



General Info

File name:	bookworm_kasp.exe
Full analysis:	https://app.any.run/tasks/e931b203-6e4f-4d97-b3e0-45da21dacfda
Verdict:	Malicious activity
Analysis date:	May 20, 2020 at 18:18:28
OS:	Windows 7 Professional Service Pack 1 (build: 7601, 32 bit)
Indicators:	
MIME:	application/x-dosexec
File info:	PE32 executable (GUI) Intel 80386, for MS Windows, RAR self-extracting archive
MD5:	0D57D2BEF1296BE62A3E791BFAD33BCD
SHA1:	084ABC9B9B8A1DB256B363746CE6EF6F7CD547D8
SHA256:	C9434A3B15609527D6A986D747AA13A90786D1E86FDD864CBFBAF2F01BFE1FB
SSDEEP:	6144:DcWMJHqryYP/daqQ1rysMitKkEn5+zP2/t24UYyeztON83bJd:DczJHqrVPlerZMVk0+zP2V24Ugukbj

Software environment set and analysis options

Launch configuration

Task duration:	60 seconds	Heavy Evasion option:	off	Network geolocation:	off
Additional time used:	none	MITM proxy:	off	Privacy:	Public submission
Fakenet option:	off	Route via Tor:	off	Autoconfirmation of UAC:	on
Network:	on				

Software preset

Internet Explorer 11.0.9600.17843 KB3058515

Adobe Acrobat Reader DC MUI (15.023.20070)

Adobe Flash Player 26 ActiveX (26.0.0.131)

Adobe Flash Player 26 NPAPI (26.0.0.131)

Adobe Flash Player 26 PPAPI (26.0.0.131)

Adobe Refresh Manager (1.8.0)

CCleaner (5.35)

FileZilla Client 3.36.0 (3.36.0)

Google Chrome (75.0.3770.100)

Google Update Helper (1.3.34.7)

Java 8 Update 92 (8.0.920.14)

Java Auto Updater (2.8.92.14)

Microsoft .NET Framework 4.7.2 (4.7.03062)

Microsoft Office Access MUI (English) 2010 (14.0.6029.1000)

Microsoft Office Access MUI (French) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (German) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office Access MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office Access Setup Metadata MUI (English) 2010 (14.0.6029.1000)

Microsoft Office Excel MUI (English) 2010 (14.0.6029.1000)

Microsoft Office Excel MUI (French) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (German) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office Excel MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office Groove MUI (French) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (German) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (Russian) 2010 (14.0.4763.1000)

Hotfixes

Client LanguagePack Package

Client Refresh LanguagePack Package

CodecPack Basic Package

Foundation Package

IE Hyphenation Parent Package English

IE Spelling Parent Package English

IE Troubleshooters Package

InternetExplorer Optional Package

InternetExplorer Package TopLevel

KB2533623

KB2534111

KB2639308

KB2729094

KB2731771

KB2786081

KB2834140

KB2882822

KB2888049

KB2999226

KB4019990

KB976902

LocalPack AU Package

LocalPack CA Package

LocalPack GB Package

LocalPack US Package

LocalPack ZA Package

PlatformUpdate Win7 SRV08R2 Package TopLevel

ProfessionalEdition

UltimateEdition

Microsoft Office Groove MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office Groove MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office IME (Japanese) 2010 (14.0.4763.1000)

Microsoft Office IME (Korean) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (French) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (German) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office InfoPath MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office Language Pack 2010 - French/Français (14.0.4763.1000)

Microsoft Office Language Pack 2010 - German/Deutsch (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Italian/Italiano (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Japanese/日本語 (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Korean/한국어 (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Portuguese/Português (Brasil) (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Russian/русский (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Spanish/Español (14.0.4763.1000)

Microsoft Office Language Pack 2010 - Turkish/Türkçe (14.0.4763.1013)

Microsoft Office O MUI (French) 2010 (14.0.4763.1000)

