ID: 502597
Sample Name: sale order.exe
Cookbook: default.jbs
Time: 05:29:24
Date: 14/10/2021
Version: 33.0.0 White Diamond

Table of Contents

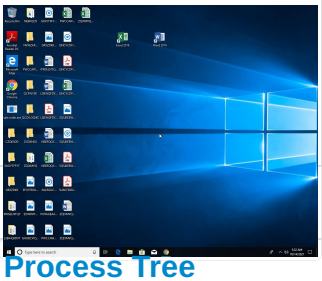
Windows Analysis Report sale order.exe

Overview

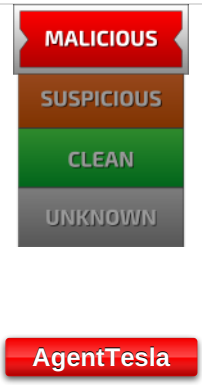
General Information

Sample Name:	sale order.exe
Analysis ID:	502597
MD5:	9d3fe8ed9fd927c..
SHA1:	0f0fe91255fd8af6..
SHA256:	81c6ab8a5c8ea9..
Tags:	exe
Infos:	

Most interesting Screenshot:



Detection



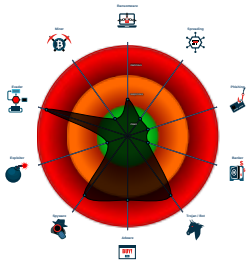
AgentTesla

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

Signatures

- Found malware configuration
- Yara detected AgentTesla
- Yara detected AntiVM3
- Sigma detected: Bad Opsec Default…
- Initial sample is a PE file and has a …
- Tries to harvest and steal Putty / Wi…
- Tries to harvest and steal ftp login c…
- Modifies the hosts file
- Tries to detect sandboxes and other…
- .NET source code contains potentia…
- .NET source code contains very larg…
- Hides that the sample has been dow…

Classification



Process Tree

- **System is w10x64**
- sale order.exe (PID: 6128 cmdline: 'C:\Users\user\Desktop\sale order.exe' MD5: 9D3FE8ED9FD927C91DD268F70A4C20B9)
  - RegSvcs.exe (PID: 4524 cmdline: C:\Windows\Microsoft.NET\Framework\v4.0.30319\RegSvcs.exe MD5: 2867A3817C9245F7CF518524DFD18F28)
- NXLun.exe (PID: 6440 cmdline: 'C:\Users\user\AppData\Roaming\NXLun\NXLun.exe' MD5: 2867A3817C9245F7CF518524DFD18F28)
  - conhost.exe (PID: 6436 cmdline: C:\Windows\system32\conhost.exe 0xffffffff -ForceV1 MD5: EA777DEEA782E8B4D7C7C33BBF8A4496)
- NXLun.exe (PID: 1240 cmdline: 'C:\Users\user\AppData\Roaming\NXLun\NXLun.exe' MD5: 2867A3817C9245F7CF518524DFD18F28)
  - conhost.exe (PID: 3732 cmdline: C:\Windows\system32\conhost.exe 0xffffffff -ForceV1 MD5: EA777DEEA782E8B4D7C7C33BBF8A4496)
- **cleanup**

Malware Configuration

Threatname: Agenttesla


```
{
  "Exfil Mode": "SMTP",
  "Username": "nbsupports@seshsupports.com",
  "Password": "User@40378",
  "Host": "sg2plcpnl0023.prod.sin2.secureserver.net"
}
```


Yara Overview

Memory Dumps

Source	Rule	Description	Author	Strings
00000003.00000002.536714817.000000000321 5000.00000004.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
00000003.00000002.534073873.000000000040 2000.00000040.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
00000003.00000002.534073873.000000000040 2000.00000040.00000001.sdmp	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
00000000.00000002.281050930.00000000040E 9000.00000004.00000001.sdmp	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	

Source	Rule	Description	Author	Strings
00000000.00000002.281050930.00000000040E9000.00000004.00000001.sdmp	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
Click to see the 10 entries				

Unpacked PEs

Source	Rule	Description	Author	Strings
0.2.sale order.exe.438e570.2.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
0.2.sale order.exe.438e570.2.unpack	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
3.2.RegSvcs.exe.400000.0.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
3.2.RegSvcs.exe.400000.0.unpack	JoeSecurity_AgentTesla_2	Yara detected AgentTesla	Joe Security	
0.2.sale order.exe.438e570.2.raw.unpack	JoeSecurity_AgentTesla_1	Yara detected AgentTesla	Joe Security	
Click to see the 3 entries				

Sigma Overview

System Summary:

Sigma detected: Bad Opsec Defaults Sacrificial Processes With Improper Arguments

Sigma detected: Possible Applocker Bypass

Jbx Signature Overview

Click to jump to signature section

AV Detection:

Found malware configuration

Spam, unwanted Advertisements and Ransom Demands:

Modifies the hosts file

System Summary:

Initial sample is a PE file and has a suspicious name

.NET source code contains very large array initializations

Data Obfuscation:

.NET source code contains potential unpacker

Hooking and other Techniques for Hiding and Protection:

Hides that the sample has been downloaded from the Internet (zone.identifier)

Malware Analysis System Evasion:

Yara detected AntiVM3

Tries to detect sandboxes and other dynamic analysis tools (process name or module or function)

Queries sensitive network adapter information (via WMI, Win32_NetworkAdapter, often done to detect virtual machines)

Queries sensitive BIOS Information (via WMI, Win32_Bios & Win32_BaseBoard, often done to detect virtual machines)

HIPS / PFW / Operating System Protection Evasion:

Modifies the hosts file

Lowering of HIPS / PFW / Operating System Security Settings:

Modifies the hosts file

Stealing of Sensitive Information:

Yara detected AgentTesla

Tries to harvest and steal Putty / WinSCP information (sessions, passwords, etc)

Tries to harvest and steal ftp login credentials

Tries to steal Mail credentials (via file access)

Tries to harvest and steal browser information (history, passwords, etc)

Remote Access Functionality:

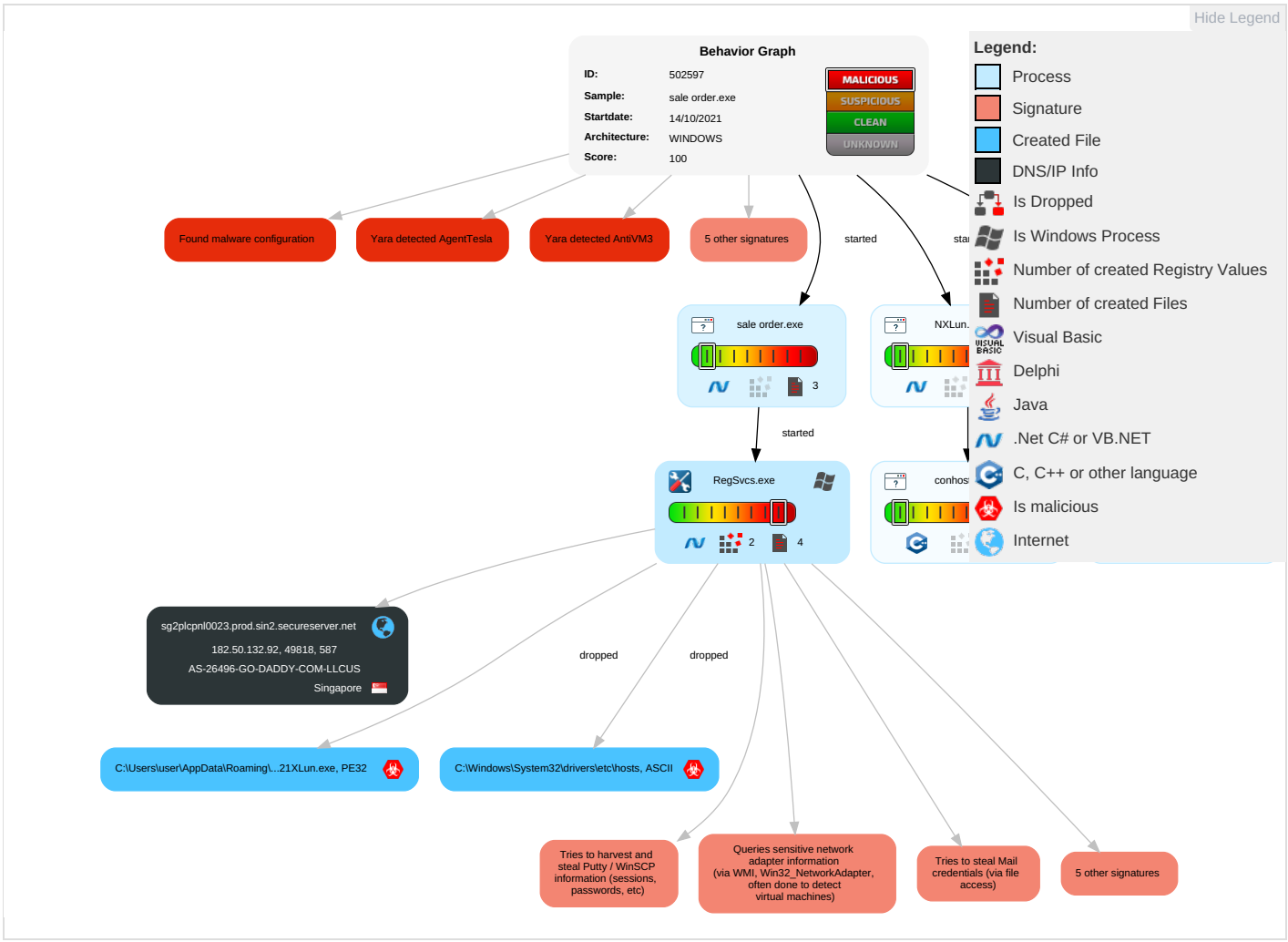
Yara detected AgentTesla

Mitre Att&ck Matrix

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control
Valid Accounts	Windows Management Instrumentation 2 1 1	Registry Run Keys / Startup Folder 1	Process Injection 1 2	File and Directory Permissions Modification 1	OS Credential Dumping 2	Account Discovery 1	Remote Services	Archive Collected Data 1 1	Exfiltration Over Other Network Medium	Encrypted Channel 1
Default Accounts	Scheduled Task/Job	Boot or Logon Initialization Scripts	Registry Run Keys / Startup Folder 1	Disable or Modify Tools 1	Credentials in Registry 1	System Information Discovery 1 1 4	Remote Desktop Protocol	Data from Local System 2	Exfiltration Over Bluetooth	Non-Standard Port 1
Domain Accounts	At (Linux)	Logon Script (Windows)	Logon Script (Windows)	Deobfuscate/Decode Files or Information 1 1	Security Account Manager	Security Software Discovery 2 1 1	SMB/Windows Admin Shares	Email Collection 1	Automated Exfiltration	Non-Application Layer Protocol 1
Local Accounts	At (Windows)	Logon Script (Mac)	Logon Script (Mac)	Obfuscated Files or Information 3	NTDS	Process Discovery 2	Distributed Component Object Model	Input Capture	Scheduled Transfer	Application Layer Protocol 1 1
Cloud Accounts	Cron	Network Logon Script	Network Logon Script	Software Packing 1 3	LSA Secrets	Virtualization/Sandbox Evasion 1 3 1	SSH	Keylogging	Data Transfer Size Limits	Fallback Channels
Replication Through Removable Media	Launchd	Rc.common	Rc.common	Masquerading 1	Cached Domain Credentials	Application Window Discovery 1	VNC	GUI Input Capture	Exfiltration Over C2 Channel	Multiband Communication
External Remote Services	Scheduled Task	Startup Items	Startup Items	Virtualization/Sandbox Evasion 1 3 1	DCSync	System Owner/User Discovery 1	Windows Remote Management	Web Portal Capture	Exfiltration Over Alternative Protocol	Commonly Used Port
Drive-by Compromise	Command and Scripting Interpreter	Scheduled Task/Job	Scheduled Task/Job	Process Injection 1 2	Proc Filesystem	Remote System Discovery 1	Shared Webroot	Credential API Hooking	Exfiltration Over Symmetric Encrypted Non-C2 Protocol	Application Layer Protocol

Initial Access	Execution	Persistence	Privilege Escalation	Defense Evasion	Credential Access	Discovery	Lateral Movement	Collection	Exfiltration	Command and Control
Exploit Public-Facing Application	PowerShell	At (Linux)	At (Linux)	Hidden Files and Directories 1	/etc/passwd and /etc/shadow	System Network Connections Discovery	Software Deployment Tools	Data Staged	Exfiltration Over Asymmetric Encrypted Non-C2 Protocol	Web Protocols

