

# **Sophos Endpoint Security and Control**

Sophos Endpoint Security and Control

**Sophos Anti-Virus** HIPS ()

**Sophos** (HIPS) Windows

**Sophos Live Protection** Sophos

Sophos Sophos

**Sophos Application Control**

**Sophos Device Control**

**Sophos Data Control**

**Sophos Web Control**

**Sophos Client Firewall**

**Sophos AutoUpdate**

**Sophos Tamper Protection** ()  
Control Sophos

Sophos Endpoint Security and

# **Sophos Endpoint Security and Control**

Sophos Endpoint Security and Control

# Sophos

Sophos Endpoint Security and Control Sophos

Sophos Endpoint Security and Control Windows  
Sophos

<b>Windows</b>	<b>Sophos</b>
	SophosAdministrator
	SophosPowerUser
	SophosUser

Sophos

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## SophosUsers

SophosUsers

- Sophos Endpoint Security and Control
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## SophosPowerUsers

SophosPowerUsers SophosUsers

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## SophosAdministrators

## SophosAdministrators    Sophos Endpoint Security and Control

: SophosAdministrator

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# Sophos

Windows Administrators Sophos  
Security and Control

Sophos Endpoint

Sophos

1. Windows
- 2.
- 3.
- 4.
5. Sophos
  - **SophosAdministrator**
  - **SophosPowerUser**
  - **SophosUser**
6. Sophos

Windows

Sophos Endpoint Security and Control

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- Sophos

## SophosAdministrator

1. > **HIPS** > **HIPS** > >

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()

Sophos Anti-Virus





Sophos 114345 ( <http://www.sophos.com/en-us/support/knowledgebase/114345.aspx>)()

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HIPS Sophos 12790  
<http://www.sophos.com/en-us/support/knowledgebase/12790.aspx> (  
)

: Sophos Endpoint Security and Control

### Sophos Anti-Virus

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PUA ()
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SophosAdministrator

Sophos Endpoint Security and Control

1. **HIPS HIPS**
- 2.

: Sophos Endpoint Security and Control

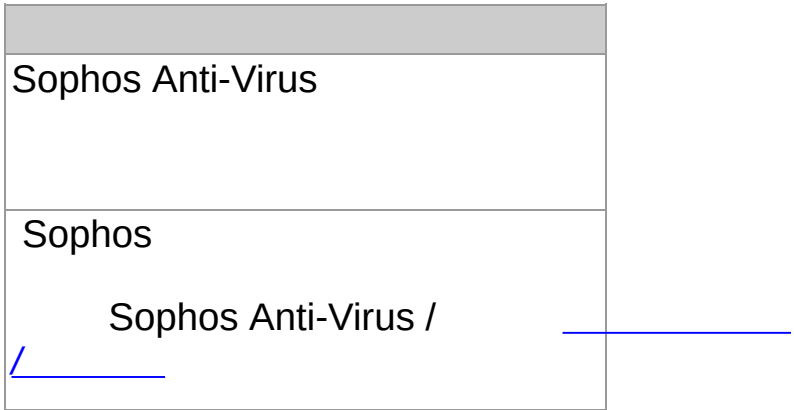
1. > **HIPS** > **HIPS** > >

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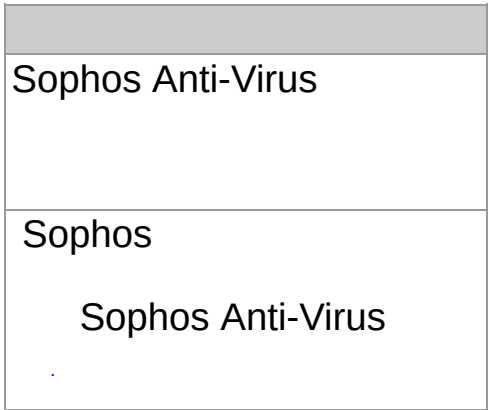
3. / /

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4. / Sophos Anti-Virus



5. Sophos Anti-Virus



Sophos Anti-Virus

Sophos Anti-Virus

Sophos Endpoint Security and Control

1. **HIPS HIPS**

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: Sophos Endpoint Security and Control

1. **HIPS HIPS**

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Windows Explorer



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: Sophos Endpoint Security and Control

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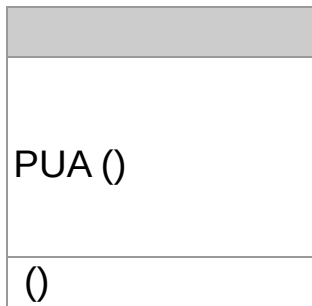
: Sophos Endpoint Security and Control

