# OVERVIEW

It's risky to ignore the performance of your firewalls. Although everyone knows the performance of a firewall depends on its configuration, the type and patten of the traffic, internal architecture, and so on, very few companies know the "true" performance of their firewalls.

Is the performance information valuable? Yes!

Knowing the real performance of your firewall – in your network, with your traffic, your applications and your users – will reveal:

- Is your firewall a performance bottleneck for users?

- How will changing your security policies impact performance?

- How do other changes to your network impact performance?

- Is your firewall giving you the best value for your money?
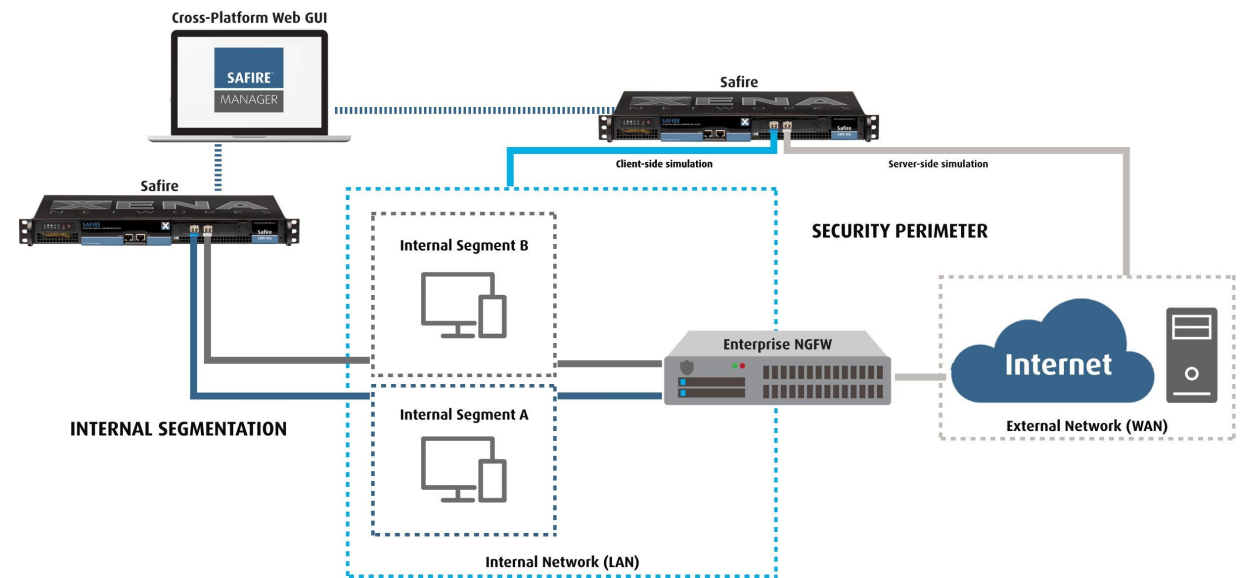
Safire is a simple tool for quickly measuring the true performance of enterprise firewalls. In less than an hour, you can use Safire to set-up & run tests that result in an easy-to-read PDF report precisely detailing the performance of an enterprise firewall incl. the impact of enabling different features, adding users, changing the type & volume of traffic and so on.

HARDWARE

The SafireCompact is a lightweight, easy-to-transport chassis. There are two versions of the SafireCompact:

- **C-SAFIRE-24PE-10G:** 2 test ports for testing 10GE & 1GE via 10GBASE / SR / LR / DAC SFP+
- **C-SAFIRE-24PE-10G-CU:** 2 test ports for testing 10GE, 5GE, 2.5GE & 1GE over copper (BASE-T RJ45)

The SafireCompact costs $7999.

SafireCompact

SOFTWARE: SafireManager

SAFIRE™
MANAGER

- **Modernized simple-to-use web GUI**

Safire is controlled via a modernized web GUI called SafireManager. Users are guided through the few simple steps of connecting to the firewall and defining each variable relevant to the test – which network scenario and traffic profile to use, how many users to be emulated, which firewall features are enabled and so on. This typically takes only a few clicks, and then Safire is ready to start testing.

- **Extensive application traffic library & auto generation of traffic profiles**

Every network has a unique traffic profile defined by the applications being used, the number of users, the data and security policies, the network topology and so on. Performance testing enterprise firewalls – where application-awareness is widely used for policing the traffic – requires unique traffic that matches the traffic profile of that network. To help you do this, Safire includes an extensive library of application traffic to maximize the accuracy of the test.

- **One-click report generation**

Once the test is completed, Safire generates a simple-to-read PDF report that summarizes the key findings on the front page, followed by a wealth of graphical data so you can instantly spot any serious performance issues.

SOFTWARE: SafireManager (cont.)

