

Simple Tech

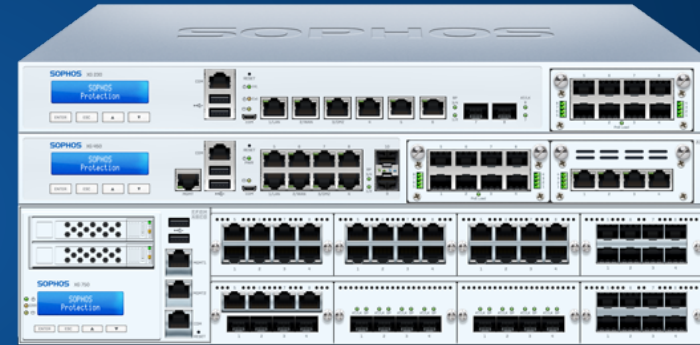
SOPHOS XG

What's New in v17

Simple Tech Sas – <http://www.simple-tech.it>

SOPHOS

XG Firewall in 2017



Top Rated
NSS Labs

Gartner

Industry Reviews



Top Quality
Streamlined deployment
Stability, Reliability and
Performance enhancements

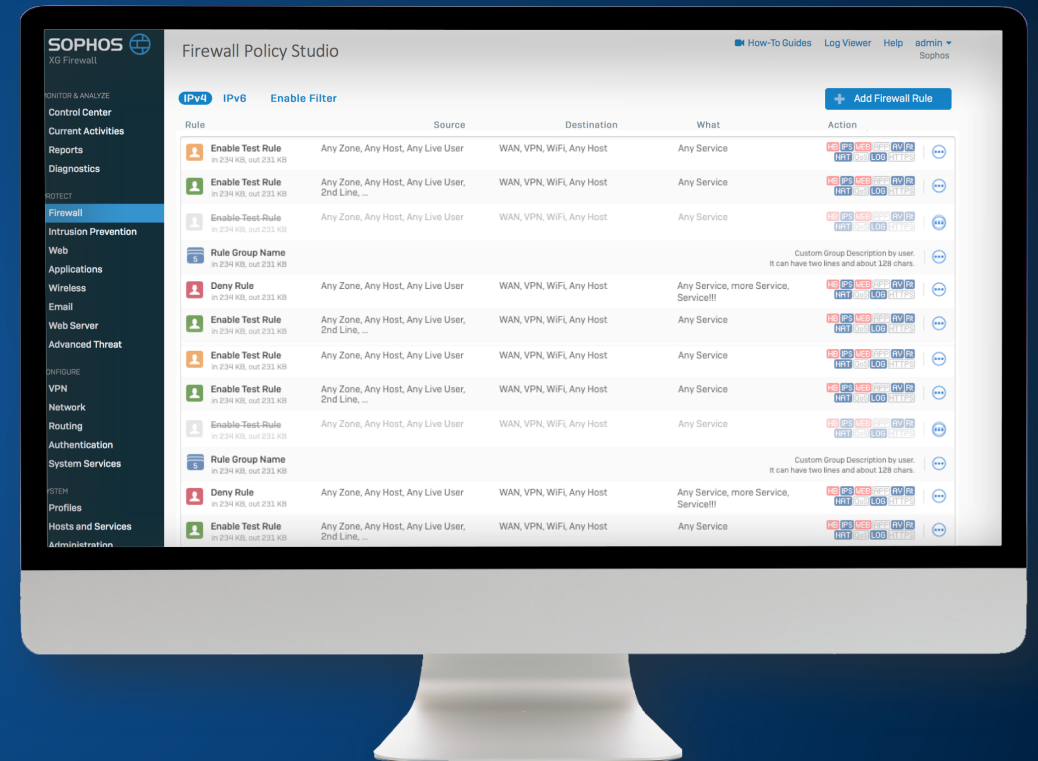


Top New Features
New Management & Troubleshooting
Breakthrough Application Control
New Hardware & More

Top Requested Features in v17

By partners and customers

- Rule management for large rule sets
- Improved logging
- Enhanced trouble-shooting tools
- IKEv2 Support
- Object-based Business Rules
- Keyword Monitoring for Education
- VPN UI Improvements
- IPS & App Policy UI Improvements
- Wildcard DNS Support



