ID: 659479
Sample Name: zJ2b57acTF.xlsx
Cookbook:
defaultwindowsofficecookbook.jbs
Time: 08:34:09
Date: 08/07/2022
Version: 35.0.0 Citrine

Table of Contents

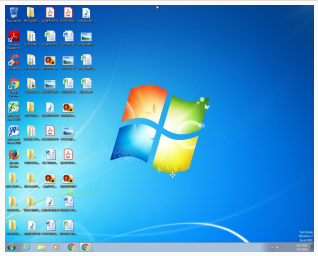
Windows Analysis Report

zJ2b57acTF.xlsx

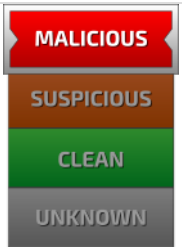
Overview

General Information

Sample Name:	zJ2b57acTF.xlsx
Analysis ID:	659479
MD5:	b8a6fb2af1f2221..
SHA1:	bc2d6b81ef00a5..
SHA256:	6d4e5e60b4f6cb..
Tags:	CVE-2022-30190 Follina xlsx
Infos:	



Detection



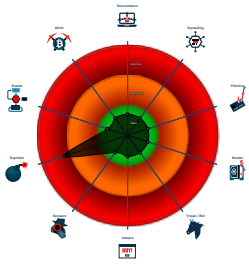
Follina CVE-2022-30190

Score:	56
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

Signatures

- Multi AV Scanner detection for subm…
- Yara detected Microsoft Office Expl…
- Yara signature match

Classification



Process Tree

- **System is w7x64**
- EXCEL.EXE (PID: 1292 cmdline: "C:\Program Files\Microsoft Office\Office14\EXCEL.EXE" /automation -Embedding MD5: D53B85E21886D2AF9815C377537BCAC3)
- **cleanup**

Malware Configuration

No configs have been found

Yara Signatures

Initial Sample

Source	Rule	Description	Author	Strings
.rels	SUSP_PS1_Msdt_Execution_May22	Detects suspicious calls of msdt.exe as seen in CVE-2022-30190 / Follina exploitation	Nasreddine Bencherchali, Christian Burkard	• 0x1ae4:$a: PCWDiagnostic • 0x1ad8:$sa3: ms-msdt • 0x1b57:$sb3: IT_BrowseForFile=
.rels	EXPL_Follina_CVE_2022_30190_Msdt_MSProtocolURI_May22	Detects the malicious usage of the ms-msdt URI as seen in CVE-2022-30190 / Follina exploitation	Tobias Michalski, Christian Burkard	• 0x1ac7:$re1: location.href = "ms-msdt:
.rels	JoeSecurity_Follina	Yara detected Microsoft Office Exploit Follina / CVE-2022-30190	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