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

No Antivirus matches

Dropped Files

Source	Detection	Scanner	Label	Link
C:\Users\user\AppData\Roaming\NXLun\NXLun.exe	0%	Metadefender		Browse
C:\Users\user\AppData\Roaming\NXLun\NXLun.exe	0%	ReversingLabs		

Unpacked PE Files

Source	Detection	Scanner	Label	Link	Download
3.2.RegSvcs.exe.400000.0.unpack	100%	Avira	TR/Spy.Gen8		Download File

Domains

No Antivirus matches

URLs

Source	Detection	Scanner	Label	Link
http://127.0.0.1:HTTP/1.1	0%	Avira URL Cloud	safe	
http://www.founder.com.cn/cn/bThe	0%	URL Reputation	safe	

Source	Detection	Scanner	Label	Link
http://www.tiro.com	0%	URL Reputation	safe	
http://eOPeED.com	2%	Virustotal		Browse
http://eOPeED.com	0%	Avira URL Cloud	safe	
http://www.goodfont.co.kr	0%	URL Reputation	safe	
http://www.collada.org/2005/11/COLLADASchema9Done	0%	URL Reputation	safe	
http://www.sajatypeworks.com	0%	URL Reputation	safe	
http://www.typography.netD	0%	URL Reputation	safe	
http://www.founder.com.cn/cn/cThe	0%	URL Reputation	safe	
http://www.galapagosdesign.com/staff/dennis.htm	0%	URL Reputation	safe	
http://fontfabrik.com	0%	URL Reputation	safe	
http://www.founder.com.cn/cn/c	0%	Avira URL Cloud	safe	
http://crl.microsoft.co	0%	URL Reputation	safe	
http://www.galapagosdesign.com/DPlease	0%	URL Reputation	safe	
http://https://92rgATMXZYKxK.net	0%	Avira URL Cloud	safe	
http://https://api.ipify.org%GETMozilla/5.0	0%	URL Reputation	safe	
http://www.sandoll.co.kr	0%	URL Reputation	safe	
http://www.urwpp.deDPlease	0%	URL Reputation	safe	
http://www.zhongyicts.com.cn	0%	URL Reputation	safe	
http://crl.starfieldtech.co	0%	Avira URL Cloud	safe	
http://www.sakkal.com	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip	0%	URL Reputation	safe	
http://DynDns.comDynDNS	0%	URL Reputation	safe	
http://https://www.theonionrouter.com/dist.torproject.org/torbrowser/9.5.3/tor-win32-0.4.3.6.zip%tordir%%ha	0%	URL Reputation	safe	
http://www.tiro.comn	0%	URL Reputation	safe	
http://https://api.ipify.org%$	0%	Avira URL Cloud	safe	
http://www.carterandcone.coml	0%	URL Reputation	safe	
http://www.founder.com.cn/cn	0%	URL Reputation	safe	
http://www.fontbureau.comm	0%	URL Reputation	safe	
http://www.jiyu-kobo.co.jp/	0%	URL Reputation	safe	
http://www.fontbureau.como	0%	URL Reputation	safe	

Domains and IPs

Contacted Domains

Name	IP	Active	Malicious	Antivirus Detection	Reputation
sg2plcpnl0023.prod.sin2.secureserver.net	182.50.132.92	true	false		high

URLs from Memory and Binaries

Contacted IPs

Public

IP	Domain	Country	Flag	ASN	ASN Name	Malicious
182.50.132.92	sg2plcpnl0023.prod.sin2.secureserver.net	Singapore		26496	AS-26496-GO-DADDY-COM-LLCUS	false

General Information

Joe Sandbox Version:	33.0.0 White Diamond
Analysis ID:	502597
Start date:	14.10.2021
Start time:	05:29:24
Joe Sandbox Product:	CloudBasic