Microsoft Office O MUI (German) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office O MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office OneNote MUI (English) 2010 (14.0.6029.1000)

Microsoft Office OneNote MUI (French) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (German) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office OneNote MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office Outlook MUI (English) 2010 (14.0.6029.1000)

Microsoft Office Outlook MUI (French) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (German) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office Outlook MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office PowerPoint MUI (English) 2010 (14.0.6029.1000)

Microsoft Office PowerPoint MUI (French) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (German) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Italian) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Japanese) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Korean) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Russian) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Spanish) 2010 (14.0.4763.1000)

Microsoft Office PowerPoint MUI (Turkish) 2010 (14.0.4763.1013)

Microsoft Office Professional 2010 (14.0.6029.1000)

Microsoft Office Proof (Arabic) 2010 (14.0.4763.1000)

Microsoft Office Proof (Basque) 2010 (14.0.4763.1000)

Microsoft Office Proof (Catalan) 2010 (14.0.4763.1000)

Microsoft Office Proof (Dutch) 2010 (14.0.4763.1000)

Microsoft Office Proof (English) 2010 (14.0.6029.1000)

Microsoft Office Proof (French) 2010 (14.0.6029.1000)

Microsoft Office Proof (Galician) 2010 (14.0.4763.1000)

Microsoft Office Proof (German) 2010 (14.0.4763.1000)

Microsoft Office Proof (Italian) 2010 (14.0.4763.1000)

- Microsoft Office Proof (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office Proof (Korean) 2010 (14.0.4763.1000)
- Microsoft Office Proof (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office Proof (Russian) 2010 (14.0.4763.1000)
- Microsoft Office Proof (Spanish) 2010 (14.0.6029.1000)
- Microsoft Office Proof (Turkish) 2010 (14.0.4763.1013)
- Microsoft Office Proof (Ukrainian) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (English) 2010 (14.0.6029.1000)
- Microsoft Office Proofing (French) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (German) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Italian) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Korean) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Russian) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Spanish) 2010 (14.0.4763.1000)
- Microsoft Office Proofing (Turkish) 2010 (14.0.4763.1013)
- Microsoft Office Publisher MUI (English) 2010 (14.0.6029.1000)
- Microsoft Office Publisher MUI (French) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (German) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Italian) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Korean) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Russian) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Spanish) 2010 (14.0.4763.1000)
- Microsoft Office Publisher MUI (Turkish) 2010 (14.0.4763.1013)
- Microsoft Office SharePoint Designer MUI (French) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (German) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Italian) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Korean) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Russian) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Spanish) 2010 (14.0.4763.1000)
- Microsoft Office SharePoint Designer MUI (Turkish) 2010 (14.0.4763.1013)
- Microsoft Office Shared MUI (English) 2010 (14.0.6029.1000)
- Microsoft Office Shared MUI (French) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (German) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Italian) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Korean) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Russian) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Spanish) 2010 (14.0.4763.1000)
- Microsoft Office Shared MUI (Turkish) 2010 (14.0.4763.1013)
- Microsoft Office Shared Setup Metadata MUI (English) 2010 (14.0.6029.1000)
- Microsoft Office Single Image 2010 (14.0.6029.1000)
- Microsoft Office Word MUI (English) 2010 (14.0.6029.1000)
- Microsoft Office Word MUI (French) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (German) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Italian) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Korean) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Russian) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Spanish) 2010 (14.0.4763.1000)
- Microsoft Office Word MUI (Turkish) 2010 (14.0.4763.1013)
- Microsoft Office X MUI (French) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (German) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Italian) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Japanese) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Korean) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Portuguese (Brazil)) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Russian) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Spanish) 2010 (14.0.4763.1000)
- Microsoft Office X MUI (Turkish) 2010 (14.0.4763.1013)
- Microsoft Visual C++ 2008 Redistributable - x86 9.0.30729.6161 (9.0.30729.6161)
- Microsoft Visual C++ 2010 x86 Redistributable - 10.0.40219 (10.0.40219)
- Microsoft Visual C++ 2013 Redistributable (x86) - 12.0.30501 (12.0.30501.0)
- Microsoft Visual C++ 2013 x86 Additional Runtime - 12.0.21005 (12.0.21005)

