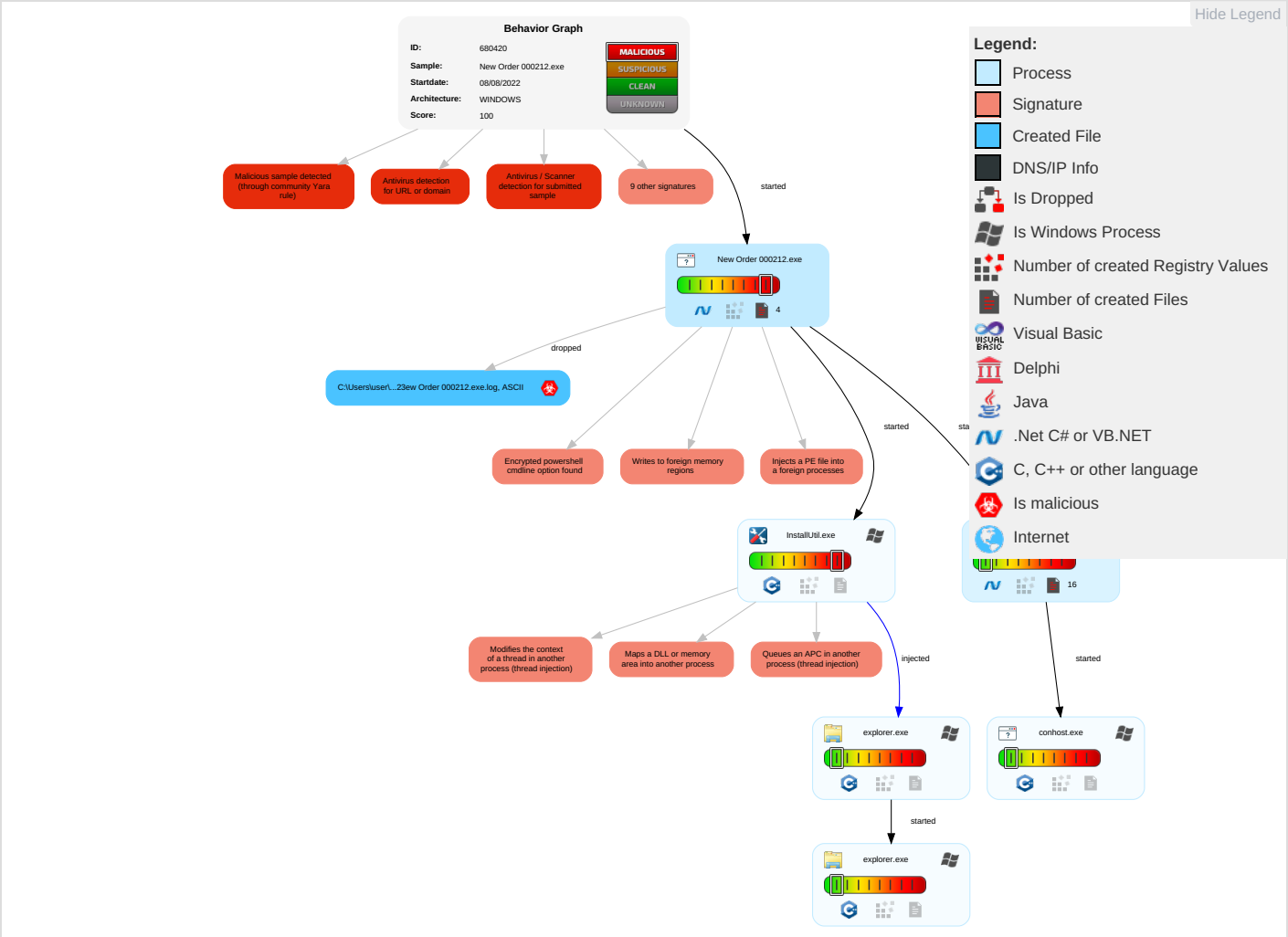


Yara detected FormBook

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects	Remote Service Effects	Impact
Valid Accounts	1 PowerShell	Path Interception	5 1 2 Process Injection	1 Masquerading	1 Input Capture	2 1 Security Software Discovery	Remote Services	1 Input Capture	Exfiltration Over Other Network Medium	1 Encrypted Channel	Eavesdrop on Insecure Network Communication	Remotely Track Device Without Authorization	Modify System Partition
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	1 Disable or Modify Tools	LSASS Memory	2 Process Discovery	Remote Desktop Protocol	1 Archive Collected Data	Exfiltration Over Bluetooth	1 Application Layer Protocol	Exploit SS7 to Redirect Phone Calls/SMS	Remotely Wipe Data Without Authorization	Device Lockout
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	3 1 Virtualization/Sandbox Evasion	Security Account Manager	3 1 Virtualization/Sandbox Evasion	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit SS7 to Track Device Location	Obtain Device Cloud Backups	Delete Device Data
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	5 1 2 Process Injection	NTDS	1 Application Window Discovery	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap		Carrier Billing Fraud
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	1 1 Deobfuscate/Decode Files or Information	LSA Secrets	1 File and Directory Discovery	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulate Device Communication		Manipulate App Store Rankings or Ratings
Replication Through Removable Media	Launchd	Rc.common	Rc.common	2 Obfuscated Files or Information	Cached Domain Credentials	1 2 System Information Discovery	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication	Jamming or Denial of Service		Abuse Accessibility Features
External Remote Services	Scheduled Task	Startup Items	Startup Items	1 1 Software Packing	DCSync	Network Sniffing	Windows Remote Management	Web Portal Capture	Exfiltration Over Alternative Protocol	Commonly Used Port	Rogue Wi-Fi Access Points		Data Encrypted for Impact

Behavior Graph





Antivirus, Machine Learning and Genetic Malware Detection

Initial Sample

Source	Detection	Scanner	Label	Link
New Order 000212.exe	35%	Virustotal		Browse
New Order 000212.exe	42%	ReversingLabs	ByteCode-MSIL.Trojan.Gen	
New Order 000212.exe	100%	Avira	TR/Crypt.XPACK.Gen7	
New Order 000212.exe	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
16.2.InstallUtil.exe.2f80000.1.unpack	100%	Avira	TR/Crypt.XPACK.Gen		Download File
16.0.InstallUtil.exe.400000.0.unpack	100%	Avira	TR/Crypt.ZPACK.Gen		Download File
0.0.New Order 000212.exe.6c0000.0.unpack	100%	Avira	TR/Crypt.XPACK.Gen7		Download File

