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** ()  Sophos Endpoint Security and Control  Sophos
Sophos Endpoint Security and Control

Sophos Endpoint Security and Control
**Sophos**

Sophos Endpoint Security and Control  Sophos

Sophos Endpoint Security and Control  Windows

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<thead>
<tr>
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**SophosUsers**

SophosUsers

- Sophos Endpoint Security and Control
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**SophosPowerUsers**

SophosPowerUsers  SophosUsers

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**SophosAdministrators**
Sophos Administrators  Sophos Endpoint Security and Control

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Windows Administrators  Sophos  Sophos Endpoint Security and Control

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   - SophosAdministrator
   - SophosPowerUser
   - SophosUser

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Windows  Sophos Endpoint Security and Control
- Sophos
SophosAdministrator

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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 Anti-Virus

Sophos Endpoint Security and Control

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Sophos Endpoint Security and Control

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Sophos Endpoint Security and Control

Sophos Anti-Virus

- (PUA)
- Rootkit

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**Rootkit**

SophosAdministrator
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Sophos Anti-Virus  Windows
MySample.txt.doc = MySample.txt + .doc
<p>| C:\Documents\CV.doc | C:\Program Files\Sophos\Sophos Anti-Virus |
|\Server\Users? Documents\CV.doc | C:\Program<del>1\Sophos\Sophos</del>1 |
|\Server\Users\Documents\CV.doc | 13045 |
| C:\Windows\notepad.exe |
| spacer.gif |
| C: | \Server&lt;sharename&gt;\ |
| D:\Tools\logs\ |
| \Tools\logs\ |
| C:\Tools\logs, \Server\Tools\logs) | \logs\ |</p>
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- `c:\foo\**\bar`
- `c:\foo\bar`
- `c:\foo\more\bar`
- `c:\foo\even\more\bar`
- `**\bar`  `c:\foo\bar`
- `c:\foo\**`  `c:\foo\more\bar`
- `c:\foo**bar`
- `c:\foomorebar`
- `c:\foo\more\bar`
- `*.*`
- `*.*`
- "foo."  "foo"  "foo."
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<td>foo bar</td>
</tr>
<tr>
<td>*.txt</td>
<td><strong>*.txt</strong></td>
<td>*.txt</td>
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<td>C:</td>
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<td>C:</td>
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<td>C:\</td>
<td>C:\</td>
<td>C:\foo</td>
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<td>C:\foo *.txt</td>
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<td>----------------------------------</td>
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<tr>
<td>%allusersprofile%\</td>
<td>C:\ProgramData\</td>
<td></td>
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<tr>
<td>%appdata%\</td>
<td>C:\Users*\AppData\Roaming\</td>
<td>C:\Document and Settings\AppData\</td>
</tr>
<tr>
<td>%commonprogramfiles%| C:\Program Files\Common Files\</td>
<td></td>
<td></td>
</tr>
<tr>
<td>%commonprogramfiles(x86)%\</td>
<td>C:\Program Files (x86)\Common Files\</td>
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</tr>
<tr>
<td>%localappdata%\</td>
<td>C:\Users*\AppData\Local\</td>
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<td>%programdata%\</td>
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<td>%systemdrive%\</td>
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<td>C:\Windows\</td>
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<td>%temp%\ %tmp%\</td>
<td>C:\Users*\AppData\Local\Temp\</td>
<td>C:\Document and Settings\Temp\</td>
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<td>%userprofile%\</td>
<td>C:\Users*\</td>
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Sophos  Windows
Sophos (HIPS)
Sophos Endpoint Security and Control

SophosAdministrator

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Sophos Endpoint Security and Control

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Sophos Administrator

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**Sophos Live Protection**

Sophos Live Protection  Sophos anti-Virus

Sophos Live Protection  Sophos

Sophos Live Protection

- (IDE) ()  Sophos
  - SophosLabs

- **Sophos**
  - Sophos  Sophos
  - Sophos
Sophos Live Protection

Sophos Endpoint Security and Control

SophosAdministrator  Sophos Live Protection

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- HIPS  HIPS
Sophos Web Protection

Sophos Web Protection

- URL
URL

URL Sophos
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**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

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Rootkit Rootkit
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Sophos Anti-Virus
Windows Administrators  SophosAdministrator
1. HIPS

2. Sophos Anti-Virus

Rootkit
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Sophos Anti-Virus  Sophos Anti-Virus  Sophos
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1. HIPS

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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 Anti-Virus

Sophos Anti-Virus

Sophos Anti-Virus

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Sophos Anti-Virus  SNMP

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Sophos Anti-Virus  SNMP

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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)
- ()
- (Wi-Fi 802.11)
- (IrDA IrDA )
- MTP/PTP
  (MTP) (PTP)
Sophos Endpoint Security and Control

Sophos Administrator ()

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Sophos Endpoint Security and Control

SophosAdministrator
Sophos Administrator

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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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Sophos Endpoint Security and Control

- **ICMP**
- **FTP**
SophosAdministrator

Sophos Endpoint Security and Control

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   - : () Windows 8
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   - Windows 8 ICMP
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Sophos Client Firewall
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rawsocket

- NetBIOS

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Rawsocket

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  - Rawsocket
Sophos Client Firewall

- VPN
- ISP ISP

ISP

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- HTTP 80

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Sophos AutoUpdate 10 60

Sophos AutoUpdate 60

Sophos Endpoint Security and Control
Sophos Endpoint Security and Control

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Sophos AutoUpdate

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Sophos AutoUpdate Proxy

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Sophos AutoUpdate ()

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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

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Sophos Administrator

- Sophos Endpoint Security and Control (Sophos Anti-Virus, Sophos Client Firewall, Sophos AutoUpdate, Sophos Remote Management System)
- Sophos SafeGuard Disk Encryption

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SophosAdministrator
- Sophos Endpoint Security and Control
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Sophos Anti-Virus

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NTFS (Windows XP)
1. Sophos Anti-Virus

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Sophos Anti-Virus
Sophos Anti-Virus / Sophos
Sophos Anti-Virus
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Sophos Endpoint Security and Control

Sophos Anti-Virus

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Windows    Sophos Anti-Virus    Sophos Anti-Virus
.dll .ocx ()/ Sophos Anti-Virus
- Anti-virus
- HIPS
Sophos Endpoint Security and Control
1. Windows
2.  
   - Anti-virus HIPS Sophos Anti-Virus
   - Sophos Client Firewall
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
(PUA)

() ICMP

(Content Control List) (CCL)
SophosLabs Content Control List (SophosLabs)
Content Control List ()
(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 Traveller IronKey Enterprise IronKey Basic
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Sophos Endpoint Security and Control Sophos

(IDE)
Sophos Anti-Virus

( ) ( ) Windows 8  Sophos Client Firewall
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SQLCipher

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