Microsoft Visual C++ 2013 x86 Minimum Runtime - 12.0.21005 (12.0.21005)

Microsoft Visual C++ 2015-2019 Redistributable (x86) - 14.21.27702 (14.21.27702.2)

Microsoft Visual C++ 2019 X86 Additional Runtime - 14.21.27702 (14.21.27702)

Microsoft Visual C++ 2019 X86 Minimum Runtime - 14.21.27702 (14.21.27702)

Mozilla Firefox 68.0.1 (x86 en-US) (68.0.1)

Notepad++ (32-bit x86) (7.5.1)

Opera 12.15 (12.15.1748)

QGA (2.10.63)

Skype version 8.29 (8.29)

Update for Microsoft .NET Framework 4.7.2 (KB4087364) (1)

VLC media player (2.2.6)

WinRAR 5.60 (32-bit) (5.60.0)

Behavior activities

MALICIOUS	SUSPICIOUS	INFO
Loads dropped or rewritten executable <div>migwiz.exe (PID: 2376)</div> <div>rundll32.exe (PID: 3324)</div> <div>ushata.exe (PID: 4060)</div> <div>ushata.exe (PID: 1520)</div>	Creates files in the Windows directory <div>DllHost.exe (PID: 1948)</div> Executable content was dropped or overwritten <div>DllHost.exe (PID: 1948)</div> <div>migwiz.exe (PID: 2376)</div> <div>bookworm_kasp.exe (PID: 1328)</div> <div>ushata.exe (PID: 4060)</div> Creates files in the user directory <div>ushata.exe (PID: 4060)</div> <div>svchost.exe (PID: 3036)</div> Executed via COM <div>DllHost.exe (PID: 1948)</div> Executed as Windows Service <div>ushata.exe (PID: 1520)</div> Creates or modifies windows services <div>migwiz.exe (PID: 2376)</div> Uses RUNDLL32.EXE to load library <div>ushata.exe (PID: 4060)</div> Removes files from Windows directory <div>DllHost.exe (PID: 1948)</div> Reads Internet Cache Settings <div>svchost.exe (PID: 3036)</div>	No info indicators.

Static information

TRiD	EXIF
<div><div>.exe Win32 Executable MS Visual C++ (generic) (42.2)</div><div>.exe Win64 Executable (generic) (37.3)</div><div>.dll Win32 Dynamic Link Library (generic) (8.8)</div><div>.exe Win32 Executable (generic) (6)</div><div>.exe Generic Win/DOS Executable (2.7)</div></div>	<div><div>EXE</div><div><div>MachineType:</div><div>Intel 386 or later, and compatibles</div></div><div><div>TimeStamp:</div><div>2010:02:10 14:09:37+01:00</div></div><div><div>PEType:</div><div>PE32</div></div><div><div>LinkerVersion:</div><div>9</div></div><div><div>CodeSize:</div><div>67584</div></div><div><div>InitializedDataSize:</div><div>35840</div></div><div><div>UninitializedDataSize:</div><div>0</div></div><div><div>EntryPoint:</div><div>0xa785</div></div><div><div>OSVersion:</div><div>5</div></div><div><div>ImageVersion:</div><div>0</div></div><div><div>SubsystemVersion:</div><div>4</div></div><div><div>Subsystem:</div><div>Windows GUI</div></div></div>

Summary

Architecture:	IMAGE_FILE_MACHINE_I386
Subsystem:	IMAGE_SUBSYSTEM_WINDOWS_GUI
Compilation Date:	10-Feb-2010 13:09:37
Detected languages:	English - United States
	Process Default Language
Debug artifacts:	d:\Projects\WinRAR\SFX\build\sfxrar32\Release\sfxrar.pdb