Domains
No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://james.newtonking.com/projects/json	0%	URL Reputation	safe	
www.bitp0ker.com/ch0y/	1%	Virustotal		Browse
www.bitp0ker.com/ch0y/	100%	Avira URL Cloud	malware	

Domains and IPs
Contacted Domains
No contacted domains info

Contacted URLs			
Name	Malicious	Antivirus Detection	Reputation
www.bitp0ker.com/ch0y/	true	1%, Virustotal, Browse - Avira URL Cloud: malware	low

URLs from Memory and Binaries				
Name	Source	Malicious	Antivirus Detection	Reputation
http:// https://www.nuget.org/packages/Newtonsoft.Json.Bson	New Order 000212.exe, 00000000.00000002.371811220.0000000003F30000.00000004.0000800.00020000.00000000.sdmp, New Order 000212.exe, 00000000.00000002.390898687.000000009050000.00000004.08000000.00040000.00000000.sdmp	false		high
http://google.com	New Order 000212.exe, 00000000.00000000.240015200.00000000006C2000.00000002.00000001.01000000.00000003.sdmp, New Order 000212.exe, 00000000.00000002.367007188.000000002E31000.00000004.00000800.00020000.00000000.sdmp	false		high
http://james.newtonking.com/projects/json	New Order 000212.exe, 00000000.00000002.367648258.0000000002E7A000.00000004.0000800.00020000.00000000.sdmp, New Order 000212.exe, 00000000.00000002.369178934.000000002F50000.00000004.00000800.00020000.00000000.sdmp	false	URL Reputation: safe	unknown
http://https://www.newtonsoft.com/jsonschema	New Order 000212.exe, 00000000.00000002.371811220.0000000003F30000.00000004.0000800.00020000.00000000.sdmp, New Order 000212.exe, 00000000.00000002.390898687.000000009050000.00000004.08000000.00040000.00000000.sdmp	false		high

World Map of Contacted IPs
No contacted IP infos

General Information	
Joe Sandbox Version:	35.0.0 Citrine
Analysis ID:	680420
Start date and time: 08/08/202215:26:08	2022-08-08 15:26:08 +02:00
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 8m 36s
Hypervisor based Inspection enabled:	false
Report type:	light

Sample file name:	New Order 000212.exe
Cookbook file name:	default.jbs
Analysis system description:	Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211
Number of analysed new started processes analysed:	29
Number of new started drivers analysed:	0
Number of existing processes analysed:	0
Number of existing drivers analysed:	0
Number of injected processes analysed:	1
Technologies:	• HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal100.troj.evad.winEXE@7/6@0/0
EGA Information:	• Successful, ratio: 100%
HDC Information:	• Successful, ratio: 100% (good quality ratio 87.3%) • Quality average: 71.8% • Quality standard deviation: 33.2%
HCA Information:	• Successful, ratio: 96% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Found application associated with file extension: .exe • Adjust boot time • Enable AMSI

Warnings

- Exclude process from analysis (whitelisted): MpCmdRun.exe, BackgroundTransferHost.exe, backgroundTaskHost.exe, SgrmBroker.exe, conhost.exe, svchost.exe
- Excluded IPs from analysis (whitelisted): 23.211.6.115, 40.125.122.176, 52.242.101.226, 52.152.110.14, 20.223.24.244
- Excluded domains from analysis (whitelisted): www.bing.com, fs.microsoft.com, neu-displaycatalogrp.frontdoor.bigcatalog.commerce.microsoft.com, ctldl.windowsupdate.com, store-images.s-microsoft.com-c.edgekey.net, arc.msn.com, e12564.dspb.akamaiedge.net, rp-consumer-prod-displaycatalog-geomap.trafficmanager.net, login.live.com, store-images.s-microsoft.com, sls.update.microsoft.com, displaycatalog.mp.microsoft.com, img-prod-cms-rt-microsoft-com.akamaized.net, displaycatalog-rp.md.mp.microsoft.com.akadns.net, glb.sls.prod.dcat.dsp.trafficmanager.net
- Not all processes where analyzed, report is missing behavior information
- Report creation exceeded maximum time and may have missing disassembly code information.
- Report size getting too big, too many NtAllocateVirtualMemory calls found.
- Report size getting too big, too many NtOpenKeyEx calls found.
- Report size getting too big, too many NtProtectVirtualMemory calls found.
- Report size getting too big, too many NtQueryValueKey calls found.

Simulations

Behavior and APIs

Time	Type	Description
15:27:32	API Interceptor	41x Sleep call for process: powershell.exe modified

Joe Sandbox View / Context

IPs

 No context

Domains

 No context

ASNs

 No context

JA3 Fingerprints	
	No context

Dropped Files	
	No context

Created / dropped Files

C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\New Order 000212.exe.log 	
Process:	C:\Users\user\Desktop\New Order 000212.exe
File Type:	ASCII text, with CRLF line terminators
Category:	dropped
Size (bytes):	1537
Entropy (8bit):	5.3478589519339295
Encrypted:	false
SSDEEP:	48:MIHK5HKXE1qHiYHKhQnoPHoxHhAHKzvFHLHKdHKBqHKs:Pq5qXEwCYqhQnoPtlxHeqzNrqqd4qs
MD5:	F6D3657BD1FBFEF54E7F7BACB2497E327
SHA1:	A0A712015C242DCC28B69CDF567F594627C9CFA0
SHA-256:	5B16B4A3E65F04484B12171163A2A739409FA7F8C3D69BF9BAD961618D973301
SHA-512:	0231195A111259A3AA48526DCBEA98394099794C710C3FB8E0E12E2B4D30C60FB4064F7F4F671866FB0D94585E23B73C1270440242B25DA60CCFFA82B0B74306
Malicious:	true
Reputation:	moderate, very likely benign file
Preview:	1,"fusion","GAC",0..1,"WinRT","NotApp",1..2,"System.Windows.Forms, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"System, Ve rsion=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System\4f0a7eefa3cd3e0ba98b5ebddbbc72 e6\System.ni.dll",0..2,"System.Drawing, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a",0..3,"System.Core, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\fd8480152e0da9a60ad49c6d16a3b6d\System.Core.ni .dll",0..3,"System.Configuration, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a","C:\Windows\assembly\NativeImages_v4.0.30319_32\S ystem.Configuration\8d67d92724ba494b6c7fd089d6f25b48\System.Configuration.ni.dll",0..3,"System.Xml, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b 77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\fb219d4630d26b88041b59c21