Overall analysis duration:	0h 8m 29s
Hypervisor based Inspection enabled:	false
Report type:	light
Sample file name:	sale order.exe
Cookbook file name:	default.jbs
Analysis system description:	Windows 10 64 bit v1803 with Office Professional Plus 2016, Chrome 85, IE 11, Adobe Reader DC 19, Java 8 Update 211
Number of analysed new started processes analysed:	27
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:	mal100.troj.adwa.spyw.evad.winEXE@7/6@1/1
EGA Information:	Failed
HDC Information:	Failed
HCA Information:	• Successful, ratio: 99% • Number of executed functions: 0 • Number of non-executed functions: 0
Cookbook Comments:	• Adjust boot time • Enable AMSI • Found application associated with file extension: .exe
Warnings:	Show All

Simulations

Behavior and APIs

Time	Type	Description
05:30:16	API Interceptor	1x Sleep call for process: sale order.exe modified
05:30:25	API Interceptor	825x Sleep call for process: RegSvcs.exe modified
05:30:36	Autostart	Run: HKCU\Software\Microsoft\Windows\CurrentVersion\Run NXLun C:\Users\user\AppData\Roaming\NXLun\NXLun.exe
05:30:44	Autostart	Run: HKCU64\Software\Microsoft\Windows\CurrentVersion\Run NXLun C:\Users\user\AppData\Roaming\NXLun\NXLun.exe

Joe Sandbox View / Context

IPs

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
182.50.132.92	Swift copy.exe	Get hash	malicious	Browse	
	Purchase order.exe	Get hash	malicious	Browse	
	BANK INFORMATION.exe	Get hash	malicious	Browse	
	payment.exe	Get hash	malicious	Browse	
	SWIFT CODE.exe	Get hash	malicious	Browse	
	SWIFT CODE.exe	Get hash	malicious	Browse	
	PO CPWPKL-1901088.exe	Get hash	malicious	Browse	
	Purchase order.exe	Get hash	malicious	Browse	
	Purchase order.exe	Get hash	malicious	Browse	
	Purchase order.exe	Get hash	malicious	Browse	
	Swift copy.exe	Get hash	malicious	Browse	

Domains

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
sg2plcpnl0023.prod.sin2.secureserver.net	Swift copy.exe	Get hash	malicious	Browse	• 182.50.132.92
	Purchase order.exe	Get hash	malicious	Browse	• 182.50.132.92
	BANK INFORMATION.exe	Get hash	malicious	Browse	• 182.50.132.92
	payment.exe	Get hash	malicious	Browse	• 182.50.132.92
	SWIFT CODE.exe	Get hash	malicious	Browse	• 182.50.132.92
	SWIFT CODE.exe	Get hash	malicious	Browse	• 182.50.132.92
	PO CPWPKL-1901088.exe	Get hash	malicious	Browse	• 182.50.132.92
	Purchase order.exe	Get hash	malicious	Browse	• 182.50.132.92
	Purchase order.exe	Get hash	malicious	Browse	• 182.50.132.92
	Purchase order.exe	Get hash	malicious	Browse	• 182.50.132.92
	Swift copy.exe	Get hash	malicious	Browse	• 182.50.132.92
	sale order.exe	Get hash	malicious	Browse	• 182.50.132.92

ASN

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
AS-26496-GO-DADDY-COM-LLCUS	Maj PO.exe	Get hash	malicious	Browse	• 132.148.164.170
	Payment_Receipt 7183.xls	Get hash	malicious	Browse	• 148.72.0.122
	Sales_Receipt 6310.xls	Get hash	malicious	Browse	• 192.169.250.173
	DOC 13102021.exe	Get hash	malicious	Browse	• 132.148.164.170
	Purchase_Order 2586.xls	Get hash	malicious	Browse	• 148.72.0.122
	REMITTANCE-54324.exe	Get hash	malicious	Browse	• 107.180.56.180
	D0sF4Fm8Za	Get hash	malicious	Browse	• 160.153.44.209
	rLGunciziY	Get hash	malicious	Browse	• 160.153.44.229
	Swift copy.exe	Get hash	malicious	Browse	• 182.50.132.92
	DOC 10132021.exe	Get hash	malicious	Browse	• 132.148.164.170
	Purchase order.exe	Get hash	malicious	Browse	• 182.50.132.92
	microsoft_services_agreement_section_6b.js	Get hash	malicious	Browse	• 198.71.233.36
	REQ20211028624480320 73.exe	Get hash	malicious	Browse	• 184.168.131.241
	ABONOF2201.exe	Get hash	malicious	Browse	• 107.180.56.180
	NEW P.O3421280.exe	Get hash	malicious	Browse	• 107.180.56.180
	signed copy.exe	Get hash	malicious	Browse	• 107.180.56.180
	PO09858.exe	Get hash	malicious	Browse	• 107.180.56.180
	NS. ORDINE N. 141.exe	Get hash	malicious	Browse	• 107.180.56.180
	IMPORTS INVOICE.exe	Get hash	malicious	Browse	• 107.180.56.180
	sora.x86	Get hash	malicious	Browse	• 198.12.169.177