DOS Header

PE Headers

Magic number:	MZ	Signature:	PE
Bytes on last page of file:	0x0090	Machine:	IMAGE_FILE_MACHINE_I386
Pages in file:	0x0003	Number of sections:	5
Relocations:	0x0000	Time date stamp:	10-Feb-2010 13:09:37
Size of header:	0x0004	Pointer to Symbol Table:	0x00000000
Min extra paragraphs:	0x0000	Number of symbols:	0
Max extra paragraphs:	0xFFFF	Size of Optional Header:	0x00E0
Initial SS value:	0x0000	Characteristics:	IMAGE_FILE_32BIT_MACHINE
Initial SP value:	0x00B8		IMAGE_FILE_EXECUTABLE_IMAGE
Checksum:	0x0000		IMAGE_FILE_RELOCS_STRIPPED
Initial IP value:	0x0000		
Initial CS value:	0x0000		
Overlay number:	0x0000		
OEM identifier:	0x0000		
OEM information:	0x0000		
Address of NE header:	0x000000E8		

Sections

Name	Virtual Address	Virtual Size	Raw Size	Charateristics	Entropy
.text	0x00001000	0x00010742	0x00010800	IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_MEM_READ	6.57241
.rdata	0x00012000	0x00001865	0x00001A00	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ	5.32473
.data	0x00014000	0x0000BFF4	0x00000200	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ, IMAGE_SCN_MEM_WRITE	3.5458
.CRT	0x00020000	0x00000010	0x00000200	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ	0.220914
.rsrc	0x00021000	0x00006D8C	0x00006E00	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ	5.43887

Resources

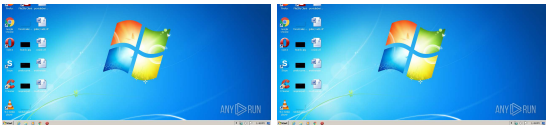
Title	Entropy	Size	Codepage	Language	Type
1	5.20816	1464	Latin 1 / Western European	English - United States	RT_MANIFEST
7	3.24143	556	Latin 1 / Western European	English - United States	RT_STRING
8	3.28574	946	Latin 1 / Western European	English - United States	RT_STRING
9	3.04375	530	Latin 1 / Western European	English - United States	RT_STRING
10	3.15563	638	Latin 1 / Western European	English - United States	RT_STRING
11	2.02306	76	Latin 1 / Western European	English - United States	RT_STRING
100	1.91924	20	Latin 1 / Western European	Process Default Language	RT_GROUP_ICON
101	4.19099	2998	Latin 1 / Western European	English - United States	RT_BITMAP
ASKNEXTVOL	3.42606	642	Latin 1 / Western European	English - United States	RT_DIALOG
GETPASSWORD1	3.33783	310	Latin 1 / Western European	English - United States	RT_DIALOG
LICENSEDLG	3.1404	232	Latin 1 / Western European	English - United States	RT_DIALOG
RENAMEDLG	3.08066	298	Latin 1 / Western European	English - United States	RT_DIALOG
REPLACEFILEDLG	3.27209	820	Latin 1 / Western European	English - United States	RT_DIALOG
STARTDLG	3.46021	542	Latin 1 / Western European	English - United States	RT_DIALOG

Imports

ADVAPI32.dll
COMCTL32.dll
COMDLG32.dll
GDI32.dll
KERNEL32.dll
OLEAUT32.dll
SHELL32.dll
USER32.dll
ole32.dll

