# **ISAFIRE**

Applications •

Hardware •

Software •

Key features •

Roadmap •

Summary •





# Story





Story Applications Hardware Software Key features Roadmap Summary

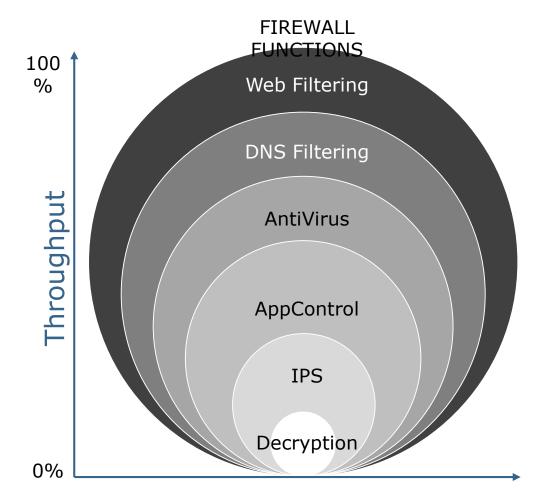
Today's enterprise-grade firewalls have highly advanced function and feature sets, that make them ideal for segmenting enterprise LANs to secure the internal network, as well as the perimeter.





The downside of all these functions is the negative impact they have on performance – which often exceeds 90% of bandwidth capacity.

This is a serious issue given the high cost of such firewalls, and the critical importance of network performance.







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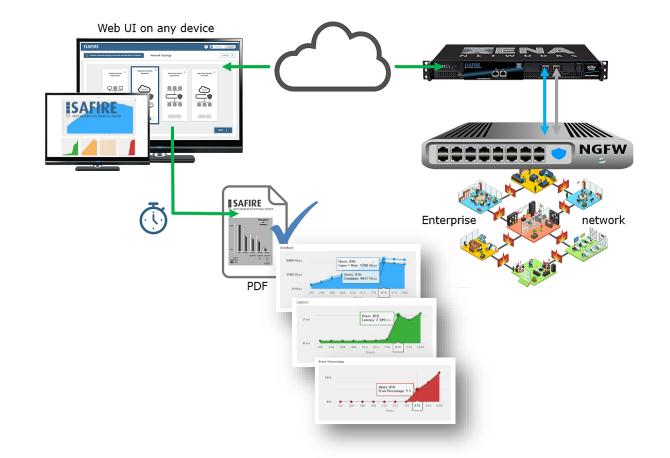
Up until now, the only solution has been to invest in complex test solutions and consultants that often cost more than the firewall itself.





Meet **Safire** - Xena's Enterprise Firewall Performance Tester.

Safire makes it easy to quickly measure the performance of firewalls under unique traffic conditions, automatically measure the **firewall's bottleneck**, and generate a PDF containing all the results and key conclusions.





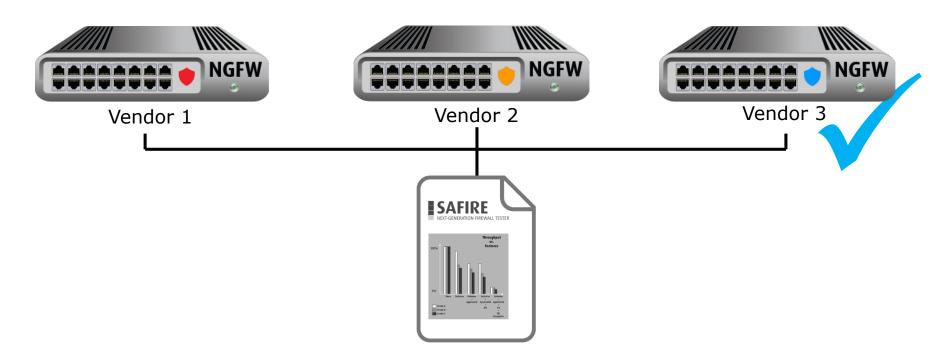


# Applications





# Compare performance of different firewalls during purchasing process







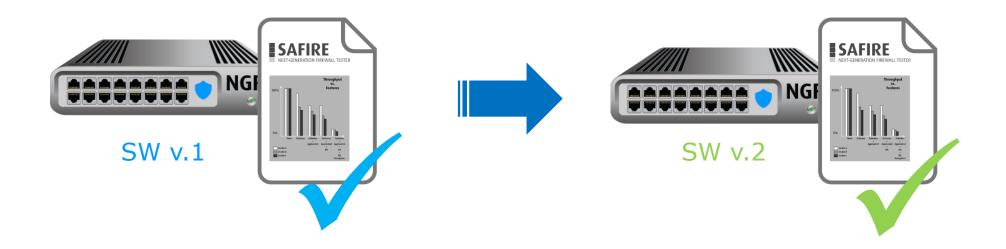
# Validating performance of firewall prior to installation







