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Microsoft security software deter	•		- f th				
This family of malware work toge Win32/Sirefef and Win32/Medfo control of your PC.							
These threats can be installed at	the same time as roque securi	tv software, such as		Pownload and update			
Rogue:Win32/Winwebsec. We ha Win32/Beebone family, the Win3	ive also seen them installed by	variants of the Blac	ole family, the	Submit a file			
Find out ways that malware can g				Alert level: Severe First detected by definition: 1.139.525.0 Latest detected by definition: 1.207.1383.0 and high First detected on: Oct 24, 2012 This entry was first published on: Oct 24, 2012			
Use the following free Microsoft		e this threat:		This entry was updated on: Sep 01, 2014			
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Microsoft Safety Scanner				Trojan-Dropper.Win32.Necurs.va (Kaspersky)			
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Xbox	Support home Knowledge base		Investor relation	ns Security for IT Pros			
Skype	Microsoft community	,	Site map	Security for developers			
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Trojan:Win32/Necurs

Summary

Technical information

Threat behavior

Installation

It is downloaded onto your PC via a drive-by download when you access compromised or infected websites.

It can be installed on its own or alongside rogue security software, such as Rogue:Win32/Winwebsec, We have also observed it being installed by variants of the Blacole family, the Win32/Beebone family, the Win32/Zbot family, and the Win32/Dorkbot family.

The malware downloads itself into the folder <code>%windir%\Installer\<random GUID></code>, where <random GUID> is a unique number that identifies your PC, for example <code>%windir%\Installer\([df3d9e18-342c-8c07-8dab-13e76d8b4322)</code>.

In the wild, we have seen it use the name syshost.exe and one of the following icons:





The threat tries to install itself as an auto-starting Windows service to run automatically after your PC restarts.

If this service installation fails, Trojan:Win32/Necurs changes the following registry entry to ensure that its copy runs at each Windows start:

 $In \ subkey: HKLM \label{limits} In \ subkey: HKLM \label{limits$

Sets value: "syshost32"

With data: "%windir%\Installer\<random GUID>\syshost.exe"

We have also seen some variants of Trojan:Win32/Necurs disabling your firewall.

Payload

Disables security software

Variants of the threat drop and run an additional component, detected as Trojan:WinNT/Necurs A. This component prevents a large number of security applications from functioning correctly, including applications from the following companies:

- Agnitum
- ALWIL
- Avira
- Beijing Jiangmin
- Beijing Rising
- BitDefender
- BullGuard
- · Check Point Software Technologies
- CJSC Returnil
- Comodo Security Solutions
- Doctor Web
- ESET
- FRISK
- G DATA
- GRISOFT
- Immunet

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Fix my software

Download and update

Submit a file

Alert level: Severe
First detected by definition: 1.139.525.0
Latest detected by definition: 1.207.1383.0 and higher
First detected on: Oct 24, 2012
This entry was first published on: Oct 24, 2012
This entry was updated on: Sep 01, 2014

This threat is also detected as: Win32/TojanDownloader.Necurs.B (ESET) Trojan-Dropper.Win32.Necurs.va (Kaspersky)

- K7 Computing
- · Kaspersky Lab
- Microsoft
- NovaShield
- Panda
- PC Tools
- · Quick Heal Technologies
- Sunbelt
- Symantec
- VirusBuster

The component can run on both 32-bit and 64-bit systems.

Contacts remote hosts

Trojan:Win32/Necurs contacts a remote host for command and control instructions via HTTP port 80.

The malware's authors frequently update the list of hosts, however we have seen it trying to connect to the following URLs:

- hxxp://pbmwtovcjeyvnauw.in/cgi-bin/auth.cgi
- hxxp://dnsplast.com/cgi-bin/auth.cgi

Commonly, malware might contact a remote host for the following purposes:

- To confirm Internet connectivity
- · To report a new infection to its author
- · To receive configuration or other data
- · To download and run arbitrary files (including updates or additional malware)
- To receive instruction from a remote attacker
- · To upload data taken from the affected PC, including:
 - · The version of Windows you are using
 - · Information about the region and language settings of your PC
 - Information about Trojan:Win32/Necurs's installation or configuration

In older variants Trojan:Win32/Necurs can be used to download rogue security software, such as Rogue:Win32/Winwebsec.

Newer variants have been observed receiving and loading a malicious DLL component from the remote host for the purpose of sending spam emails via Gmail.

 $\label{top:continuous} Trojan: Win32/Necurs saves a copy of the component as $$ \arrangle \%TEMP\% Tea7a638-d659-97f6-31a1-3ce2af08942.tmps.$

The component gets your PC's external IP address which it sends back to the remote host.

The component then receives information from the remote host which it uses to send spam emails via Gmail.

Additional information

Some variants of Trojan:Win32/Necurs can inject code into all running processes. The injected code is known as a "dead byte"; certain system processes will cause your PC to restart if they are injected with this code.

When dropping the Trojan:WinNT/Necurs.A component on a 64-bit PC, Trojan:Win32/Necurs bypasses kernel patch protection (commonly known as "PatchGuard").

All data sent and received by Trojan:Win32/Necurs is encrypted and signed with an MD5 or SHA1 encryption key.

Related encyclopedia entries

Rogue;Win32/Winwebsec

Trojan:WinNT/Necurs.A

Win32/Sirefef Win32/Medfos

Blacole

Win32/Beebone

Win32/Dorkbot

Win32/Zbot

Analysis by Tim Liu

Symptoms

System changes

The following could indicate that you have this threat on your PC:

• The presence of the following files:

%windir%\Installer\<random GUID>\syshost.exe %TEMP%\<random GUID>.tmps

where <random GUID> is a unique number that identifies your PC, for example (df3d9e18-342c-8c07-8dab-13e76d8b4322)

The presence of a file using one of the following icons:





· The presence of the following registry modification:

In subkey: HKLM\Software\Microsoft\Windows\CurrentVersion\Run Sets value: "syshost32" With data: "%windir%\Installer\<random GUID>\syshost.exe"

· Your installed security application does not run correctly or does not run at all

Prevention

Microsoft Store

Take these steps to help prevent infection on your PC.

Тор			
Provide feedback			
Other Microsoft sites	Downloads	About	Popular resources
Windows	Download Center	The MMPC	Security and privacy blogs
Office	Windows downloads Office downloads	Evaluating our protection MMPC Privacy Statement	Security Response Center
☐. Surface		Microsoft	Security Intelligence Report
Windows Phone	Support	Careers	Microsoft Safety & Security Center
Mobile devices	lobile devices Support home	Citizenship Company news	Malware Protection Center
		Investor relations	Security for IT Pros
Skype	Microsoft community	Site map	Security for developers
MSN			Trustworthy Computing
Bing			

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