Video and screenshots

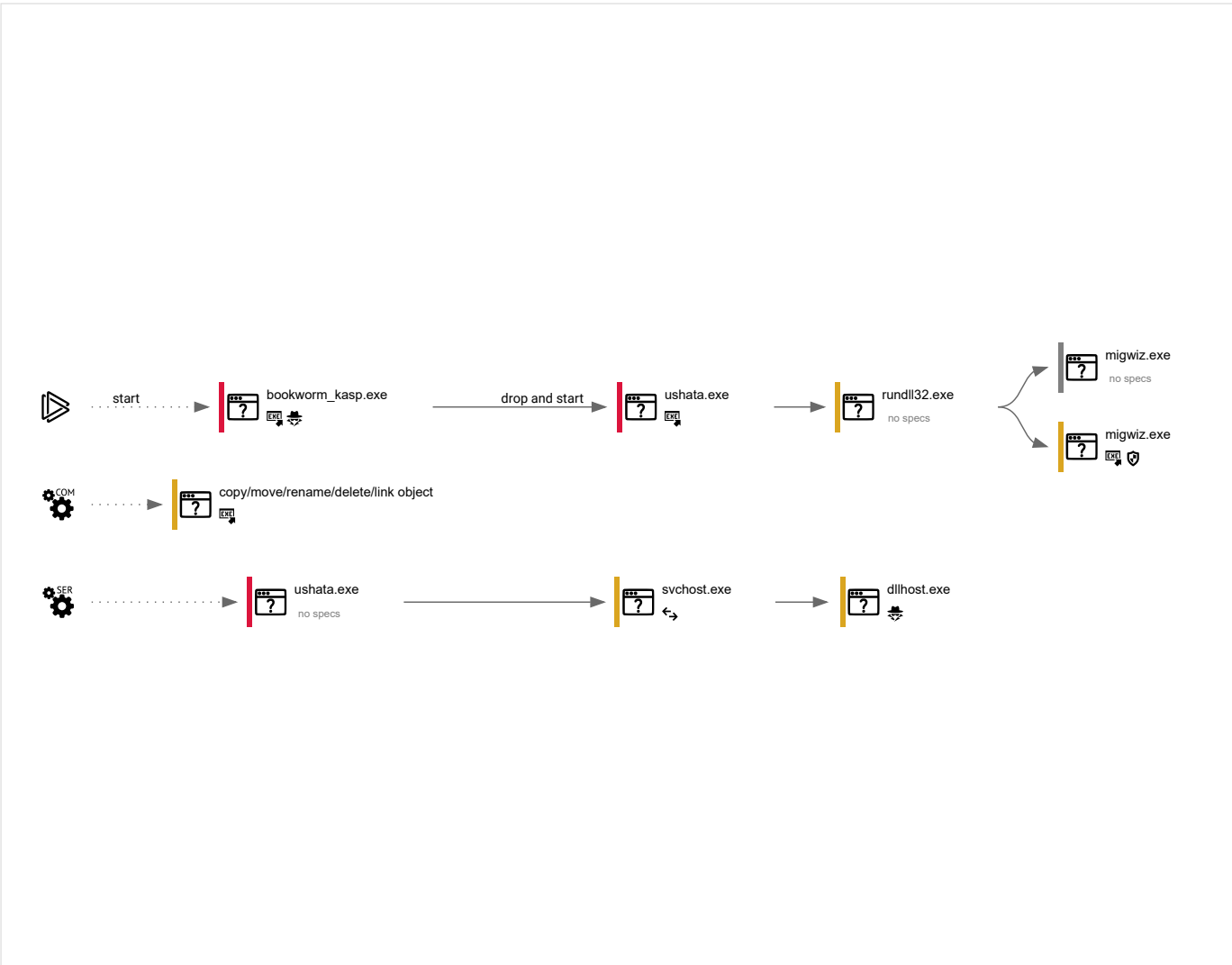




Processes

Total processes	Monitored processes	Malicious processes	Suspicious processes
51	9	3	5

Behavior graph



Specs description

Program did not start	Low-level access to the HDD	Process was added to the startup	Debug information is available
Probably Tor was used	Behavior similar to spam	Task has injected processes	Executable file was dropped
Known threat	RAM overrun	Network attacks were detected	Integrity level elevation
Connects to the network	CPU overrun	Process starts the services	System was rebooted
Task contains several apps running	Application downloaded the executable file	Actions similar to stealing personal data	Task has apps ended with an error
File is detected by antivirus software	Inspected object has suspicious PE structure	Behavior similar to exploiting the vulnerability	Task contains an error or was rebooted
The process has the malware config			