Sophos Anti-Virus

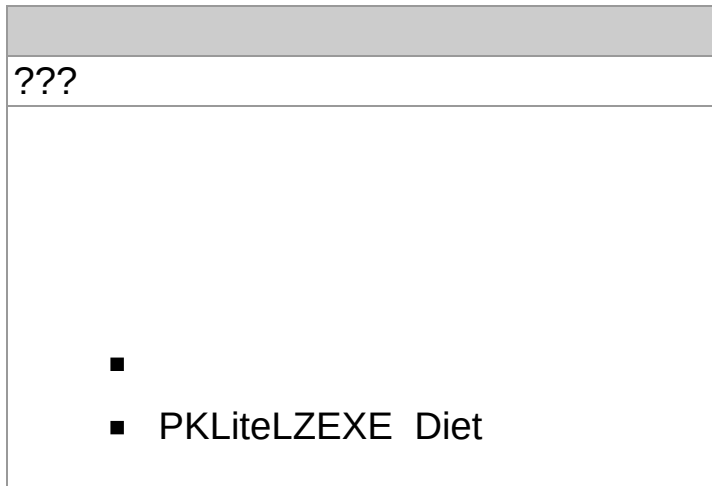
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- (PUA)

1. **HIPS HIPS**

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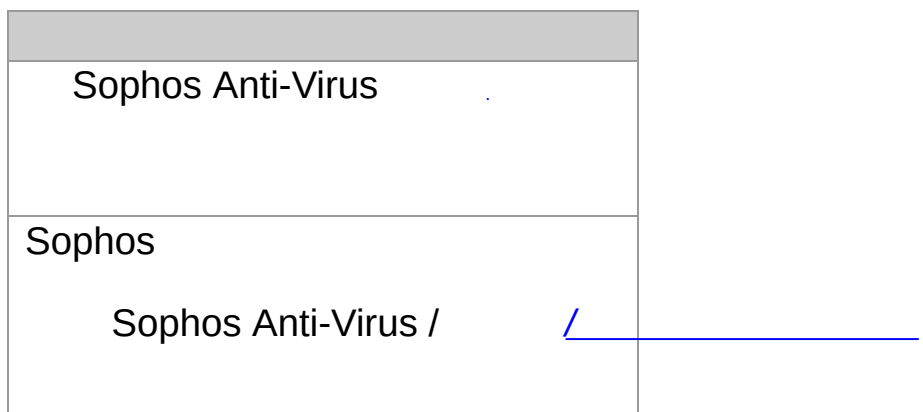
: Sophos Endpoint Security and Control

1. > HIPS > HIPS > >

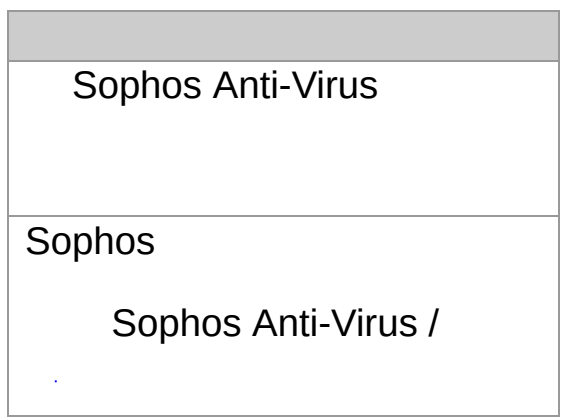
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## Windows Explorer

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**Sophos Anti-Virus**

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: Sophos Endpoint Security and Control

Sophos Anti-Virus

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- (PUA)
- Rootkit

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PUA ()
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SophosAdministrator Rootkit <b>Rootkit</b> Rootkit

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Windows Vista

: Sophos Endpoint Security and Control

1. **HIPS**

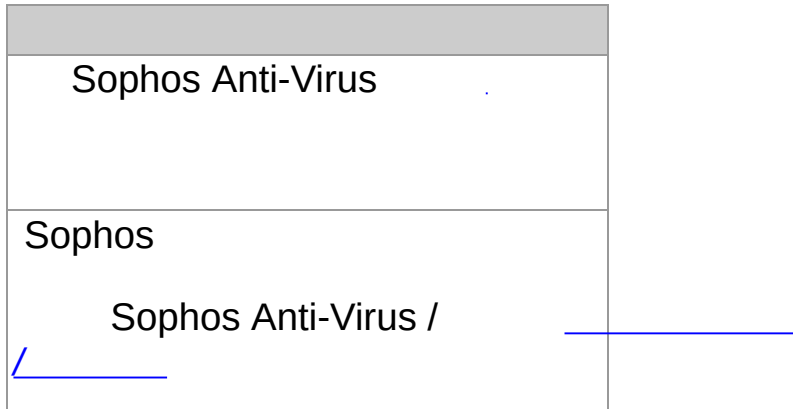
2.