C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\ModuleAnalysisCache	
Process:	C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe
File Type:	data
Category:	dropped
Size (bytes):	5829
Entropy (8bit):	4.8968676994158
Encrypted:	false
SSDEEP:	96:WCJ2Woe5o2k6Lm5emmXIGvgyg12jDs+un/iQLEYFjDaeWJ6KGcmXx9smyFRLcU6f:5xoe5oVsm5emd0gkjDt4iWN3yBGHh9s6
MD5:	36DE9155D6C265A1DE62A448F3B5B66E
SHA1:	02D21946CBDD01860A0DE38D7EEC6CDE3A964FC3
SHA-256:	8BA38D55AA8F1E4F959E7223FDF653ABB9BE5B8B5DE9D116604E1ABB371C1C87
SHA-512:	C734ADE161FB89472B1DF9B9F062F4A53E7010D3FF99EDC0BD564540A56BC35743625C50A00635C31D165A74DCDBB330FFB878C5919D7B267F6F33D2AAB328F 7
Malicious:	false
Reputation:	high, very likely benign file
Preview:	PSMODULECACHE.....<.e...Y...C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PowerShellGet.psd1.....Uninstall-Module.....Inmo..... ..fimo.....Install-Module.....New-ScriptFileInfo.....Publish-Module.....Install-Script.....Update-Script.....Find-Command.....Update-ModuleManifest.....Find- DscResource.....Save-Module.....Save-Script.....upmo.....Uninstall-Script.....Get-InstalledScript.....Update-Module.....Register-PSRepository.....Find-Scri pt.....Unregister-PSRepository.....pumo.....Test-ScriptFileInfo.....Update-ScriptFileInfo.....Set-PSRepository.....Get-PSRepository.....Get-InstalledModule.....Find-Module.....Find-RoleCapability.....Publish-Script.....<.e...T...C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1*..Install-Script.....Save-Module.....Publish-Module.....Find-Module.....Download-Package.....Update-Module....

C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StartupProfileData-NonInteractive	
Process:	C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe
File Type:	data
Category:	dropped
Size (bytes):	17292
Entropy (8bit):	5.549929502421075

Encrypted:	false
SSDEEP:	384:rt9/O0TZSI6KQxAS0n2js9F7Y9g6SJ3k111JqYd:DPHQOT2o9N6ckjld
MD5:	6B472317CDF95E79A0EC70654C5100EE
SHA1:	B0F9655B3CE430F88B6332058860FF2F7024304E
SHA-256:	ADA11F0D8E620C3C369251D1DAFD96928ED72C8EC936EFE9E68693748B0C6E97
SHA-512:	7B9B0E851ED2F298D0A1A92B30D98A1CE8991D0FF3A8B0CD454B299B2B16AB588736939883EDF864C948949A7B1B71569D2AE20F6B764973562E7878630DF862
Malicious:	false
Reputation:	low
Preview:	@...e.....F...f.....@.....H.....<@.^L."My...'.....Microsoft.PowerShell.ConsoleHostD.....fZve...F....x.)h.....System.Management.Automati on4.....[...{a.C..%6..h.....System.Core.0.....G-.o...A...4B.....System..4.....Zg5..:O..g..q.....System.Xml..L.....7.....J@.....~.....#.Microso ft.Management.Infrastructure.8.....'.....L..}.....System.Numerics.@.....Lo...QN.....<Q.....System.DirectoryServices<.....H..QN.Y.f.....Syste m.Management..4.....}.D.E.....#.....System.Data.H.....H..m)aUu.....Microsoft.PowerShell.Security...<.....~.[L.D.Z.>..m.....System.Trans actions.<.....):gK..G...\$.1.q.....System.ConfigurationP...../C..J..%...]......%Microsoft.PowerShell.Commands.Utility...D.....-D.F.<;.nt.1.....Sy stem.Configuration.Ins

C:\Users\user\AppData\Local\Temp_PSScriptPolicyTest_2pz5sadz.0kr.psm1	
Process:	C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe
File Type:	very short file (no magic)
Category:	dropped
Size (bytes):	1
Entropy (8bit):	0.0
Encrypted:	false
SSDEEP:	3:U:U
MD5:	C4CA4238A0B923820DCC509A6F75849B
SHA1:	356A192B7913B04C54574D18C28D46E6395428AB
SHA-256:	6B86B273FF34FCE19D6B804EFF5A3F5747ADA4EAA22F1D49C01E52DDB7875B4B
SHA-512:	4DFF4EA340F0A823F15D3F4F01AB62EAE0E5DA579CCB851F8DB9DFE84C58B2B37B89903A740E1EE172DA793A6E79D560E5F7F9BD058A12A280433ED6FA4651 0A
Malicious:	false
Preview:	1

C:\Users\user\AppData\Local\Temp_PSScriptPolicyTest_hhwx0ezb.tco.ps1	
Process:	C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe
File Type:	very short file (no magic)
Category:	dropped
Size (bytes):	1
Entropy (8bit):	0.0
Encrypted:	false
SSDEEP:	3:U:U
MD5:	C4CA4238A0B923820DCC509A6F75849B
SHA1:	356A192B7913B04C54574D18C28D46E6395428AB
SHA-256:	6B86B273FF34FCE19D6B804EFF5A3F5747ADA4EAA22F1D49C01E52DDB7875B4B
SHA-512:	4DFF4EA340F0A823F15D3F4F01AB62EAE0E5DA579CCB851F8DB9DFE84C58B2B37B89903A740E1EE172DA793A6E79D560E5F7F9BD058A12A280433ED6FA4651 0A
Malicious:	false
Preview:	1