Process information

PID	CMD	Path	Indicators	Parent process
1328	"C:\Users\admin\AppData\Local\Temp\bookworm_kasp.exe"	C:\Users\admin\AppData\Local\Temp\bookworm_kasp.exe		explorer.exe
<div>Information</div> <div><div>User: admin</div><div>Integrity Level: MEDIUM</div><div>Exit code: 0</div></div>				
4060	"C:\Users\admin\AppData\Local\Temp\RarSFX0\ushata.exe"	C:\Users\admin\AppData\Local\Temp\RarSFX0\ushata.exe		bookworm_kasp.exe

<div>Information</div> <table><tr><td>User:</td><td>admin</td><td>Company:</td><td colspan="2">Kaspersky Lab ZAO</td></tr><tr><td>Integrity Level:</td><td>MEDIUM</td><td>Description:</td><td colspan="2">Kaspersky Anti-Virus</td></tr><tr><td>Exit code:</td><td>0</td><td>Version:</td><td colspan="2">14.0.0.4651</td></tr></table>					User:	admin	Company:	Kaspersky Lab ZAO		Integrity Level:	MEDIUM	Description:	Kaspersky Anti-Virus		Exit code:	0	Version:	14.0.0.4651	
User:	admin	Company:	Kaspersky Lab ZAO																
Integrity Level:	MEDIUM	Description:	Kaspersky Anti-Virus																
Exit code:	0	Version:	14.0.0.4651																
3324	"C:\Users\admin\AppData\Local\Temp\bpu.dll",bpu	C:\Windows\System32\rundll32.exe	—	ushata.exe															
<div>Information</div> <table><tr><td>User:</td><td>admin</td><td>Company:</td><td colspan="2">Microsoft Corporation</td></tr><tr><td>Integrity Level:</td><td>MEDIUM</td><td>Description:</td><td colspan="2">Windows host process (Rundll32)</td></tr><tr><td>Exit code:</td><td>0</td><td>Version:</td><td colspan="2">6.1.7600.16385 (win7_rtm.090713-1255)</td></tr></table>					User:	admin	Company:	Microsoft Corporation		Integrity Level:	MEDIUM	Description:	Windows host process (Rundll32)		Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)	
User:	admin	Company:	Microsoft Corporation																
Integrity Level:	MEDIUM	Description:	Windows host process (Rundll32)																
Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)																
1948	C:\Windows\system32\DllHost.exe /Processid:{3AD05575-8857-4850-9277-11B85BDB8E09}	C:\Windows\system32\DllHost.exe		svchost.exe															
<div>Information</div> <table><tr><td>User:</td><td>admin</td><td>Company:</td><td colspan="2">Microsoft Corporation</td></tr><tr><td>Integrity Level:</td><td>HIGH</td><td>Description:</td><td colspan="2">COM Surrogate</td></tr><tr><td>Exit code:</td><td>0</td><td>Version:</td><td colspan="2">6.1.7600.16385 (win7_rtm.090713-1255)</td></tr></table>					User:	admin	Company:	Microsoft Corporation		Integrity Level:	HIGH	Description:	COM Surrogate		Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)	
User:	admin	Company:	Microsoft Corporation																
Integrity Level:	HIGH	Description:	COM Surrogate																
Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)																
3096	"C:\Windows\system32\migwiz\migwiz.exe" "C:\Users\admin\AppData\Local\Temp\bpu.dll"	C:\Windows\system32\migwiz\migwiz.exe	—	rundll32.exe															
<div>Information</div> <table><tr><td>User:</td><td>admin</td><td>Company:</td><td colspan="2">Microsoft Corporation</td></tr><tr><td>Integrity Level:</td><td>MEDIUM</td><td>Description:</td><td colspan="2">Windows Easy Transfer Application</td></tr><tr><td>Exit code:</td><td>3221226540</td><td>Version:</td><td colspan="2">6.1.7600.16385 (win7_rtm.090713-1255)</td></tr></table>					User:	admin	Company:	Microsoft Corporation		Integrity Level:	MEDIUM	Description:	Windows Easy Transfer Application		Exit code:	3221226540	Version:	6.1.7600.16385 (win7_rtm.090713-1255)	