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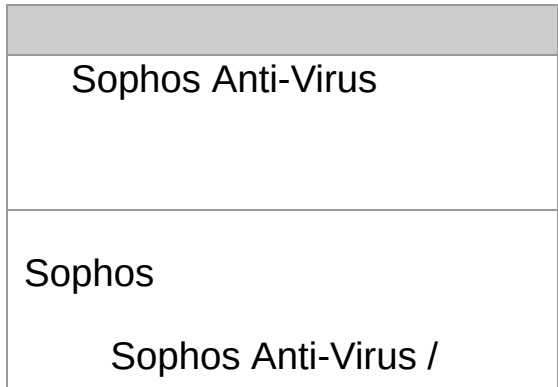
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## SophosAdministrator

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**Sophos Endpoint Security and Control**

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: Sophos Endpoint Security and Control

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: Sophos Endpoint Security and Control

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Sophos Anti-Virus Windows

MySample.txt.doc = MySample.txt + .doc

	C:\Documents\CV.doc \\Server\Users\? Documents\CV.doc \\Server\Users\Documents\CV.doc	C:\Program Files\Sophos\Sophos Anti- Virus C:\Progra~1\Sophos\Sophos~1 <u><a href="#">13045</a></u>
	C:\Windows\notepad.exe	
	spacer.gif	
	C: \\Server\<sharename>\	
	D:\Tools\logs\	
	\Tools\logs\ C:\Tools\logs\ \\Server\Tools\logs\	\logs\

: \* ? Windows Server 2003

*	\ /	c:\*\*.txt C:\ *.txt : * be
**	\ / \ / ** * \ /	<ul style="list-style-type: none"> <li>■ c:\foo\**\bar</li> <li>■ c:\foo\bar</li> <li>■ c:\foo\more\bar</li> <li>■ c:\foo\even\more\bar</li> <li>■ **\bar c:\foo\bar</li> <li>■ c:\foo\**</li> <li>■ c:\foo\more\bar</li> <li>■ c:\foo**bar</li> <li>■ c:\foomorebar</li> <li>■ c:\foo\more\bar</li> </ul>
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.		<ul style="list-style-type: none"> <li>■ *.*</li> <li>■ *</li> <li>■ "foo." "foo" "</li> <li>■ "foo."</li> </ul>

|-----|-----|-----|

foo	**\foo	foo
foo\bar	**\foo\bar	foo bar
*.txt	**\*.txt	*txt
C:	C:	C:
C:\	C:\	C:
C:\foo\	C:\foo\	C:\foo C:\foo
C:\foo\*.txt	C:\foo\*.txt	C:\foo *.txt

	<b>Windows 7 Windows Server 2008</b>	<b>Windows 2003 Windows XP Windows Vista</b>
%allusersprofile%\	C:\ProgramData\	C:\Documents and Settings\All Users\
%appdata%\	C:\Users\*\AppData\Roaming\	C:\Documents and Settings\*\Application Data\
%commonprogramfiles%\	C:\Program Files\Common Files\	C:\Program Files\Common Files\
%commonprogramfiles(x86)%\	C:\Program Files (x86)\Common Files\	C:\Program Files (x86)\Common Files\
%localappdata%\	C:\Users\*\AppData\Local\	C:\Documents and Settings\*\Local Settings\
%programdata%\	C:\ProgramData\	C:\Documents and Settings\*\Application Data\
%programfiles%\	C:\Program Files\	C:\Program Files\
%programfiles(x86)%\	C:\Program Files (x86)\	C:\Program Files (x86)\
%systemdrive%\	C:	C:
%systemroot%\	C:\Windows\	C:\Windows\
%temp%\ %tmp%\	C:\Users\*\AppData\Local\Temp\	C:\Documents and Settings\*\Local Settings\
%userprofile%\	C:\Users\*\	C:\Documents and Settings\*\

%windir%\

C:\Windows\

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## Sophos Windows

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Sophos (HIPS)

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: Sophos Endpoint Security and Control

SophosAdministrator

1. > **HIPS** > **HIPS** > >
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: Sophos Endpoint Security and Control

SophosAdministrator

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- 3.