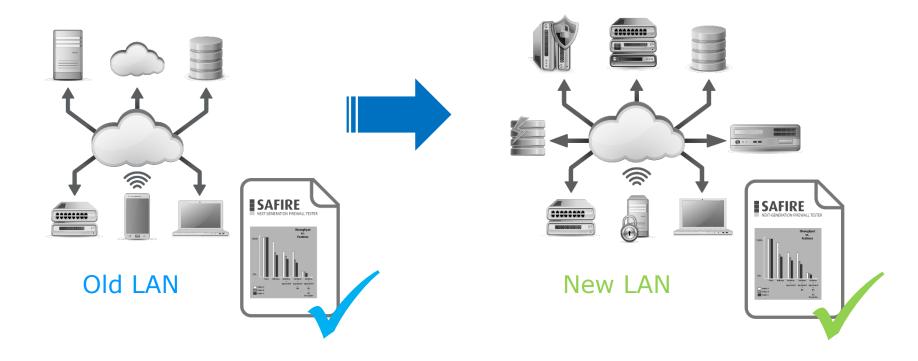
# Check performance after firewall firmware upgrades and patches







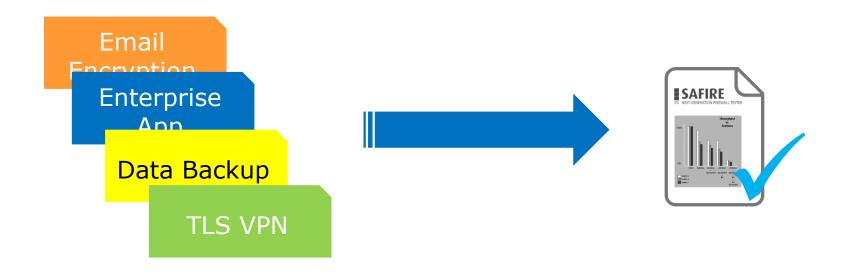
# Verifying performance following any significant LAN changes







Measuring performance impact of new application scenarios







# Hardware



# SafireCompact

Compact Enterprise Firewall Performance Tester



Safire makes it easy to accurately measure the performance of enterprise firewalls. Using traffic that can match the unique traffic profile in your network, Safire pinpoints performance bottlenecks in simple-to-understand graphs, clearly revealing how features like antivirus, appcontrol, IPS and SSL decryption impact throughput.

C-Safire-24PE-10G

SafireCompact, 1-slot chassis (non-modular, fixed), 24 packet engines, unit controller, AC power, excl. tcvrs. Provides 2 x 2-speed 10GBASE/SR/LR/DAC SFP+ test ports.

C-Safire-24PE-10G-CU

SafireCompact, 1-slot chassis (non-modular, fixed), 24 packet engines, unit controller, AC power, excl. tcvrs.

Coming

soon

Provides 2 x 4-speed 10000/5000/2500/1000/100 BASE-T RJ45 test ports. C-Safire-24PE-25G

SafireCompact, 1-slot chassis (non-modular, fixed), 24 packet engines, unit controller, AC power, excl. tcvrs.

Provides 2 x 3-speed 25GBASE/SR/LR/DAC SFP28 test ports.







# Software





Safire's Web UI makes it easy for you to configure and run tests.