JA3 Fingerprints

No context

Dropped Files

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
C:\Users\user\AppData\Roaming\NXLun\NXLun.exe	XnQ8NBKkhW.exe	Get hash	malicious	Browse	
	DEBIT NOTE.exe	Get hash	malicious	Browse	
	FAj7shxXukkNrTk.exe	Get hash	malicious	Browse	
	ameHrrFwNp.exe	Get hash	malicious	Browse	
	gNFfZ1w8E6.exe	Get hash	malicious	Browse	
	YdACOWCggQ.exe	Get hash	malicious	Browse	
	Swift copy.exe	Get hash	malicious	Browse	
	KRSEL0000056286.JPG.exe	Get hash	malicious	Browse	
	tT5M57z8XiwLwf5.exe	Get hash	malicious	Browse	
	SecuriteInfo.com.Suspicious.Win32.Save.a.7200.exe	Get hash	malicious	Browse	
	Purchase order.exe	Get hash	malicious	Browse	
	21ITQXL080104122T7.exe	Get hash	malicious	Browse	
	COSCOSH SHANGHAI SHIP MANAGEMENT CO LTD.exe	Get hash	malicious	Browse	
	319-7359-01#U00a0BL#U00a0DRAFT.exe	Get hash	malicious	Browse	
	HSBc20210216B1.exe	Get hash	malicious	Browse	
	BANK INFORMATION.exe	Get hash	malicious	Browse	
	PO.2100002.exe	Get hash	malicious	Browse	

Match	Associated Sample Name / URL	SHA 256	Detection	Link	Context
	dorlla.exe	Get hash	malicious	Browse	
	dAkJsQr7A9.exe	Get hash	malicious	Browse	
	QT2021154 NCX Glasurit Rev.1.exe	Get hash	malicious	Browse	

Created / dropped Files

C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\NXLun.exe.log	
Process:	C:\Users\user\AppData\Roaming\NXLun\NXLun.exe
File Type:	ASCII text, with CRLF line terminators
Category:	modified
Size (bytes):	142
Entropy (8bit):	5.090621108356562
Encrypted:	false
SSDEEP:	3:QHXMKa/xwwUC7WglAFXMWA2yTMGfsbNRLFS9Am12MFuAvOAsDeieVyn:Q3La/xwczlAFXMWTyAGCDLIP12MUAvvw
MD5:	8C0458BB9EA02D50565175E38D577E35
SHA1:	F0B50702CD6470F3C17D637908F83212FDBDB2F2
SHA-256:	C578E86DB701B9AFA3626E804CF434F9D32272FF59FB32FA9A51835E5A148B53
SHA-512:	804A47494D9A462FFA6F39759480700ECBE5A7F3A15EC3A6330176ED9C04695D2684BF6BF85AB86286D52E7B727436D0BB2E8DA96E20D47740B5CE3F856B5D0F
Malicious:	false
Reputation:	moderate, very likely benign file
Preview:	1,"fusion","GAC",0..1,"WinRT","NotApp",1..2,"System.EnterpriseServices, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a",0..

C:\Users\user\AppData\Local\Microsoft\CLR_v4.0_32\UsageLogs\sale order.exe.log	
Process:	C:\Users\user\Desktop\sale order.exe
File Type:	ASCII text, with CRLF line terminators
Category:	dropped
Size (bytes):	1216
Entropy (8bit):	5.355304211458859
Encrypted:	false
SSDEEP:	24:MLUE4K5E4Ks2E1qE4qXKDE4KhK3VZ9pKhPKIE4oKFKHKoZAE4Kzr7FE4x84j:MIHK5HKXE1qHiYHKhQnoPtHoxHhAHKzr
MD5:	FED34146BF2F2FA59DCF8702FCC8232E
SHA1:	B03BFEA175989D989850CF06FE5E7BBF56EAA00A
SHA-256:	123BE4E3590609A008E85501243AF5BC53FA0C26C82A92881B8879524F8C0D5C
SHA-512:	1CC89F2ED1DBD70628FA1DC41A32BA0BFA3E81EAE1A1CF3C5F6A48F2DA0BF1F21A5001B8A18B04043C5B8FE4FBE663068D86AA8C4BD8E17933F75687C3178F F6
Malicious:	false
Reputation:	high, very likely benign file
Preview:	1,"fusion","GAC",0..1,"WinRT","NotApp",1..2,"System.Windows.Forms, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089",0..3,"System, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System\4f0a7eefa3cd3e0ba98b5ebddbbc72e6\System.ni.dll",0..2,"System.Drawing, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a",0..3,"System.Core, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Core\f1d8480152e0da9a60ad49c6d16a3b6d\System.Core.ni.dll",0..3,"System.Configuration, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b03f5f7f11d50a3a","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Configuration\8d67d92724ba494b6c7fd089d6f25b48\System.Configuration.ni.dll",0..3,"System.Xml, Version=4.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089","C:\Windows\assembly\NativeImages_v4.0.30319_32\System.Xml\b219d4630d26b88041b59c21

C:\Users\user\AppData\Roaming\NXLun\NXLun.exe	
Process:	C:\Windows\Microsoft.NET\Framework\v4.0.30319\RegSvcs.exe
File Type:	PE32 executable (console) Intel 80386 Mono/.Net assembly, for MS Windows
Category:	dropped
Size (bytes):	45152
Entropy (8bit):	6.149629800481177
Encrypted:	false
SSDEEP:	768:bBbSoy+SdlBf0k2dsYyV6Iq87PiU9FViaLmf:EoOIBf0ddsYy8LUjVBC
MD5:	2867A3817C9245F7CF518524DFD18F28
SHA1:	D7BA2A111CEDD5BF523224B3F1CFE58EEC7C2FDC
SHA-256:	43026DCFF238F20CFF0419924486DEE45178119CFDD0D366B79D67D950A9BF50
SHA-512:	7D3D3DBB42B7966644D716AA9CBC75327B2ACB02E43C61F1DAD4AFE5521F9FE248B33347DFE15B637FB33EB97CDB322BCAEAE08BAE3F2FD863A9AD9B3A4D(B42
Malicious:	**true**
Antivirus:	• Antivirus: Metadefender, Detection: 0%, Browse • Antivirus: ReversingLabs, Detection: 0%