C:\Users\user\Documents\20220808\PowerShell_transcript.472847.ilae6BhB.20220808152730.txt	
Process:	C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe
File Type:	UTF-8 Unicode (with BOM) text, with CRLF line terminators
Category:	dropped
Size (bytes):	997
Entropy (8bit):	5.187722648651258
Encrypted:	false
SSDEEP:	24:BxSAQxvBnAx2DOXUWjxo3WUHjeTKKjX4Clym1ZJX2bnxSAZD:BZUvhAoODUqDYB1ZAZZD
MD5:	067F9236BA00C43066C65FD9858E46C7
SHA1:	73E0ED9B5DE2D6094DCCE4E210145C6EF50B4516
SHA-256:	C8007A5212125F4C54A0C429B093DC94206C13AB28FEFD32FBF0C36F378CF037
SHA-512:	AF3B7508857F4270C426837D92CF83EC3B7E388FC0AEFDFCFA33CEDEFFE4E3BA184E6CC121C892A52ABB02F7E8927C76694454BE6809748BAD1804269FB1E7 F3
Malicious:	false

Preview:	.*****.Windows PowerShell transcript start..Start time: 20220808152732..Username: computer\user..RunAs User: computer\user..Configuration Name: ..Machine: 472847 (Microsoft Windows NT 10.0.17134.0)..Host Application: C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe -enc UwB0AGEAcgB0 AC0AUwBsAGUAZQBwACAALQBTAGUAYwBvAG4AZABzACAAMgAwAA==..Process ID: 3360..PSVersion: 5.1.17134.1..PSEdition: Desktop..PSCompatibleVersions: 1.0, 2.0, 3.0, 4.0, 5.0, 5.1.17134.1..BuildVersion: 10.0.17134.1..CLRVersion: 4.0.30319.42000..WSManStackVersion: 3.0..PSRemotingProtocolVersion: 2.3..Serializati onVersion: 1.1.0.1..*****.*****.Command start time: 20220808152732..*****.PS>Start-Sleep -Seconds 20..***** *****..Command start time: 20220808153254..*****.PS>\$global:?..True..*****.Windows PowerShell transcript end..End time: 2 0220808153254..*****.
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Static File Info	
General	
File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
Entropy (8bit):	7.083057901296718
TrID:	- Win32 Executable (generic) Net Framework (10011505/4) 49.83% - Win32 Executable (generic) a (10002005/4) 49.78% - Generic CIL Executable (.NET, Mono, etc.) (73296/58) 0.36% - Generic Win/DOS Executable (2004/3) 0.01% - DOS Executable Generic (2002/1) 0.01%
File name:	New Order 000212.exe
File size:	2097664
MD5:	989e8988e2ed04a3e86a6faf2727c00f
SHA1:	6a5397ef11996176e5c5ec5b94004591a77208e5
SHA256:	c19a3d6f7af18f9fae141a7234341d0bf8e1038638c13a625194eb3fece6a540
SHA512:	50f596a7fd926a0d5144546c2bda255aae5aae57db4daa82463e760a89fd490601601da35ed3b480149fde1e9efecb9a92c9686a8de037050440201601b3c5d
SSDEEP:	49152:YLPt5dsLNzogcDK8U7BgpUrXbA3tDzWNx:26bcDugpSrYD
TLSH:	91A54ACB3E97092260AB0AFFC9127B62DCF457C49D50B2C15179EAB0581BF4FB50B16A
File Content Preview:	MZ.....@.....!..L.!This program cannot be run in DOS mode....\$.....PE..L... t.b.....0.....^.....~.....@..`.....@.....

File Icon	
	
Icon Hash:	b6acfaac9a535b9a

Static PE Info	
General	
Entrypoint:	0x5fc17e
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	EXECUTABLE_IMAGE, 32BIT_MACHINE
DLL Characteristics:	DYNAMIC_BASE, NX_COMPAT, NO_SEH, TERMINAL_SERVER_AWARE
Time Stamp:	0x62F07420 [Mon Aug 8 02:25:36 2022 UTC]
TLS Callbacks:	
CLR (.Net) Version:	
OS Version Major:	4
OS Version Minor:	0
File Version Major:	4
File Version Minor:	0
Subsystem Version Major:	4
Subsystem Version Minor:	0
Import Hash:	f34d5f2d4577ed6d9ceec516c1f5a744

Entrypoint Preview	
Instruction	
jmp dword ptr [00402000h]	
add byte ptr [eax], al	
add byte ptr [eax], al	

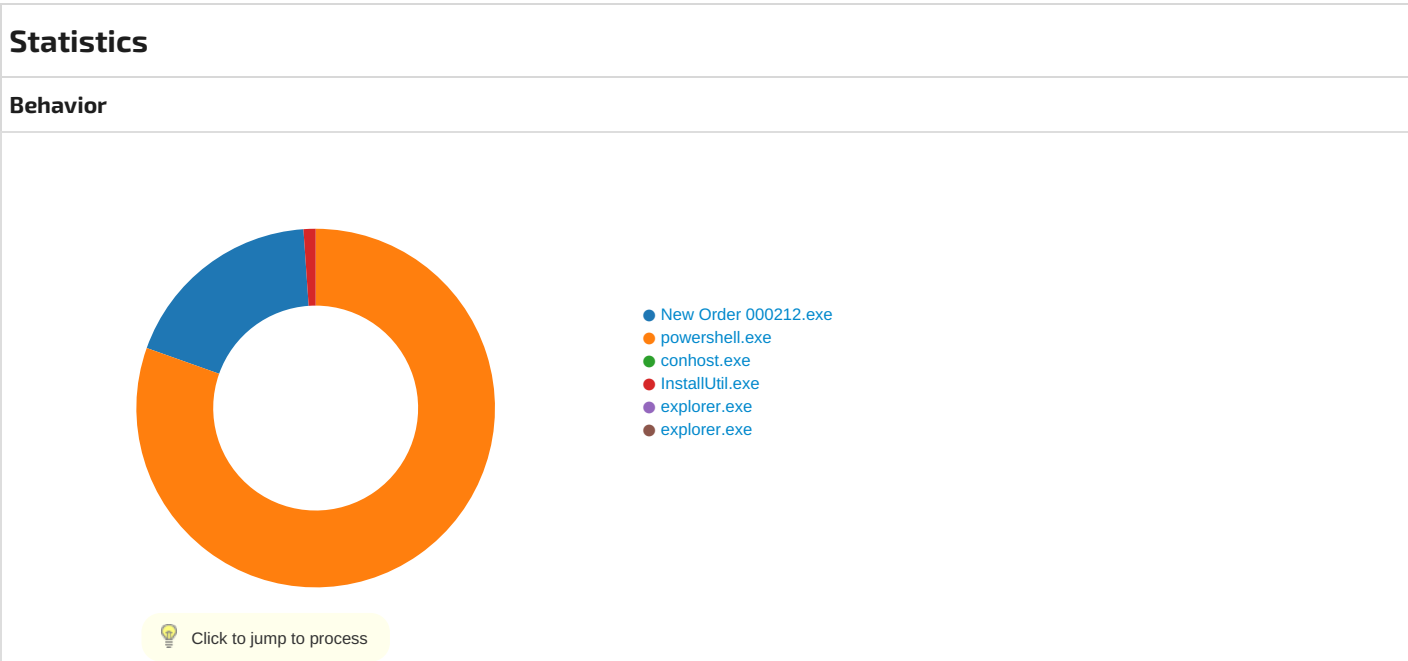
Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x2000	0x1fa184	0x1fa200	unknown	unknown	unknown	unknown	IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_MEM_READ
.rsrc	0x1fe000	0x5c00	0x5c00	False	0.9403447690217391	data	7.815329450100946	IMAGE_SCN_CNT_INITIALIZE_D_DATA, IMAGE_SCN_MEM_READ
.reloc	0x204000	0xc	0x200	False	0.044921875	data	0.10191042566270775	IMAGE_SCN_CNT_INITIALIZE_D_DATA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ

Resources					
Name	RVA	Size	Type	Language	Country
RT_ICON	0x1fe160	0x430	PNG image data, 16 x 16, 8-bit/color RGBA, non-interlaced		
RT_ICON	0x1fe5a0	0xac8	PNG image data, 32 x 32, 8-bit/color RGBA, non-interlaced		
RT_ICON	0x1ff078	0x124f	PNG image data, 48 x 48, 8-bit/color RGBA, non-interlaced		
RT_ICON	0x2002d8	0x32c0	PNG image data, 128 x 128, 8-bit/color RGBA, non-interlaced		
RT_GROUP_ICON	0x2035a8	0x3e	data		
RT_VERSION	0x2035f8	0x374	data		
RT_MANIFEST	0x20397c	0x1ea	XML 1.0 document, UTF-8 Unicode (with BOM) text, with CRLF line terminators		

Imports	
DLL	Import
mscoree.dll	_CorExeMain

Network Behavior

 No network behavior found



System Behavior

Analysis Process: New Order 000212.exe PID: 5020, Parent PID: 5276

General

Target ID:	0
Start time:	15:27:06
Start date:	08/08/2022
Path:	C:\Users\user\Desktop\New Order 000212.exe
Wow64 process (32bit):	true
Commandline:	"C:\Users\user\Desktop\New Order 000212.exe"
Imagebase:	0x6c0000
File size:	2097664 bytes
MD5 hash:	989E8988E2ED04A3E86A6FAF2727C00F
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Yara matches:	- Rule: Windows_Trojan_Formbook_1112e116, Description: unknown, Source: 00000000.00000002.368882478.0000000002F24000.00000004.00000800.00020000.00000000.sdmp, Author: unknown - Rule: JoeSecurity_FormBook, Description: Yara detected FormBook, Source: 00000000.00000002.370454504.0000000003E31000.00000004.00000800.00020000.00000000.sdmp, Author: Joe Security - Rule: Windows_Trojan_Formbook_1112e116, Description: unknown, Source: 00000000.00000002.370454504.0000000003E31000.00000004.00000800.00020000.00000000.sdmp, Author: unknown - Rule: Formbook_1, Description: autogenerated rule brought to you by yara-signator, Source: 00000000.00000002.370454504.0000000003E31000.00000004.00000800.00020000.00000000.sdmp, Author: Felix Bilstein - yara-signator at cocacoding dot com - Rule: Formbook, Description: detect Formbook in memory, Source: 00000000.00000002.370454504.0000000003E31000.00000004.00000800.00020000.00000000.sdmp, Author: JPCERT/CC Incident Response Group - Rule: JoeSecurity_FormBook, Description: Yara detected FormBook, Source: 00000000.00000002.371811220.0000000003F30000.00000004.00000800.00020000.00000000.sdmp, Author: Joe Security - Rule: Windows_Trojan_Formbook_1112e116, Description: unknown, Source: 00000000.00000002.371811220.0000000003F30000.00000004.00000800.00020000.00000000.sdmp, Author: unknown - Rule: Formbook_1, Description: autogenerated rule brought to you by yara-signator, Source: 00000000.00000002.371811220.0000000003F30000.00000004.00000800.00020000.00000000.sdmp, Author: Felix Bilstein - yara-signator at cocacoding dot com - Rule: Formbook, Description: detect Formbook in memory, Source: 00000000.00000002.371811220.0000000003F30000.00000004.00000800.00020000.00000000.sdmp, Author: JPCERT/CC Incident Response Group - Rule: JoeSecurity_GenericDownloader_1, Description: Yara detected Generic Downloader, Source: 00000000.00000002.390898687.0000000009050000.00000004.08000000.00040000.00000000.sdmp, Author: Joe Security
Reputation:	low

File Activities

File Created

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol
C:\Users\user	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	6CFFCF06	unknown
C:\Users\user\AppData\Roaming	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	6CFFCF06	unknown
C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\New Order 000212.exe.log	read attributes synchronize generic write	device	synchronous io non alert non directory file	success or wait	1	6D30C78D	CreateFileW

File Written

File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
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File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Microsof\CLR_v4.0_32\UsageLogs\New Order 000212.exe.log	0	1537	31 2c 22 66 75 73 69 6f 6e 22 2c 22 47 41 43 22 2c 30 0d 0a 31 2c 22 57 69 6e 52 54 22 2c 22 4e 6f 74 41 70 70 22 2c 31 0d 0a 32 2c 22 53 79 73 74 65 6d 2e 57 69 6e 64 6f 77 73 2e 46 6f 72 6d 73 2c 20 56 65 72 73 69 6f 6e 3d 34 2e 30 2e 30 2e 30 2c 20 43 75 6c 74 75 72 65 3d 6e 65 75 74 72 61 6c 2c 20 50 75 62 6c 69 63 4b 65 79 54 6f 6b 65 6e 3d 62 37 37 61 35 63 35 36 31 39 33 34 65 30 38 39 22 2c 30 0d 0a 33 2c 22 53 79 73 74 65 6d 2c 20 56 65 72 73 69 6f 6e 3d 34 2e 30 2e 30 2e 30 2c 20 43 75 6c 74 75 72 65 3d 6e 65 75 74 72 61 6c 2c 20 50 75 62 6c 69 63 4b 65 79 54 6f 6b 65 6e 3d 62 37 37 61 35 63 35 36 31 39 33 34 65 30 38 39 22 2c 22 43 3a 5c 57 69 6e 64 6f 77 73 5c 61 73 73 65 6d 62 6c 79 5c 4e 61 74 69 76 65 49 6d 61 67 65 73 5f 76 34 2e 30 2e 33	1,"fusion","GAC",01,"WinRT","N otApp",12,"System.Windows.Forms, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",03,"System, Version=4.0.0.0, Culture=neutral, Publ icKeyToken=b77a5c561934e089";" C:\Windows\assembly\NativeImages_v4.0.3	success or wait	1	6D30C907	WriteFile