XG v17 New Features

Security & Control

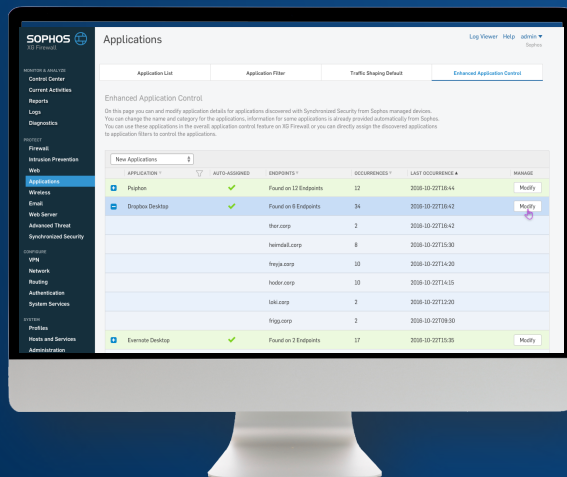
- Synchronized App Control
- Web Keyword Monitoring
- IPS & App Control UI with Smart Search and Lists

Management & Troubleshooting

- Firewall Rule Management
- Unified Log Center & more granular logging
- Policy Test Simulator

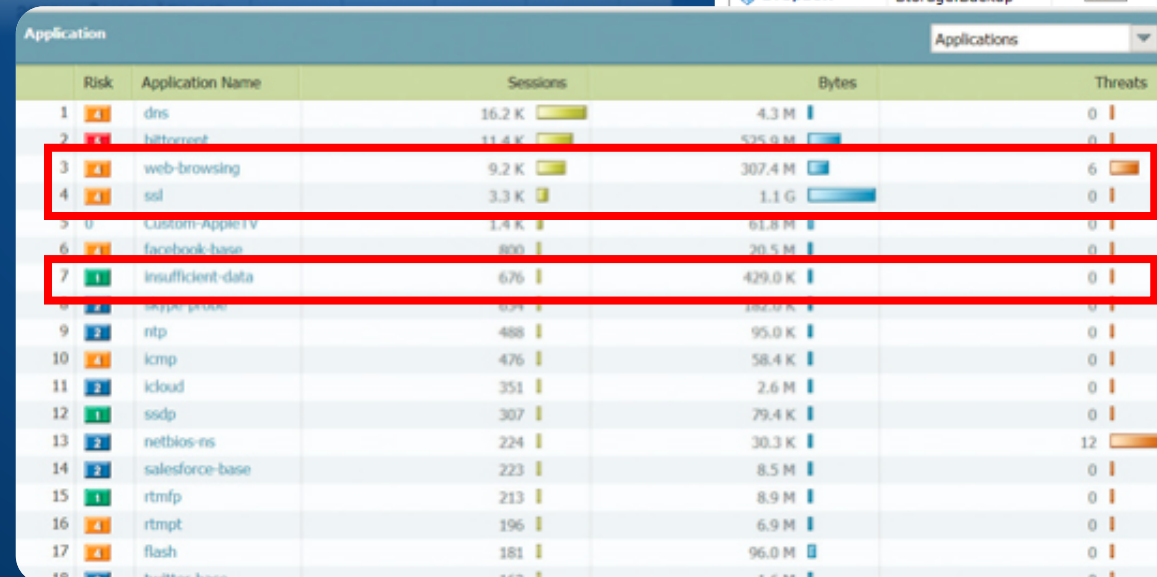
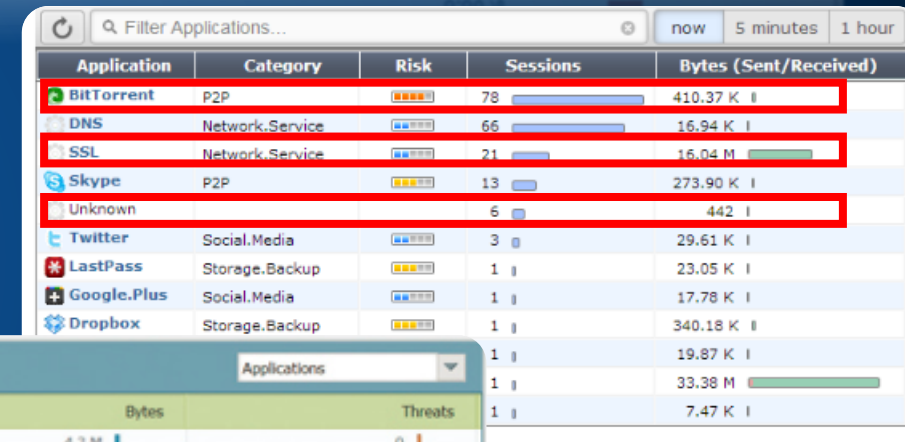
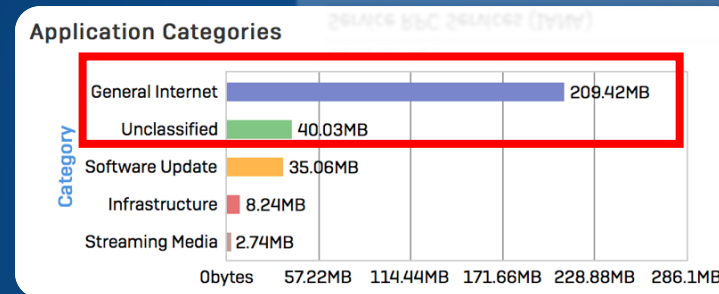
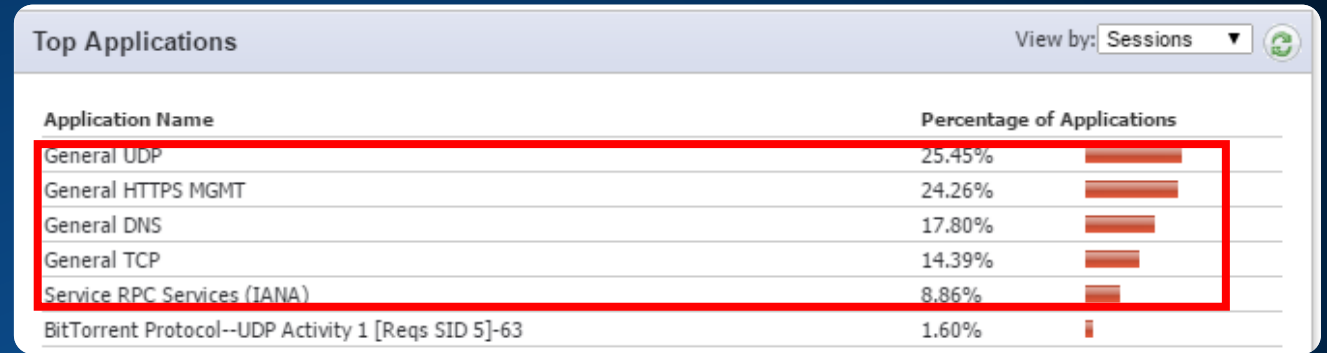
Networking & VPN