C:\Users\user\AppData\Roaming\NXLun\NXLun.exe	
Joe Sandbox View:	• Filename: XnQ8NBKkhW.exe, Detection: malicious, Browse • Filename: DEBIT NOTE.exe, Detection: malicious, Browse • Filename: FAj7shxXukkNrTk.exe, Detection: malicious, Browse • Filename: ameHrrFwNp.exe, Detection: malicious, Browse • Filename: gNFfZ1w8E6.exe, Detection: malicious, Browse • Filename: YdACOWCggQ.exe, Detection: malicious, Browse • Filename: Swift copy.exe, Detection: malicious, Browse • Filename: KRSEL0000056286.JPG.exe, Detection: malicious, Browse • Filename: tT5M57z8XiwLwf5.exe, Detection: malicious, Browse • Filename: SecuriteInfo.com.Suspicious.Win32.Save.a.7200.exe, Detection: malicious, Browse • Filename: Purchase order.exe, Detection: malicious, Browse • Filename: 21ITQXL080104122T7.exe, Detection: malicious, Browse • Filename: COSCOSH SHANGHAI SHIP MANAGEMENT CO LTD.exe, Detection: malicious, Browse • Filename: 319-7359-01#U00a0BL#U00a0DRAFT.exe, Detection: malicious, Browse • Filename: HSBc20210216B1.exe, Detection: malicious, Browse • Filename: BANK INFORMATION.exe, Detection: malicious, Browse • Filename: PO.2100002.exe, Detection: malicious, Browse • Filename: dorlla.exe, Detection: malicious, Browse • Filename: dAkJsQr7A9.exe, Detection: malicious, Browse • Filename: QT2021154 NCX Glasurit Rev.1.exe, Detection: malicious, Browse
Reputation:	high, very likely benign file
Preview:	MZ.....@.....!..L.!This program cannot be run in DOS mode....$.....PE..L...zX.Z.....0..d.....V.... .....@.. .....".. ..`.....O.....8.....r..`>..... ....H.....text...\c... ...d..... ..`.rsrc...8.....f.....@..@.reloc..... .....p.....@..B.....8.....H.....+...S.....|...P.....r...p(....*2.(....(....*z..r...p(....(....(.....}....*..{....*.s.....*.0..{.....Q.-.s.....+i~....o....(..... s.....o.....r!..p..(....Q.P,:.P.....(....o....o .....(....o!...o".....,..o#...t.....*..0..(..... ....s$.....o%....X..(....-..*.o&...*.0.....('.....&.....*.*.....0.....(.....&.....*..... .....0.....(.....(....~.....,(....~....o....9]...

C:\Windows\System32\drivers\etc\hosts	
Process:	C:\Windows\Microsoft.NET\Framework\v4.0.30319\RegSvcs.exe
File Type:	ASCII text, with CRLF line terminators
Category:	modified
Size (bytes):	835
Entropy (8bit):	4.694294591169137
Encrypted:	false
SSDEEP:	24:QWDZh+ragzMZfuMMs1L/JU5fFCkK8T1rTt8:vDZhyoZWM9rU5fFcP
MD5:	6EB47C1CF858E25486E42440074917F2
SHA1:	6A63F93A95E1AE831C393A97158C526A4FA0FAAE
SHA-256:	9B13A3EA948A1071A81787AAC1930B89E30DF22CE13F8FF751F31B5D83E79FFB
SHA-512:	08437AB32E7E905EB11335E670CDD5D999803390710ED39CBC31A2D3F05868D5D0E5D051CCD7B06A85BB466932F99A220463D27FAC29116D241E8ADAC495FA2
Malicious:	**true**
Reputation:	moderate, very likely benign file
Preview:	# Copyright (c) 1993-2009 Microsoft Corp...#..# This is a sample HOSTS file used by Microsoft TCP/IP for Windows...#..# This file contains the mappings of IP addresses to host names. Each..# entry should be kept on an individual line. The IP address should..# be placed in the first column followed by the corresponding host name...# The IP address and the host name should be separated by at least one..# space...#..# Additionally, comments (such as these) may be inserted on individual..# lines or following the machine name denoted by a '#' symbol...#..# For example:..#..# 102.54.94.97 rhino.acme.com # source server..# 38.25.63.10 x.acme.com # x client host....# localhost name resolution is handled within DNS itself...#.127.0.0.1 localhost..#.::1 localhost....127.0.0.1

\Device\ConDrv	
Process:	C:\Users\user\AppData\Roaming\NXLun\NXLun.exe
File Type:	ASCII text, with CRLF line terminators
Category:	dropped
Size (bytes):	1141
Entropy (8bit):	4.44831826838854
Encrypted:	false
SSDEEP:	24:zKLXkb4DObntKlglUEnfQtvNuNpKOK5aM9YJC:zKL0b4DQntKKH1MqJC
MD5:	1AEB3A784552CFD2AEDEDC1D43A97A4F
SHA1:	804286AB9F8B3DE053222826A69A7CDA3492411A
SHA-256:	0BC438F4B1208E1390C12D375B6CBB08BF47599D1F24BD07799BB1DF384AA293
SHA-512:	5305059BA86D5C2185E590EC036044B2A17ED9FD9863C2E3C7E7D8035EF0C79E53357AF5AE735F7D432BC70156D4BD3ACB42D100CFB05C2FB669EA22368F141
Malicious:	false
Preview:	Microsoft (R) .NET Framework Services Installation Utility Version 4.7.3056.0..Copyright (C) Microsoft Corporation. All rights reserved.....USAGE: regsvcs.exe [options] AssemblyName..Options:.. /? or /help Display this usage message... /fc Find or create target application (default)... /c Create target application, error if it already exists... /exapp Expect an existing application... /tlb:<tlbfile> Filename for the exported type library... /appname:<name> Use the specified name for the target application... /parname:<name> Use the specified name or id for the target partition... /extlb Use an existing type library... /reconfig Reconfigure existing target application (default)... /noreconfig Don't reconfigure existing target application... /u Uninstall target application... /nologo Suppress logo output... /quiet Suppress logo output and success output... /c