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	6CFD5705	unknown	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	6135	success or wait	1	6CFD5705	unknown	
C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorlib.a152fe02a317a77ae4ee36903305e8ba6\mscorlib.ni.dll.aux	unknown	176	success or wait	1	6CF303DE	ReadFile	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4095	success or wait	1	6CFDCA54	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.4f0a7eefaf3cd3e0ba98b5ebddbcb72e6\System.ni.dll.aux	unknown	620	success or wait	1	6CF303DE	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core.f1d8480152e0da9a60ad49c6d16a3b6d\System.Core.ni.dll.aux	unknown	900	success or wait	1	6CF303DE	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration.8d67d92724ba494b6c7fd089d6f25b48\System.Configuration.ni.dll.aux	unknown	864	success or wait	1	6CF303DE	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml.b219d4630d26b88041b59c21e8e2b95c\System.Xml.ni.dll.aux	unknown	748	success or wait	1	6CF303DE	ReadFile	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4095	success or wait	1	6CFD5705	unknown	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	8171	end of file	1	6CFD5705	unknown	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4096	success or wait	1	6BE41B4F	ReadFile	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4096	end of file	1	6BE41B4F	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Runtime.92aa12#34957343ad5d84daee97a1affda91665\System.Runtime.Serialization.ni.dll.aux	unknown	1100	success or wait	1	6CF303DE	ReadFile	

Analysis Process: powershell.exe PID: 3360, Parent PID: 5020	
General	
Target ID:	4
Start time:	15:27:29
Start date:	08/08/2022
Path:	C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe
Wow64 process (32bit):	true
Commandline:	"C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe" -enc UwB0AGEAcbB0AC0AUwBsAGUAZQBwACAALQBTAGUAYwBvAG4AZABzACAAMgAwAA==
Imagebase:	0xfc0000
File size:	430592 bytes
MD5 hash:	DBA3E6449E97D4E3DF64527EF7012A10
Has elevated privileges:	true

Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Reputation:	high

File Activities

File Created

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol
C:\Users\user	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	6CFFCF06	unknown
C:\Users\user\AppData\Roaming	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	object name collision	1	6CFFCF06	unknown
C:\Users\user\AppData\Local\Temp__PSscripPolicyTest_hhwx0ezb.tco.ps1	read attributes synchronize generic write	device	sequential only synchronous io non alert non directory file open no recall	success or wait	1	6BE41E60	CreateFileW
C:\Users\user\AppData\Local\Temp__PSscripPolicyTest_2pz5sadz.0kr.psm1	read attributes synchronize generic write	device	sequential only synchronous io non alert non directory file open no recall	success or wait	1	6BE41E60	CreateFileW
C:\Users\user\Documents\20220808	read data or list directory synchronize	device	directory file synchronous io non alert open for backup ident open reparse point	success or wait	1	6BE4BEFF	CreateDirectoryW
C:\Users\user\Documents\20220808\PowerShell_transcript.472847.ilae6BhB.20220808152730.txt	read attributes synchronize generic read generic write	device	synchronous io non alert non directory file open no recall	success or wait	1	6BE41E60	CreateFileW
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\ModuleAnalysisCache	read attributes synchronize generic read generic write	device	synchronous io non alert non directory file open no recall	success or wait	1	6BE41E60	CreateFileW

File Deleted

File Path	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Temp__PSscriptPolicyTest_hhwx0ezb.tco.ps1	success or wait	1	6BE46A95	DeleteFileW
C:\Users\user\AppData\Local\Temp__PSscriptPolicyTest_2pz5sadz.0kr.psm1	success or wait	1	6BE46A95	DeleteFileW

File Written

File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Temp__PSscripPolicyTest_hhwx0ezb.tco.ps1	0	1	31	1	success or wait	1	6BE41B4F	WriteFile
C:\Users\user\AppData\Local\Temp__PSscripPolicyTest_2pz5sadz.0kr.psm1	0	1	31	1	success or wait	1	6BE41B4F	WriteFile
C:\Users\user\Documents\20220808\PowerShell_transcript.472847.ilae6BhB.20220808152730.txt	0	3	ff		success or wait	1	6BE41B4F	WriteFile