- IKEv2 Support
- VPN UI Improvements
- Wildcard DNS Support
- NAT rule enhancements



The App Control Problem

- Firewall app control is signature based
- Some apps will never have signatures
- Some apps are evasive to avoid detection
- Some app traffic is too generic (HTTP/HTTPS)



The Solution – Synchronized Security

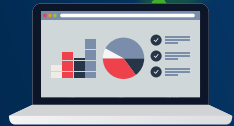
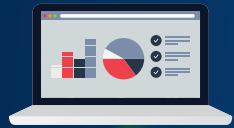
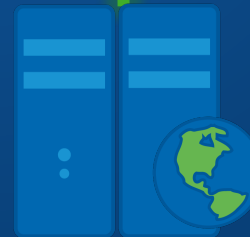
Synchronized App Identification

The Endpoint inherently knows exactly what applications are generating traffic and shares that info with the firewall in real-time

Synchronized App Control

The firewall automatically categorizes endpoint reported applications and applies app control and traffic shaping policy

Security Heartbeat™



App Control in v17

Taking Application Visibility and Control to a whole new level with Synchronized Security

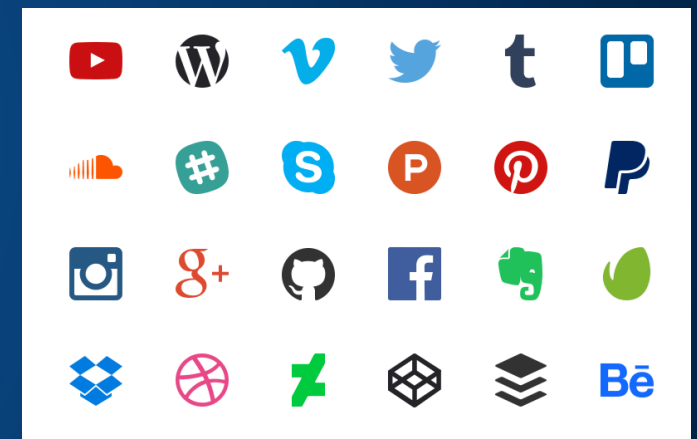
What Firewalls See Today



All firewalls today depend on static application signatures to identify apps. But those don't work for most custom, obscure, evasive, or any apps using generic HTTP or HTTPS. You can't control what you can't see.