User:	admin	Company:	Microsoft Corporation																
Integrity Level:	MEDIUM	Description:	Windows Easy Transfer Application																
Exit code:	3221226540	Version:	6.1.7600.16385 (win7_rtm.090713-1255)																
2376	"C:\Windows\system32\migwiz\migwiz.exe" "C:\Users\admin\AppData\Local\Temp\bpu.dll"	C:\Windows\system32\migwiz\migwiz.exe		rundll32.exe															
<div>Information</div> <table><tr><td>User:</td><td>admin</td><td>Company:</td><td colspan="2">Microsoft Corporation</td></tr><tr><td>Integrity Level:</td><td>HIGH</td><td>Description:</td><td colspan="2">Windows Easy Transfer Application</td></tr><tr><td>Exit code:</td><td>0</td><td>Version:</td><td colspan="2">6.1.7600.16385 (win7_rtm.090713-1255)</td></tr></table>					User:	admin	Company:	Microsoft Corporation		Integrity Level:	HIGH	Description:	Windows Easy Transfer Application		Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)	
User:	admin	Company:	Microsoft Corporation																
Integrity Level:	HIGH	Description:	Windows Easy Transfer Application																
Exit code:	0	Version:	6.1.7600.16385 (win7_rtm.090713-1255)																
1520	C:\Users\admin\AppData\Roaming\Surge\ushata.exe	C:\Users\admin\AppData\Roaming\Surge\ushata.exe	—	services.exe															
<div>Information</div> <table><tr><td>User:</td><td>SYSTEM</td><td>Company:</td><td colspan="2">Kaspersky Lab ZAO</td></tr><tr><td>Integrity Level:</td><td>SYSTEM</td><td>Description:</td><td colspan="2">Kaspersky Anti-Virus</td></tr><tr><td>Exit code:</td><td>0</td><td>Version:</td><td colspan="2">14.0.0.4651</td></tr></table>					User:	SYSTEM	Company:	Kaspersky Lab ZAO		Integrity Level:	SYSTEM	Description:	Kaspersky Anti-Virus		Exit code:	0	Version:	14.0.0.4651	
User:	SYSTEM	Company:	Kaspersky Lab ZAO																
Integrity Level:	SYSTEM	Description:	Kaspersky Anti-Virus																
Exit code:	0	Version:	14.0.0.4651																
3036	"C:\Users\admin\AppData\Roaming\Surge\"	C:\Windows\System32\svchost.exe		ushata.exe															
<div>Information</div> <table><tr><td>User:</td><td>SYSTEM</td><td>Company:</td><td colspan="2">Microsoft Corporation</td></tr><tr><td>Integrity Level:</td><td>SYSTEM</td><td>Description:</td><td colspan="2">Host Process for Windows Services</td></tr><tr><td>Version:</td><td colspan="4">6.1.7600.16385 (win7_rtm.090713-1255)</td></tr></table>					User:	SYSTEM	Company:	Microsoft Corporation		Integrity Level:	SYSTEM	Description:	Host Process for Windows Services		Version:	6.1.7600.16385 (win7_rtm.090713-1255)			
User:	SYSTEM	Company:	Microsoft Corporation																
Integrity Level:	SYSTEM	Description:	Host Process for Windows Services																
Version:	6.1.7600.16385 (win7_rtm.090713-1255)																		
2908	C:\Windows\System32\dllhost.exe -user	C:\Windows\System32\dllhost.exe		svchost.exe															
<div>Information</div> <table><tr><td>User:</td><td>admin</td><td>Company:</td><td colspan="2">Microsoft Corporation</td></tr><tr><td>Integrity Level:</td><td>HIGH</td><td>Description:</td><td colspan="2">COM Surrogate</td></tr><tr><td>Version:</td><td colspan="4">6.1.7600.16385 (win7_rtm.090713-1255)</td></tr></table>					User:	admin	Company:	Microsoft Corporation		Integrity Level:	HIGH	Description:	COM Surrogate		Version:	6.1.7600.16385 (win7_rtm.090713-1255)			
User:	admin	Company:	Microsoft Corporation																
Integrity Level:	HIGH	Description:	COM Surrogate																
Version:	6.1.7600.16385 (win7_rtm.090713-1255)																		