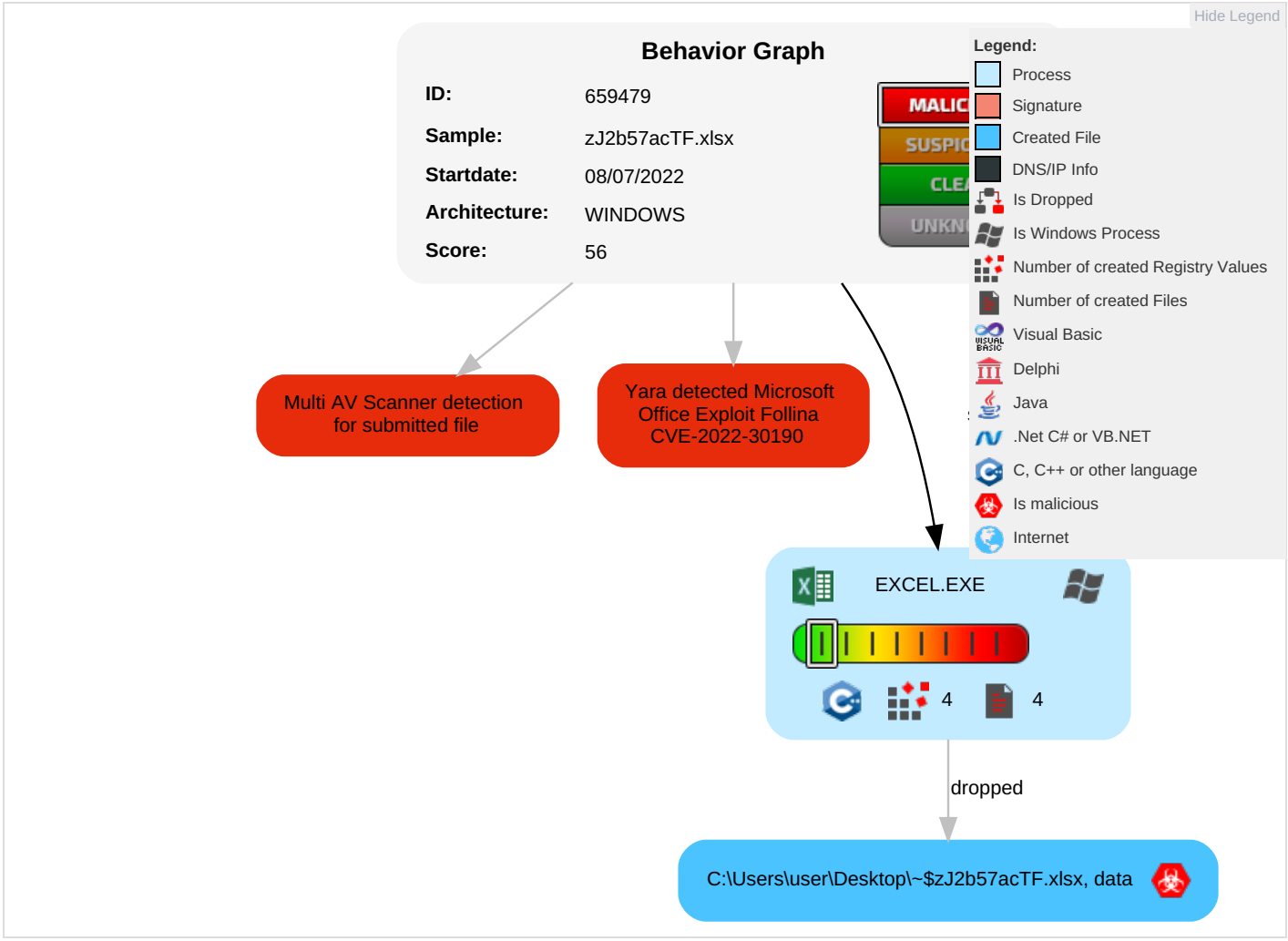
Exploits

Yara detected Microsoft Office Exploit Follina CVE-2022-30190

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	Windows Management Instrumentation	Path Interception	Path Interception	1 Masquerading	OS Credential Dumping	1 File and Directory Discovery	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	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	Rootkit	LSASS Memory	1 System Information Discovery	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit SS7 to Redirect Phone Calls/SMS	Remotely Wipe Data Without Authorization	Device Lockout

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
zJ2b57acTF.xlsx	23%	Metadefender		Browse
zJ2b57acTF.xlsx	41%	ReversingLabs	Script-JS.Exploit.CVE-2022-30190	

Dropped Files

No Antivirus matches

Unpacked PE Files

No Antivirus matches

Domains

No Antivirus matches

URLs

No Antivirus matches

Domains and IPs

Contacted Domains

No contacted domains info

World Map of Contacted IPs

No contacted IP infos

General Information

Joe Sandbox Version:	35.0.0 Citrine
Analysis ID:	659479
Start date and time: 08/07/202208:34:09	2022-07-08 08:34:09 +02:00
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 3m 53s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	zJ2b57acTF.xlsx
Cookbook file name:	defaultwindowsofficecookbook.jbs
Analysis system description:	Windows 7 x64 SP1 with Office 2010 SP1 (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:	2
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:	mal56.expl.winXLSX@1/1@0/0
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	• Successful, ratio: 100% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Found application associated with file extension: .xlsx • Adjust boot time • Enable AMSI • Found Word or Excel or PowerPoint or XPS Viewer • Attach to Office via COM • Scroll down • Close Viewer

Warnings

- Exclude process from analysis (whitelisted): dllhost.exe
- VT rate limit hit for: zJ2b57acTF.xlsx