: Sophos Endpoint Security and Control

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SophosAdministrator

1. > **HIPS** > **HIPS** > >

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: Sophos Endpoint Security and Control

SophosAdministrator

1. > **HIPS** > **HIPS** > >
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# Sophos Live Protection

Sophos Live Protection Sophos anti-Virus

Sophos Live Protection Sophos

Sophos Live Protection

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- (IDE) () Sophos

- SophosLabs

- **Sophos**

- Sophos Sophos

- Sophos

# Sophos Live Protection

: Sophos Endpoint Security and Control

SophosAdministrator Sophos Live Protection

1. > **HIPS** > **HIPS** > > **Sophos Live Protection**
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Sophos



# Sophos

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- **HIPS**       **HIPS**

# Sophos Web Protection

Sophos Web Protection

- URL
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**URL**

URL Sophos

: Windows 7

URL

: SophosLabs Sophos Live ProtectionSophos Live  
Protection

[121319](#)

*Sophos Web Protection*

- Internet Explorer
- Edge
- Google Chrome
- Firefox
- Safari
- Opera

# Sophos Web Protection

: Sophos Endpoint Security and Control

## Sophos Web Protection

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: Sophos Endpoint Security and Control

## Sophos Anti-Virus

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: Sophos Endpoint Security and Control

Sophos Anti-Virus

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## Sophos Endpoint Security and Control

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: Sophos Endpoint Security and Control

Sophos Sophos

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# Quarantine manager

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Show: All items

Type	Name	Details	Available actions
Virus/spyware	EICAR-AV-Test	C:\Documents and Settings...\eicar.com [more...]	Clean up

6

7

8

Select all Deselect all Clear from list

9

Perform action

5

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2	Sophos
3	Rootkit Rootkit
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<b>8</b>	
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Sophos

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Sophos Anti-Virus Sophos  
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- Sophos Anti-Virus
- Windows Administrators SophosAdministrator

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Sophos Anti-Virus

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Sophos Anti-Virus

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Sophos Anti-Virus Sophos



: Sophos Endpoint Security and Control

Sophos Anti-Virus

1. > **HIPS** > **HIPS** > >

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Sophos Anti-Virus

Sophos Anti-Virus

: Windows 8

: Sophos Endpoint Security and Control

Sophos Anti-Virus

1. > **HIPS** > **HIPS** > >
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Sophos Anti-Virus

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Sophos Anti-Virus

Sophos Anti-Virus

**SMTP**

SMTP ()

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SMTP	

# SNMP

: Sophos Endpoint Security and Control

Sophos Anti-Virus SNMP

- 1. > **HIPS** > **HIPS** > >
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## SNMP

Sophos Anti-Virus SNMP

Sophos Anti-Virus SNMP

Sophos Anti-Virus

Sophos Anti-Virus SNMP

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IP

## SNMP

SNMP

SNMP SNMP

## Sophos Anti-Virus Windows

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## Sophos Anti-Virus Windows

Sophos Anti-Virus

Sophos Anti-Virus

Sophos Anti-Virus

<b>Windows Vista</b> <b>Windows 7</b> <b>Windows 8</b> <b>Windows 8.1</b> <b>Windows 10</b> <b>Windows Server 2008</b> <b>Windows Server 2008 R2</b> <b>Windows Server 2012</b> <b>Windows Server 2012 R2</b>	C:\ProgramData\Sophos\Sophos Anti-Virus\logs\SAV.txt
<b>Windows</b>	C:\Documents and Settings\All Users\Application Data\Sophos\Sophos Anti- Virus\logs\SAV.txt

1. > **HIPS** > **HIPS** >

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**HIPS**

**HIPS**



: Sophos Endpoint Security and Control

SophosAdministrator

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# Sophos Endpoint Security and Control

- (PC )
- (CD-ROM/DVD/Blu-ray )
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- (Wi-Fi 802.11 )

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- (IrDA IrDA)

- MTP/PTP

(MTP) (PTP)

: Sophos Endpoint Security and Control

Sophos Administrator ()

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Sophos Endpoint Security and Control

SophosAdministrator

: Sophos Endpoint Security and Control

SophosAdministrator

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2. **Sophos**

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- DOS
- Windows Explorer

Windows Explorer

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Sophos Web Control

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Sophos Endpoint Security and Control

SophosAdministrator

: Sophos Endpoint Security and Control

SophosAdministrator

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Windows 8



## Sophos Endpoint Security and Control

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- ICMP
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- FTP
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SophosAdministrator

Sophos Endpoint Security and Control

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: Sophos Endpoint Security and Control

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- Windows 7

IPv6

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IPv6

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## : Windows 8 Sophos Anti-Virus HIPS

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# ICMP

(ICMP) ICMP

ICMP ICMP

[ICMP](#)