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### **Connect your PC to Safire**

Default IP address on the MGT interface: 192.168.1.190

Make sure you have connection between your PC and the chassis

Visit https://192.168.1.190/ in your web browser



TIP: Submit this form to try Xena's live demo:

https://xenanetworks.com/live-demo/#safireform

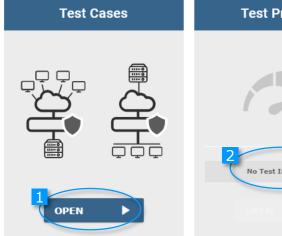


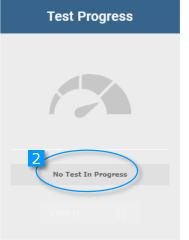






#### Dashboard









- 1. Test Case
- 2. Test Progress
- 3. Traffic Profile
- 4. Report
- 5. Settings



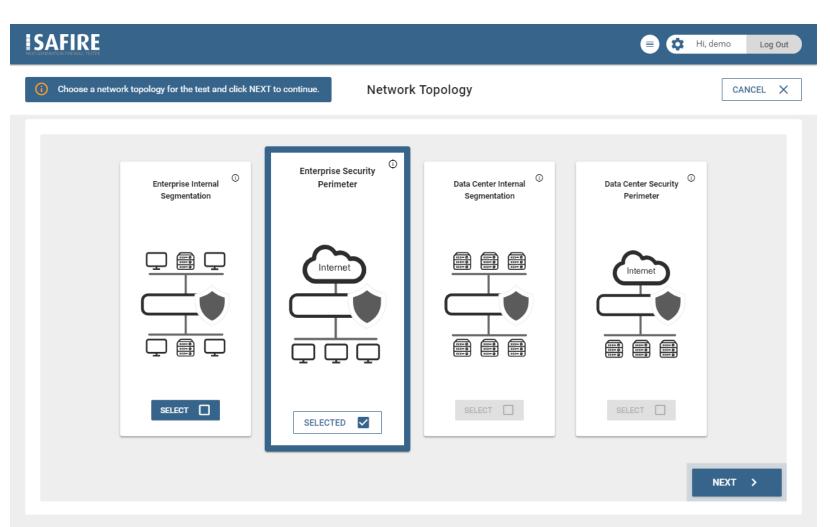


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- 1. Enterprise internal segmentation
- 2. Enterprise security perimeter
- 3. Data center internal segmentation
- 4. Data center security perimeter





Story

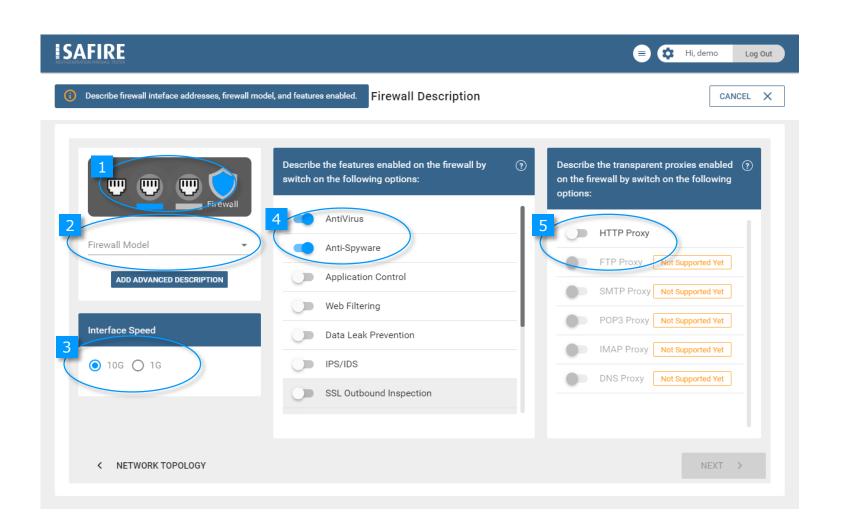
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- 1. Firewall interface address
- 2. Firewall model
- 3. Interface speed
- 4. Functions enabled on firewall
- 5. Functions enabled on firewall





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# Key Features



#### **Smart test result analysis**

Quickly compare different test results for a smart analysis on how different firewalls perform with the same features enabled, or how the same firewall performs when different features and policies are enabled.

#### **SSL** deep inspection performance test

Run tests with the latest standardized TLS encryption to identify the impact of enabling SSL deep inspection policy on your firewalls.