File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\ModuleAnalysisCache	4096	1733	00 0a 00 00 00 47 65 74 2d 52 61 6e 64 6f 6d 08 00 00 00 03 00 00 00 43 46 53 01 00 00 00 0a 00 00 00 4f 75 74 2d 53 74 72 69 6e 67 08 00 00 00 0e 00 00 00 57 72 69 74 65 2d 50 72 6f 67 72 65 73 73 08 00 00 00 14 00 00 00 44 69 73 61 62 6c 65 2d 50 53 42 72 65 61 6b 70 6f 69 6e 74 08 00 00 00 11 00 00 00 55 70 64 61 74 65 2d 46 6f 72 6d 61 74 44 61 74 61 08 00 00 00 11 00 00 00 57 72 69 74 65 2d 49 6e 66 6f 72 6d 61 74 69 6f 6e 08 00 00 00 0d 00 00 00 43 6f 6e 76 65 72 74 54 6f 2d 58 6d 6c 08 00 00 00 0c 00 00 00 53 65 74 2d 56 61 72 69 61 62 6c 65 08 00 00 00 0b 00 00 00 4f 75 74 2d 50 72 69 6e 74 65 72 08 00 00 00 fd fd fd fd 79 48 fd 38 9f fd 08 49 00 00 00 43 3a 5c 50 72 6f 67 72 61 6d 20 46 69 6c 65 73 20 28 78 38 36 29 5c 57 69 6e 64 6f 77 73 50	Get-RandomCFSOut-StringWrite-ProgressDisable-PSBreakpointUpdate-FormatDataWrite-InformationConvertTo-XmlSet-VariableOut-PrinterYH8IC:\Program Files (x86)\WindowsP	success or wait	1	6BE41B4F	WriteFile
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StartupProfileData-NonInteractive	0	64	40 00 00 01 65 00 00 00 00 00 00 00 0f 00 00 00 fd 0f 00 00 14 00 00 00 fd 11 7c 05 1b 0c 0e 0c fd 09 00 00 46 00 fd 00 17 00 66 11 00 00 00 00 00 00 00 00 04 40 00 fd 00 00 00 00 00 00 00 00	@e Ff@	success or wait	1	6D2C76FC	WriteFile
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StartupProfileData-NonInteractive	64	40	48 00 00 02 03 00 00 00 00 00 00 00 01 00 00 00 3c 40 fd 5e 7f 4c fd 22 4d 79 fd fd fd 3a 27 00 00 00 0e 00 20 00	H<@^L"My:'	success or wait	15	6D2C76FC	WriteFile
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StartupProfileData-NonInteractive	104	32	4d 69 63 72 6f 73 6f 66 74 2e 50 6f 77 65 72 53 68 65 6c 6c 2e 43 6f 6e 73 6f 6c 65 48 6f 73 74	Microsoft.PowerShell.ConsoleHost	success or wait	15	6D2C76FC	WriteFile
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StartupProfileData-NonInteractive	255	1	00		success or wait	10	6D2C76FC	WriteFile
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StartupProfileData-NonInteractive	1004	4	00 08 00 03		success or wait	8	6D2C76FC	WriteFile

File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StarterProfileData-NonInteractive	1008	2044	00 0e fd 00 01 0e fd 00 02 0e fd 00 03 0e fd 00 04 0e fd 00 05 0e fd 00 06 0e fd 00 07 0e fd 00 08 0e fd 00 54 01 40 00 fd 3e 40 01 12 6f 40 01 2a 29 40 01 1f 29 40 01 4d 64 40 01 5d 64 40 01 4e 64 40 01 fd 00 40 00 56 01 40 00 fd 29 40 01 48 01 40 00 58 01 40 00 fd 29 40 01 5b 01 40 00 4e 54 40 01 48 54 40 01 fd 53 40 01 fd 53 40 01 68 54 40 01 fd 53 40 01 fd 53 40 01 fd 53 40 01 5c 01 40 00 23 29 40 01 00 54 40 01 5c 64 40 01 5a 64 40 01 02 54 40 01 5b 64 40 01 40 58 40 01 3f 58 40 01 1c 54 40 01 fd 53 40 01 fd 53 40 01 1e 54 40 01 19 54 40 01 78 54 40 01 7a 54 40 01 fd 54 40 01 3d 4d 40 01 44 4d 40 01 3a 4d 40 01 22 4d 40 01 20 4d 40 01 21 4d 40 01 3b 4d 40 01 fd 44 40 01 fd 44 40 01 40 4d 40 01 09 0c fd 00 58 64 40 01 56 64 40 01 fd 2a 40 01 3c 4d 40	T@>@o@*)@)@Md@d @Nd@@V@)@H@X@) @[@NT@HT@S@S@h T@S@S@S@\'@#)@T @\ d@Zd@T@[d@@X@? X@T@S@S@T@T@xT @z T@T@=M@DM@:M@" M@ M@'M@:M@D@D@@ M@Xd@Vd@*@@<M@	success or wait	8	6D2C76FC	WriteFile

File Read							
File Path	Offset	Length	Completion	Count	Source Address	Symbol	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	4095	success or wait	1	6CFD5705	unknown	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	8173	end of file	1	6CFD5705	unknown	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4095	success or wait	1	6CFD5705	unknown	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	6135	success or wait	1	6CFD5705	unknown	
C:\Windows\assembly\NativeImages_v4.0.30319_32\mscorliba152fe02a317a77aeec36903305e8ba6\mscorlib.ni.dll.aux	unknown	176	success or wait	1	6CF303DE	ReadFile	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	4095	success or wait	1	6CFDCA54	ReadFile	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	8173	end of file	1	6CFDCA54	ReadFile	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4095	success or wait	1	6CFDCA54	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\1d8480152e0da9a60ad49c6d16a3b6d\System.Core.ni.dll.aux	unknown	900	success or wait	1	6CF303DE	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System\4f0a7eefa3cd3e0ba98b5ebddbbc72e6\System.ni.dll.aux	unknown	620	success or wait	1	6CF303DE	ReadFile	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	4095	success or wait	1	6CFD5705	unknown	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	8173	end of file	1	6CFD5705	unknown	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	4095	success or wait	1	6CFD5705	unknown	
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	8173	end of file	1	6CFD5705	unknown	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\b219d4630d26b88041b59c21e8e2b95c\System.Xml.ni.dll.aux	unknown	748	success or wait	1	6CF303DE	ReadFile	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4095	success or wait	1	6CFD5705	unknown	
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	8171	end of file	1	6CFD5705	unknown	
C:\Windows\assembly\NativeImages_v4.0.30319_32\Microsoft.Mf49f6405#ccc7c82770f93d1392abde4be3a80378\Microsoft.Management.Infrastructure.ni.dll.aux	unknown	748	success or wait	1	6CF303DE	ReadFile	
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StarterProfileData-NonInteractive	unknown	64	success or wait	1	6CFE1F73	ReadFile	
C:\Users\user\AppData\Local\Microsoft\Windows\PowerShell\StarterProfileData-NonInteractive	unknown	22396	success or wait	1	6CFE203F	ReadFile	
C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\8d67d92724ba494b6c7fd089d6f25b48\System.Configuration.ni.dll.aux	unknown	864	success or wait	1	6CF303DE	ReadFile	
C:\Program Files (x86)\WindowsPowerShell\Modules\Microsoft.PowerShell.Operation.Validation\1.0.1\Microsoft.PowerShell.Operation.Validation.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile	
C:\Program Files (x86)\WindowsPowerShell\Modules\Microsoft.PowerShell.Operation.Validation\1.0.1\Microsoft.PowerShell.Operation.Validation.psd1	unknown	492	end of file	1	6BE41B4F	ReadFile	
C:\Program Files (x86)\WindowsPowerShell\Modules\Microsoft.PowerShell.Operation.Validation\1.0.1\Microsoft.PowerShell.Operation.Validation.psd1	unknown	4096	end of file	1	6BE41B4F	ReadFile	