Simulations

Behavior and APIs

No simulations

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\Desktop\~$zJ2b57acTF.xlsx

Process:	C:\Program Files\Microsoft Office\Office14\EXCEL.EXE
File Type:	data
Category:	dropped
Size (bytes):	165
Entropy (8bit):	1.4377382811115937
Encrypted:	false
SSDEEP:	3:vZ/FFDJw2fV:vBFFGS
MD5:	797869BB881CFBCDAC2064F92B26E46F
SHA1:	61C1B8FBF505956A77E9A79CE74EF5E281B01F4B
SHA-256:	D4E4008DD7DFB936F22D9EF3CC569C6F88804715EAB8101045BA1CD0B081F185
SHA-512:	1B8350E1500F969107754045EB84EA9F72B53498B1DC05911D6C7E771316C632EA750FBCE8AD3A82D664E3C65CC5251D0E4A21F750911AE5DC2FC3653E49F58
Malicious:	**true**
Reputation:	high, very likely benign file
Preview:	.user ..A.l.b.u.s. . . . .

Static File Info

General

File type:	Microsoft OOXML
Entropy (8bit):	7.2242451103796474
TrID:	• Excel Microsoft Office Open XML Format document (40004/1) 83.33% • ZIP compressed archive (8000/1) 16.67%
File name:	zJ2b57acTF.xlsx
File size:	13955
MD5:	b8a6fb2af1f22213fc469b3fc7d65382
SHA1:	bc2d6b81ef00a56dc2fd13fc9a4c90a08d1a5068

SHA256:	6d4e5e60b4f6cbc8a6e14343b59c406fe5c7f948aded16d23a0f6ed6984907c2
SHA512:	3830c5a98c28dae095bd2f44bfa29e27a856f92d3fb5d71bc2170f9d2995d9eb011cea50f84c6487e63f574ae872dd49d6ef0d8b13200c08029b5604393d4c04
SSDEEP:	192:44wboitZCnzIb3UuwVemtGa4cV2s7SlUcwNClk0UNaO8Ibwiu4W8+j4sjt/siAe:44p3zI38jV2s7SluQoPKGW8q4sjFsiAe
TLSH:	39528E1AC127A03DF273807AC20929E6DD9D22079135A40FB0A0B6CD68D2BDB579F75F
File Content Preview:	PK.....e..T..7HL...5....._rels/.rels.._k.0.....}..6...n.....Z....."..Zd.H7K..w.....OC.....'.h...^...8..qE..F../.E.NK...|.....wx.V"..KSGF..s^".BDUB%c.kp.3...H.P.Z..,@...~..%...0...y..}.F..6a...(8.jV..5G.X 8..W.z?..Hx....k.nh9.Y....X.

File Icon

Icon Hash:	e4e2aa8aa4b4bcb4

Network Behavior

No network behavior found

Statistics

No statistics

System Behavior

Analysis Process: EXCEL.EXE PID: 1292, Parent PID: 576

General

Target ID:	0
Start time:	08:35:15
Start date:	08/07/2022
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:	0x13fbc0000
File size:	28253536 bytes
MD5 hash:	D53B85E21886D2AF9815C377537BCAC3
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	C, C++ or other language
Reputation:	high

File Activities

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol

Old File Path	New File Path	Completion	Count	Source Address	Symbol

File Written

File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
C:\Users\user\Desktop\~$zJ2b57acTF.xlsx	0	55	05 41 6c 62 75 73 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	user	success or wait	1	13FD97879	WriteFile

File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol
C:\Users\user\Desktop\~$zJ2b57acTF.xlsx	55	110	05 00 41 00 6c 00 62 00 75 00 73 00 20 00	Albus	success or wait	1	13FD978D3	WriteFile
C:\Users\user\Desktop\~$zJ2b57acTF.xlsx	0	55	05 41 6c 62 75 73 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20	user	success or wait	1	13FD97879	WriteFile
C:\Users\user\Desktop\~$zJ2b57acTF.xlsx	55	110	05 00 41 00 6c 00 62 00 75 00 73 00 20 00	Albus	success or wait	1	13FD978D3	WriteFile

File Path	Offset	Length	Completion	Count	Source Address	Symbol

Registry Activities

There is hidden Windows Behavior. Click on **Show Windows Behavior** to show it.

Key Path	Completion	Count	Source Address	Symbol

Key Path	Name	Type	Data	Completion	Count	Source Address	Symbol

Key Path	Name	Type	Old Data	New Data	Completion	Count	Source Address	Symbol

Disassembly

No disassembly