Registry activity

Total events	Read events	Write events	Delete events
753	741	0	0

Modification events

No data

Files activity

Executable files	Suspicious files	Text files	Unknown types
------------------	------------------	------------	---------------

Dropped files

PID	Process	Filename	Type
1520	ushata.exe	C: MD5: —	—
1948	DllHost.exe	C:\Windows\System32\migwiz\cryptbase.dll MD5: 3033A42281F75506014046DCDA16EDD6	executable
4060	ushata.exe	C:\Users\admin\AppData\Local\Temp\bpu.ini MD5: 76C78A0B62F6D7D148EDB0E70FFA9047	binary
1328	bookworm_kasp.exe	C:\Users\admin\AppData\Local\Temp\RarSFX0\readme.txt MD5: 2E1D6CFF4B52694C0905113D999587F9	binary
4060	ushata.exe	C:\Users\admin\AppData\Local\Temp\bpu.dll MD5: 3033A42281F75506014046DCDA16EDD6	executable
4060	ushata.exe	C:\Users\admin\AppData\Roaming\Surge\ushata.dll MD5: 551AD5248ACA220EE2E9E87E4E4CCB66	executable
3036	svchost.exe	C:\Users\admin\AppData\Roaming\Surge\E3410EE6 MD5: FFD3CBCBA93E59A808B5F3D5F56307A0	text
2376	migwiz.exe	C:\Users\admin\AppData\Roaming\Surge\ushata.dll MD5: 551AD5248ACA220EE2E9E87E4E4CCB66	executable
4060	ushata.exe	C:\Users\admin\AppData\Roaming\Surge\ushata.exe MD5: E26D04CED6C7C71CFBB3F335875BC31	executable
4060	ushata.exe	C:\Users\admin\AppData\Roaming\Surge\delete.txt MD5: 9EB1524D9B512F0C5E784A5716434424	binary
2376	migwiz.exe	C:\Users\admin\AppData\Roaming\Surge\ushata MD5: F2F11E06867B49C26A34094311A12F29	binary
4060	ushata.exe	C:\Users\admin\AppData\Roaming\Surge\sgkey.data MD5: 4C97E9CC1C54683410F6F129149F65F8	binary
1328	bookworm_kasp.exe	C:\Users\admin\AppData\Local\Temp\RarSFX0\ushata.dll MD5: 551AD5248ACA220EE2E9E87E4E4CCB66	executable
4060	ushata.exe	C:\Users\admin\AppData\Roaming\Surge\ushata MD5: F2F11E06867B49C26A34094311A12F29	binary
2376	migwiz.exe	C:\Users\admin\AppData\Roaming\Surge\ushata.exe MD5: E26D04CED6C7C71CFBB3F335875BC31	executable
1328	bookworm_kasp.exe	C:\Users\admin\AppData\Local\Temp\RarSFX0\ushata.exe MD5: E26D04CED6C7C71CFBB3F335875BC31	executable

Network activity

HTTP(S) requests	TCP/UDP connections	DNS requests	Threats
0	0	3	0

HTTP requests

No HTTP requests

Connections

No data

DNS requests

Domain	IP	Reputation
news.nhknews.hk	—	unknown

Threats

Debug output strings

No debug info