What XG Firewall Sees



XG Firewall utilizes Synchronized Security to automatically identify, classify, and control all unknown applications. Easily blocking the apps you don't want and prioritizing the ones you do.

First Look: Next-Gen App Control

SOPHOS

MONITOR & ANALYZE

- Control Center
- Current Activities
- Reports
- Logs
- Diagnostics

PROTECT

- Firewall
- Intrusion Prevention
- Web
- Applications
- Wireless
- Email
- Web Server
- Advanced Threat
- Synchronized Security

CONFIGURE

- VPN
- Network
- Routing
- Authentication
- System Services

SYSTEM

- Profiles
- Hosts and Services
- Administration
- Backup & Firmware

- Application List
- Application Filter
- Traffic Shaping Default
- Enhanced Application Control

Enhanced Application Control

On this page you can and modify application details for applications discovered with Synchronized Security from Sophos managed devices. You can change the name and category for the applications, information for some applications is already provided automatically from Sophos. You can use these applications in the overall application control feature on XG Firewall or you can directly assign the discovered applications to application filters to control the applications.

New Applications						
APPLICATION		AUTO-ASSIGNED	ENDPOINTS	OCCURRENCES	LAST OCCURRENCE	MANAGE
	Psiphon		Found on 12 Endpoints	12	2016-10-22T16:44	<button>Modify</button>
	Dropbox Desktop		Found on 6 Endpoints	34	2016-10-22T16:42	<button>Modify</button>
			thor.corp	2	2016-10-22T16:42	
			heimdall.corp	8	2016-10-22T15:30	
			freyja.corp	10	2016-10-22T14:20	
			hodor.corp	10	2016-10-22T14:15	
			loki.corp	2	2016-10-22T12:20	
			frigg.corp	2	2016-10-22T09:30	
	Evernote Desktop		Found on 2 Endpoints	17	2016-10-22T15:35	<button>Modify</button>
	BitComet		Found on 2 Endpoints	1	2016-10-22T9:35	<button>Modify</button>
	pidgin.exe		Found on 17 Endpoints	3	2016-10-21T17:55	<button>Modify</button>
	Skype		Found on 9 Endpoints	7	2016-10-21T11:43	<button>Modify</button>

MONITOR & ANALYZE

- Control Center
- Current Activities
- Reports
- Logs
- Diagnostics

PROTECT

- Firewall
- Intrusion Prevention
- Web
- Applications**
- Wireless
- Email
- Web Server
- Advanced Threat
- Synchronized Security

CONFIGURE

- VPN
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- Profiles
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- Backup & Firmware

Application List

Application Filter

Traffic Shaping Default

Enhanced Application Control

Enhanced Application Control

On this page you can and modify application details for applications discovered with Synchronized Security from Sophos managed devices. You can change the name and category for the applications, or you can manually add applications discovered automatically from Sophos. You can use these applications in the overall application control policy or you can add them to application filters to control the applications.

New Applications			APPLICATION	AUTO-ASSIGNED	LAST OCCURRENCE	MANAGE
+	Psiphon	✓			2016-10-22T16:44	Modify
-	Dropbox Desktop	✓			2016-10-22T16:42	Modify
					2016-10-22T16:42	
					2016-10-22T15:30	
					2016-10-22T14:20	
					2016-10-22T14:15	
					2016-10-22T12:20	
					2016-10-22T09:30	
+	Evernote Desktop	✓	Found on 2 Endpoints	1	2016-10-22T15:35	Modify
+	BitComet		Found on 2 Endpoints	1	2016-10-22T9:35	Modify
+	pidgin.exe		Found on 17 Endpoints	3	2016-10-21T17:55	Modify
+	Skype	✓	Found on 9 Endpoints	7	2016-10-21T11:43	Modify

Modify Application ✕

Here you can modify attributes of the automatically categorized application, such as name, category and filter.

Application Name

Application Path

Application Category

Application Filter

- Block generally unwanted apps ✕
- Block file sharing ✕

First Look: Actionable Log Center

SOPHOS

New frequently updated Live View mode which can be paused for more detailed analysis of specific events.

Easy to read, responsive and interactive message format which adopts to your screen size.

Log Viewer



4 Alerts 9 Warnings 2 Events/s 30 Today

Log Viewer interface showing a list of log entries. The interface includes a search bar, a filter button, and a list of log entries with timestamps and domain information.

Filter: No Filter Active Add Filter

	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
	24.12.2016 - 13:00, Type Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.

Short Summary gives you a fast overview.

Power filter options makes analysis of events easy and fast.

Predefined quick filter for even faster drill down.