Static File Info

General

File type:	PE32 executable (GUI) Intel 80386 Mono/.Net assembly, for MS Windows
Entropy (8bit):	7.943912144915366
TrID:	• Win32 Executable (generic) Net Framework (10011505/4) 49.83% • Win32 Executable (generic) a (10002005/4) 49.78% • Generic CIL Executable (.NET, Mono, etc.) (73296/58) 0.36% • Generic Win/DOS Executable (2004/3) 0.01% • DOS Executable Generic (2002/1) 0.01%
File name:	sale order.exe
File size:	385536
MD5:	9d3fe8ed9fd927c91dd268f70a4c20b9
SHA1:	0f0fe91255fd8af65bc2c03eb4ac63c888e600c9
SHA256:	81c6ab8a5c8ea969d37b9b55d052cf8b352109f1d7e85e1115570f54e542b7c2
SHA512:	f10468df2a885d3f3141280721d9365d72e91bcfb5d97ac6cf7ea3399c603da1c23a62a34c6d9801ca835e3ee46b050a1047dc3ab53680603316d93dc749f63e
SSDEEP:	6144:wWOdWnLnJFNN1QT65Ib/Z2yNUHJ+UU+hektHJuFqBR4iAuqaBh86RqfxtmgYFgbH:wW+WtFH1Qd/ZDVUU+YkPTBR47+Bh86M9
File Content Preview:	MZ.....@.....!..L.!This program cannot be run in DOS mode....$.....PE..L.....ga..... .....@.. .....@.....@.....

File Icon

Icon Hash:	00828e8e8686b000

Static PE Info

General

Entrypoint:	0x45f7e6
Entrypoint Section:	.text
Digitally signed:	false
Imagebase:	0x400000
Subsystem:	windows gui
Image File Characteristics:	LOCAL_SYMS_STRIPPED, 32BIT_MACHINE, EXECUTABLE_IMAGE, LINE_NUMS_STRIPPED
DLL Characteristics:	NO_SEH, TERMINAL_SERVER_AWARE, DYNAMIC_BASE, NX_COMPAT
Time Stamp:	0x616788CD [Thu Oct 14 01:33:01 2021 UTC]
TLS Callbacks:	
CLR (.Net) Version:	v4.0.30319
OS Version Major:	4
OS Version Minor:	0
File Version Major:	4
File Version Minor:	0
Subsystem Version Major:	4
Subsystem Version Minor:	0
Import Hash:	f34d5f2d4577ed6d9ceec516c1f5a744

Entrypoint Preview

Data Directories

Sections

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.text	0x2000	0x5d7ec	0x5d800	False	0.960031438001	data	7.95448037982	IMAGE_SCN_MEM_EXECUTE, IMAGE_SCN_CNT_CODE, IMAGE_SCN_MEM_READ
.reloc	0x60000	0xc	0x200	False	0.044921875	data	0.101910425663	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_DISCARDABLE, IMAGE_SCN_MEM_READ

Name	Virtual Address	Virtual Size	Raw Size	Xored PE	ZLIB Complexity	File Type	Entropy	Characteristics
.rsrc	0x62000	0x5a0	0x600	False	0.429036458333	data	4.38015610359	IMAGE_SCN_CNT_INITIALIZED_DATA, IMAGE_SCN_MEM_READ

Resources

Imports

Version Infos

Network Behavior

Network Port Distribution

TCP Packets

UDP Packets

DNS Queries

Timestamp	Source IP	Dest IP	Trans ID	OP Code	Name	Type	Class
Oct 14, 2021 05:31:49.058628082 CEST	192.168.2.3	8.8.8.8	0xdf03	Standard query (0)	sg2plcpnl0023.prod.sin2.secureserver.net	A (IP address)	IN (0x0001)

DNS Answers

Timestamp	Source IP	Dest IP	Trans ID	Reply Code	Name	CName	Address	Type	Class
Oct 14, 2021 05:31:49.076781988 CEST	8.8.8.8	192.168.2.3	0xdf03	No error (0)	sg2plcpnl0023.prod.sin2.secureserver.net		182.50.132.92	A (IP address)	IN (0x0001)

SMTP Packets

Timestamp	Source Port	Dest Port	Source IP	Dest IP	Commands
Oct 14, 2021 05:31:49.792210102 CEST	587	49818	182.50.132.92	192.168.2.3	220-sg2plcpnl0023.prod.sin2.secureserver.net ESMTP Exim 4.93 #2 Wed, 13 Oct 2021 20:31:49 -0700 220-We do not authorize the use of this system to transport unsolicited, 220 and/or bulk e-mail.
Oct 14, 2021 05:31:49.792527914 CEST	49818	587	192.168.2.3	182.50.132.92	EHLO 579569
Oct 14, 2021 05:31:50.057771921 CEST	587	49818	182.50.132.92	192.168.2.3	250-sg2plcpnl0023.prod.sin2.secureserver.net Hello 579569 [102.129.143.33] 250-SIZE 52428800 250-8BITMIME 250-PIPELINING 250-AUTH PLAIN LOGIN 250-CHUNKING 250-STARTTLS 250-SMTPUTF8 250 HELP
Oct 14, 2021 05:31:50.058363914 CEST	49818	587	192.168.2.3	182.50.132.92	STARTTLS
Oct 14, 2021 05:31:50.328748941 CEST	587	49818	182.50.132.92	192.168.2.3	220 TLS go ahead