File Path	Offset	Length	Completion	Count	Source Address	Symbol
C:\Program Files (x86)\WindowsPowerShell\Modules\PackageManagement\1.0.0.1\PackageManagement.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PackageManagement\1.0.0.1\PackageManagement.psd1	unknown	774	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PackageManagement\1.0.0.1\PackageManagement.psd1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\Pester\3.4.0\Pester.psd1	unknown	4096	success or wait	2	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\Pester\3.4.0\Pester.psd1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\Pester\3.4.0\Pester.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\Pester\3.4.0\Pester.psd1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\Pester\3.4.0\Pester.psm1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\Pester\3.4.0\Pester.psm1	unknown	682	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PowerShellGet.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PowerShellGet.psd1	unknown	289	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PowerShellGet.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PowerShellGet.psd1	unknown	289	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PowerShellGet.psd1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1	unknown	4096	success or wait	122	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1	unknown	993	end of file	1	6BE41B4F	ReadFile
C:\Program Files (x86)\WindowsPowerShell\Modules\PowerShellGet\1.0.0.1\PSModule.psm1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psd1	unknown	637	end of file	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psd1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psd1	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psd1	unknown	637	end of file	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psm1	unknown	4096	success or wait	8	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psm1	unknown	128	end of file	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\Modules\Microsoft.PowerShell.Utility\Microsoft.PowerShell.Utility.psm1	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Windows\Microsoft.NET\Framework\v4.0.30319\Config\machine.config	unknown	4096	end of file	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	4096	success or wait	1	6BE41B4F	ReadFile
C:\Windows\SysWOW64\WindowsPowerShell\v1.0\powershell.exe.config	unknown	4096	end of file	1	6BE41B4F	ReadFile

Analysis Process: conhost.exe PID: 5516, Parent PID: 3360	
General	
Target ID:	5
Start time:	15:27:30
Start date:	08/08/2022
Path:	C:\Windows\System32\conhost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\system32\conhost.exe 0xffffffff -ForceV1
Imagebase:	0x7ff7c9170000
File size:	625664 bytes

MD5 hash:	EA777DEEA782E8B4D7C7C33BBF8A4496
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Analysis Process: InstallUtil.exe PID: 6444, Parent PID: 5020

General	
Target ID:	16
Start time:	15:28:02
Start date:	08/08/2022
Path:	C:\Windows\Microsoft.NET\Framework\v4.0.30319\InstallUtil.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\Microsoft.NET\Framework\v4.0.30319\InstallUtil.exe
Imagebase:	0x610000
File size:	41064 bytes
MD5 hash:	EFEC8C379D165E3F33B536739AEE26A3
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Yara matches:	- Rule: JoeSecurity_FormBook, Description: Yara detected FormBook, Source: 00000010.00000000.360788700.0000000000401000.00000040.00000400.00020000.00000000.sdmp, Author: Joe Security - Rule: Windows_Trojan_Formbook_1112e116, Description: unknown, Source: 00000010.00000000.360788700.0000000000401000.00000040.00000400.00020000.00000000.sdmp, Author: unknown - Rule: Formbook_1, Description: autogenerated rule brought to you by yara-signator, Source: 00000010.00000000.360788700.0000000000401000.00000040.00000400.00020000.00000000.sdmp, Author: Felix Bilstein - yara-signator at cocacoding dot com - Rule: Formbook, Description: detect Formbook in memory, Source: 00000010.00000000.360788700.0000000000401000.00000040.00000400.00020000.00000000.sdmp, Author: JPCERT/CC Incident Response Group
Reputation:	high

File Activities

File Read						
File Path	Offset	Length	Completion	Count	Source Address	Symbol
C:\Windows\SysWOW64\ntdll.dll	0	1622408	success or wait	1	41AE57	NtReadFile

Analysis Process: explorer.exe PID: 3968, Parent PID: 6444

General	
Target ID:	18
Start time:	15:28:07
Start date:	08/08/2022
Path:	C:\Windows\explorer.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\Explorer.EXE
Imagebase:	0x7ff6b8cf0000
File size:	3933184 bytes
MD5 hash:	AD5296B280E8F522A8A897C96BAB0E1D
Has elevated privileges:	false
Has administrator privileges:	false
Programmed in:	C, C++ or other language

Yara matches:	• Rule: JoeSecurity_FormBook, Description: Yara detected FormBook, Source: 00000012.00000000.437480635.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: Joe Security • Rule: Windows_Trojan_Formbook_1112e116, Description: unknown, Source: 00000012.00000000.437480635.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: unknown • Rule: Formbook_1, Description: autogenerated rule brought to you by yara-signator, Source: 00000012.00000000.437480635.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: Felix Bilstein - yara-signator at cocacoding dot com • Rule: Formbook, Description: detect Formbook in memory, Source: 00000012.00000000.437480635.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: JPCERT/CC Incident Response Group • Rule: JoeSecurity_FormBook, Description: Yara detected FormBook, Source: 00000012.00000000.455452421.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: Joe Security • Rule: Windows_Trojan_Formbook_1112e116, Description: unknown, Source: 00000012.00000000.455452421.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: unknown • Rule: Formbook_1, Description: autogenerated rule brought to you by yara-signator, Source: 00000012.00000000.455452421.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: Felix Bilstein - yara-signator at cocacoding dot com • Rule: Formbook, Description: detect Formbook in memory, Source: 00000012.00000000.455452421.00000000074AC000.00000040.00000001.00040000.00000000.sdmp, Author: JPCERT/CC Incident Response Group
Reputation:	high

Analysis Process: explorer.exe PID: 4504, Parent PID: 3968

General

Target ID:	27
Start time:	15:29:01
Start date:	08/08/2022
Path:	C:\Windows\SysWOW64\explorer.exe
Wow64 process (32bit):	
Commandline:	C:\Windows\SysWOW64\explorer.exe
Imagebase:	
File size:	3611360 bytes
MD5 hash:	166AB1B9462E5C1D6D18EC5EC0B6A5F7
Has elevated privileges:	false
Has administrator privileges:	false
Programmed in:	C, C++ or other language
Reputation:	high

Disassembly

 No disassembly