#### Check goodput and throughput

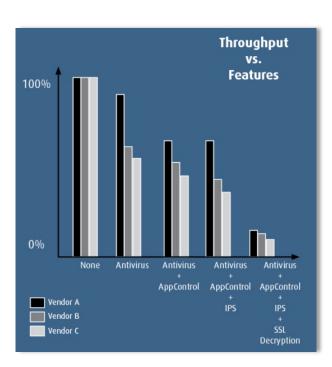
Safire documents goodput, which is the application-level throughput (i.e. the number of useful information bits delivered by the network to a specific destination per unit of time). It also measures Layer 1 throughput with different concurrent sessions, traffic profiles, and traffic characteristics in easy-to-understand graphs.

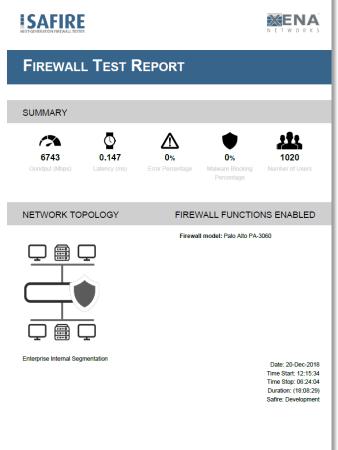
#### **Security perimeter and internal segmentation**

Test with asymmetric or symmetric traffic patterns and different mixes on various firewall deployment topologies. Security perimeter firewalls protect enterprise against inbound traffic. Internal segmentation firewalls protect internal LAN network segments, where the demand for performance is much higher than those at the edge.

#### **Easy-to-understand reports**

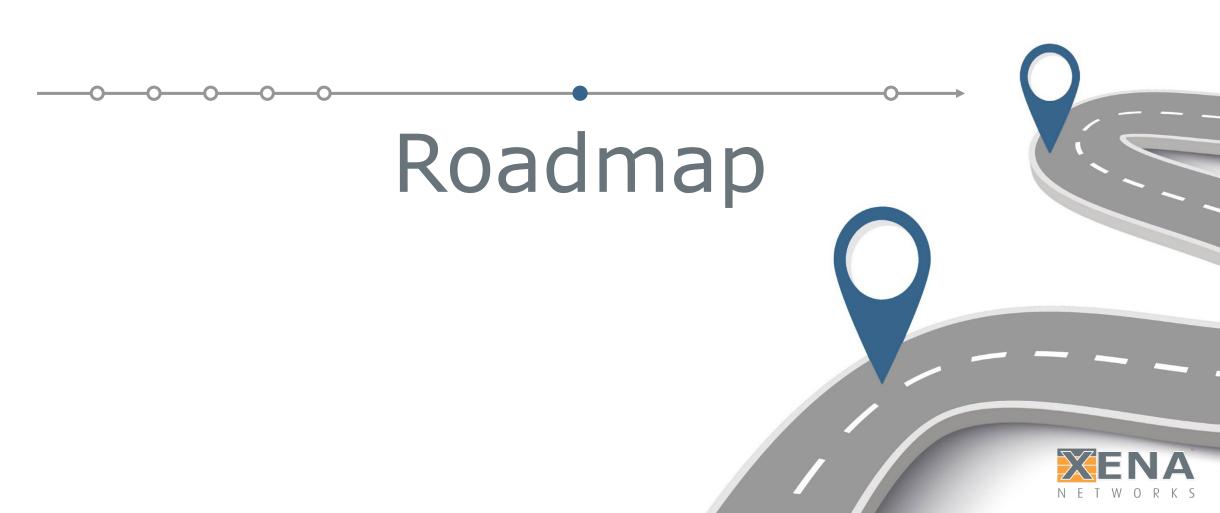
Safire produces attractive PDF reports that highlight important performance indicators for efficient decision-making.













## **Future features releases:**

Stay up to date follow https://xenanetworks.com/comingsoon

**COMING SOON** 











#### What?

Enterprise firewall performance tester

#### For who?

- Cyber security distributor
- System integrator
- Enterprise IT/network department

## **Top issues Safire solves:**

- Automatically measure and characterize enterprise firewall performance
- Assist network and security manager to quickly assess the negative impact of firewall security functions
- Smart analysis of performance test results across various firewall models

## Why Safire?

- Compact and cost-efficient
- · Abundant and flexible application/protocol library to match the unique traffic profile
- Save time and money





# Thank you

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- @XenaNetworks