Code Manipulations

Statistics

Behavior

Click to jump to process

System Behavior

Analysis Process: sale order.exe PID: 6128 Parent PID: 4960

General

Start time:	05:30:11
Start date:	14/10/2021
Path:	C:\Users\user\Desktop\sale order.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\Desktop\sale order.exe'
Imagebase:	0xb90000
File size:	385536 bytes
MD5 hash:	9D3FE8ED9FD927C91DD268F70A4C20B9
Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Yara matches:	• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000000.00000002.281050930.00000000040E9000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000000.00000002.281050930.00000000040E9000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AntiVM_3, Description: Yara detected AntiVM_3, Source: 00000000.00000002.280846228.0000000003187000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000000.00000002.281236179.000000000426E000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000000.00000002.281236179.000000000426E000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AntiVM_3, Description: Yara detected AntiVM_3, Source: 00000000.00000002.280713991.00000000030E1000.00000004.00000001.sdmp, Author: Joe Security
Reputation:	low

File Activities

Show Windows behavior

File Created

File Written

File Read

Analysis Process: RegSvcs.exe PID: 4524 Parent PID: 6128

General

Start time:	05:30:16
Start date:	14/10/2021
Path:	C:\Windows\Microsoft.NET\Framework\v4.0.30319\RegSvcs.exe
Wow64 process (32bit):	true
Commandline:	C:\Windows\Microsoft.NET\Framework\v4.0.30319\RegSvcs.exe
Imagebase:	0xc30000
File size:	45152 bytes
MD5 hash:	2867A3817C9245F7CF518524DFD18F28

Has elevated privileges:	true
Has administrator privileges:	true
Programmed in:	.Net C# or VB.NET
Yara matches:	• Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000003.00000002.536714817.0000000003215000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000003.00000002.534073873.0000000000402000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_2, Description: Yara detected AgentTesla, Source: 00000003.00000002.534073873.0000000000402000.00000040.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_AgentTesla_1, Description: Yara detected AgentTesla, Source: 00000003.00000002.536098752.0000000002F11000.00000004.00000001.sdmp, Author: Joe Security • Rule: JoeSecurity_CredentialStealer, Description: Yara detected Credential Stealer, Source: 00000003.00000002.536098752.0000000002F11000.00000004.00000001.sdmp, Author: Joe Security
Reputation:	high

File Activities

Show Windows behavior

File Created

File Written

File Read

Registry Activities

Show Windows behavior

Key Value Created

Analysis Process: NXLun.exe PID: 6440 Parent PID: 3352

General

Start time:	05:30:44
Start date:	14/10/2021
Path:	C:\Users\user\AppData\Roaming\NXLun\NXLun.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\AppData\Roaming\NXLun\NXLun.exe'
Imagebase:	0xf90000
File size:	45152 bytes
MD5 hash:	2867A3817C9245F7CF518524DFD18F28
Has elevated privileges:	false
Has administrator privileges:	false
Programmed in:	.Net C# or VB.NET
Antivirus matches:	• Detection: 0%, Metadefender, Browse • Detection: 0%, ReversingLabs
Reputation:	high

File Activities

Show Windows behavior

File Created

File Written

File Read

Analysis Process: conhost.exe PID: 6436 Parent PID: 6440

General

Start time:	05:30:45
Start date:	14/10/2021
Path:	C:\Windows\System32\conhost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\system32\conhost.exe 0xffffffff -ForceV1
Imagebase:	0x7ff7f20f0000
File size:	625664 bytes
MD5 hash:	EA777DEEA782E8B4D7C7C33BBF8A4496
Has elevated privileges:	false
Has administrator privileges:	false
Programmed in:	C, C++ or other language
Reputation:	high

Analysis Process: NXLun.exe PID: 1240 Parent PID: 3352

General

Start time:	05:30:53
Start date:	14/10/2021
Path:	C:\Users\user\AppData\Roaming\NXLun\NXLun.exe
Wow64 process (32bit):	true
Commandline:	'C:\Users\user\AppData\Roaming\NXLun\NXLun.exe'
Imagebase:	0x7ff70d6e0000
File size:	45152 bytes
MD5 hash:	2867A3817C9245F7CF518524DFD18F28
Has elevated privileges:	false
Has administrator privileges:	false
Programmed in:	.Net C# or VB.NET
Reputation:	high

File Activities

Show Windows behavior

File Written

File Read

Analysis Process: conhost.exe PID: 3732 Parent PID: 1240

General

Start time:	05:30:53
Start date:	14/10/2021
Path:	C:\Windows\System32\conhost.exe
Wow64 process (32bit):	false
Commandline:	C:\Windows\system32\conhost.exe 0xffffffff -ForceV1
Imagebase:	0x7ff7f20f0000
File size:	625664 bytes
MD5 hash:	EA777DEEA782E8B4D7C7C33BBF8A4496
Has elevated privileges:	false
Has administrator privileges:	false
Programmed in:	C, C++ or other language
Reputation:	high

Disassembly

Code Analysis