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- Windows 7
- Windows 8 ICMP

**ICMP**

IP TCP/IP

**ping**

**IPv4**

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- [Rawsocket](#)
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# **Rawsocket**

Rawsocket

Rawsocket Rawsocket

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- [Rawsocket](#)

## **Rawsocket**

Rawsocket

Rawsocket

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## Sophos Client Firewall

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Sophos

<http://www.sophos.com/en-us/support/knowledgebase/57757.aspx>

## Rawsocket

rawsocket

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- **NetBIOS**

TCP	137-139 445
TCP	137-139 445
UDP	137 138
UDP	137 138

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- TCP

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## : Windows 8 Sophos Anti-Virus HIPS

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Rawsocket ()

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- [Rawsocket](#)

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## Sophos Client Firewall

- VPN
- ISP      ISP

ISP

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1. MAC

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DNS

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**Sophos Endpoint Security and Control**

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<b>DNS</b>	IP
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## Sophos Client Firewall

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CSV

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Sophos AutoUpdate 10 60

Sophos AutoUpdate 60

Sophos Endpoint Security and Control



## : Sophos Endpoint Security and Control

### Sophos AutoUpdate

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Sophos AutoUpdate 60

## Sophos AutoUpdate

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## Sophos AutoUpdate

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# Proxy

Sophos AutoUpdate Proxy

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4. **Proxy**
- 5.
6. Proxy

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Sophos AutoUpdate

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: Sophos Anti-Virus

## **SophosUsers and SophosPowerUsers**

SophosUser SophosPowerUser

SophosUsers SophosPowerUsers

Sophos [Sophos](#)

## **SophosAdministrators**

SophosAdministrator

Sophos Endpoint Security and Control

SophosAdministrator

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- Sophos Endpoint Security and Control (Sophos Anti-VirusSophos Client FirewallSophos AutoUpdateSophos Remote Management System)
- Sophos SafeGuard Disk Encryption

SophosAdministrator

SophosAdministrators

: Sophos Endpoint Security and Control

Sophos Endpoint Security and Control SophosAdministrator

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: Sophos Endpoint Security and Control

SophosAdministrator

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: Sophos Endpoint Security and Control

SophosAdministrator

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SophosAdministrator

Sophos Endpoint Security and Control Sophos Endpoint  
Security and Control

Sophos Endpoint Security and Control

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## SophosAdministrator

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: Sophos Endpoint Security and Control

SophosAdministrator

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# Sophos

SophosAdministrator Sophos

- Sophos Endpoint Security and Control (Sophos Anti-VirusSophos Client FirewallSophos AutoUpdateSophos Remote Management System)
- Sophos SafeGuard Disk Encryption

Sophos

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SophosAdministrator

- [Sophos Endpoint Security and Control](#)
- [Sophos Endpoint Security and Control](#)
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# Sophos Endpoint Security and Control

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# Sophos Endpoint Security and Control

Sophos Endpoint Security and Control Proxy ()

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Proxy [Proxy](#)

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Sophos Anti-Virus



## Sophos Anti-Virus

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## Sophos Anti-Virus

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## **NTFS**

NTFS (Windows XP )

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: Sophos Endpoint Security and Control

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1. **HIPS HIPS**

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# Sophos Endpoint Security and Control

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- Anti-virus HIPS

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## Sophos Endpoint Security and Contro

1. Windows

2.

- Anti-virus HIPS **Sophos Anti-Virus**
- **Sophos Client Firewall**

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## Sophos Client Firewall

## Windows Administrators

1. Windows
2. **Sophos Client Firewall** Manager
3. C:\Documents and Settings\All Users\Application Data\Sophos\Sophos Client Firewall\logs
4. op\_data.mdb
5. **Sophos Client Firewall** Manager

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(PUA)

() ICMP

**(Content Control List) (CCL)**

SophosLabs Content Control List (SophosLabs )

Content Control List ()

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**(HIPS)**

**ICMP**  
(Internet Control Message Protocol) IP

**ICMP**

( MSN)

Windows 7

Sophos Client Firewall

Windows 7

Sophos Client Firewall

Content Control List

**NetBIOS**

// Windows NetBIOS

Sophos Anti-Virus

## **Rawsocket**

Rawsocket

Windows Explorer

## **Rootkit**

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## **Sophos Live Protection**

- Sophos Anti-Virus

TCP UDP

(PC )CD/DVD ( SanDisk Cruzer Enterprise  
Kingston Data TravellerIronKey Enterprise IronKey Basic  
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() Sophos Endpoint Security and Control Sophos

**(IDE)**



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Sophos Client Firewall

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