Log Viewer

4 Alerts 9 Warnings 2 Events/s

Log Viewer interface showing a list of log entries and a quick filter dropdown menu.

Buttons: Play, Refresh, Export, Live View disabled at 13:23:45, Search, Add Filter, Reset

Filters: From: 24.12.2016 - 12:30, Domain: *.facebook.com

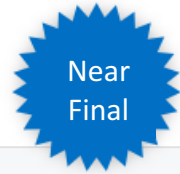
Quick Filter options:

- last 60 Minutes
- Only Alerts
- Modules with many Events/s

24.12.2016 - 13:00, Type	Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
24.12.2016 - 13:00, Type	Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
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24.12.2016 - 13:00, Type	Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
24.12.2016 - 13:00, Type	Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
24.12.2016 - 13:00, Type	Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.
24.12.2016 - 13:00, Type	Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.



Log Viewer



4 Alerts 9 Warnings 2 Events/s 30 Today

Interactive log items
make it easy to
create new filters
with only one click.

The screenshot shows the Log Viewer interface. At the top, there are controls for pausing, refreshing, and exporting logs, along with a search bar. Below this, a filter bar indicates 'No Filter Active' and provides an 'Add Filter' button. The main area displays a list of log entries, each starting with a red warning icon and a timestamp '24.12.2016 - 13:00, Type'. The log content is placeholder text: 'Domain: www.facebook.com, Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.' An 'Add Filter' dialog box is open over the log entries. It has a title 'Add Filter:' and a close button. It contains three fields: 'Field:' with a dropdown menu showing 'Domain', 'Condition:' with a dropdown menu showing 'Is', and 'Value:' with a text input field containing 'www.facebook.com'. An 'Add Filter' button is located at the bottom right of the dialog box.

Web Policy Test

Log Viewer

Policy Test

Connection Details

URL

User

Web Policy

Time and Day
 :

Result	Blocked		
Details			
URL	http://www.pokerstars.net		
Category	Gambling		
Web Policy	Default Policy		
Matched Rule Details			
Users	Activities	Action	Constraints
Anybody	Unproductive Browsing	Block	Work hours [5 Day we...

Activities
Constraints

Activity "Unproductive Browsing" contains Category "Gambling".
Work hours [5 Day week]

First Look: Enterprise Rule Management
























SOPHOS

Firewall Rule Improvements

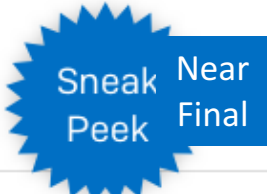
Sneak
Near peek
Final

Slimmer items in the table allows a better overview of more rules than before.

Introducing Group filter for a powerful rule organization.

 Enable Test Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service		
 Enable Test Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
 Enable Test Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service		
 Rule Group Name <small>in 234 KB, out 231 KB</small>	Custom Group Description by user. It can have two lines and about 128 chars.				
 Deny Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service, more Service, Service!!!		
 Enable Test Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
 Enable Test Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
 Enable Test Rule <small>in 234 KB, out 231 KB</small>	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		

Clear visualization of used modules in the rules.



Grouping allows a new and powerful way to organize your rules.

	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
	Deny Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service, more Service, Service!!!		
	Deny Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service, more Service, Service!!!		
	Allow Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service		
	Rule Group Name in 234 KB, out 231 KB				Custom Group Description by user. It can have two lines and about 128 chars.	
	Deny Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service, more Service, Service!!!		
	Deny Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User	WAN, VPN, WiFi, Any Host	Any Service, more Service, Service!!!		
	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		
	Enable Test Rule in 234 KB, out 231 KB	Any Zone, Any Host, Any Live User, 2nd Line, ...	WAN, VPN, WiFi, Any Host	Any Service		

Near Final

The screenshot shows a list of firewall rules in a web interface. A tooltip is open for a rule named 'Rule Name' (ID: 5 - Block). The tooltip displays the following details:

- Source:** Any Zone, Any Host, Any Live User
- Destination:** WAN, VPN, WiFi, Any Host
- What:** Any Service, more Service, Service!!!
- Features:**
 - HB** Security Heartbeat: RED
 - IPS** Lorem Ipsum
 - WEB** Web Policy Name
 - APP** No App Policy Selected
 - AV** Lorem Ipsum
 - Rt** Lorem Ipsum
 - NAT** Lorem Ipsum
 - QoS** Lorem Ipsum
 - LOG** Log enabled
 - HTTPS** HTTPS Scanning not enabled

The background shows a table of rules with columns for Name, Source, Destination, and Services. A blue starburst graphic is in the top left corner.

New powerful
tooltips for a quick
rule overview
directly in the rule
list.