IT and network managers can use the report generated by SafireManager to make data-driven decisions like:

- How to boost their firewall's performance without compromising security

- Document how changes to the network impact firewall performance

- Validate the need for a new enterprise firewall

- Verify if a new firewall lives up to the performance claimed by the vendor

SAFIRE MEASURES:

- Throughput/Goodput
- Latency
- Concurrent sessions
- Packet loss rate
- Malware passed by firewall
- Firewall CPU and memory utilization

Using traffic profiles that matches your actual network traffic.

And then deliver PDF reports detailing all results incl. impact of any changes.

PAY-AS-YOU-GO

The tester itself costs **$7,999**.
It includes 3 x 1-month licenses that you can activate as needed.

Each additional 1-month license costs $999.

While the software license is active, you can use Safire as much as you like, and access Xena's full range of technical support services. The month licenses do not have to be used consecutively – you activate them when you need them. You can always buy additional licenses, via the Xena License Portal.

If the license expires, you need to pay an additional $249 service activation fee to start using the tester again. **There are no other costs.**

XENA™
Test. Improve. Repeat.

WHO USES SAFIRE?

Safire is designed for **System Integrators** (SIs) and **Network Security Service Providers** (NSSPs) whose business depends on offering services based on data-driven planning and performance assurance for IT security.

Safire makes it easy for NSSPs & SIs to help customers make important decisions regarding the purchase and configuration of enterprise firewalls.

Safire delivers accurate data – based on the customer's own network environment – instead of blindly relying on a firewall vendor's optimistic datasheet specs.

1.

Buy Safire from Xena for $7999. The monthly pay-as-you-go cost after that is only $999.

2.

Sell services & products to customers based on Safire's firewall performance reports.

XENA™
Test. Improve. Repeat.

NEW BILLABLE SERVICES BASED ON SAFIRE

Vendor Comparison

Safire helps customers choose their next enterprise firewall based on facts, not optimistic datasheet specs:

- Switching firewall vendor
- Implementing new security solution

Firmware Upgrades

Firewall vendors regularly upgrade firmware – Safire can help identify unexpected consequences:

- Regression testing to verify performance remains optimal
- Upgrade maintenance

Firewall Migration

Your customer stands at a crossroads – Safire can help them decide which firewall strategy to pursue:

- Can it really pay to migrate to a virtual firewall?
- Is it worth upgrading a server in a private cloud?
- Will the "next-size up" model solve their problems?

Policy Changes

Security policies are constantly evolving to meet new business demands. You can use Safire to:

- Document if policy changes have impacted performance significantly
- Performance debugging

Traffic Profile Change

Can their firewall "keep up" as new SW applications & platforms etc. impact network traffic? Use Safire to:

- Measure impact of LAN Network Expansion
- Document performance after periodic maintenance

DOCUMENTATION

WEBINAR
Why Performance Test Your Enterprise Firewall?

This is a must-see webinar for network, security, infrastructure and application teams striving to optimize the balance between firewall security and the user experience.

WATCH NOW

WEBINAR
Tolly Tests Safire

The Tolly Group recently tested Safire to see if it lived up to its promise. Join us for a webinar to learn the results of Tolly's Safire evaluation tests and then hear how Safire can be used by security consultants (MSSPs & SIs) and internal enterprise IT departments.

WATCH NOW

REPORT
Tolly Tests Safire

The Tolly Group tests confirmed the need for benchmarking firewalls as the Safire tests showed dramatically different firewall throughput levels based on the security policy and functions performed by the firewall.

READ THE REPORT

READ THESE WHITEPAPERS

1

Firewall Performance Testing Use Cases in Lab & Production Networks

Explains why testing firewall performance in different use cases helps optimize the value of enterprise firewall investments.

F i r e w a l l   P e r f o r m a n c e   T e s t i n g   U s e   C a s e s

CLICK TO READ

2

Realistic Application Simulation for Enterprise Firewall Performance Testing

Why testing firewall performance with reconstructed network traffic is crucial for successfully deploying & managing enterprise firewalls.

R e a l i s t i c   A p p l i c a t i o n   S i m u l a t i o n

CLICK TO READ

3

Performance Characterization of Virtual NGFWs

The diversity and complexity of virtual firewall deployment environments in enterprise private clouds increases the challenge of performance testing virtual firewalls.

P e r f o r m a n c e   C h a r a c t e r i z a t i o n   o f   V i r t u a l   N G F W s

CLICK TO READ

4

Automatic Traffic Profile Generation

Reconstructing traffic profiles that realistically represent the traffic on an enterprise production network is essential for successfully deploying firewalls. Safire automates this complex task.

A u t o m a t i c   T r a f f i c   P r o f i l e   G e n e r a t i o n

CLICK TO READ

WATCH SAFIRE VIDEOS

Configure a F.U.T.
(3 min 28 sec)

How to create and configure a "**Firewall Under Test**" in Safire.

CLICK TO PLAY

Configure a Test Case
(7 min 17 sec)

How to configure & run basic tests and analyze results firewall performance.

CLICK TO PLAY

Auto Traffic Profiles
(5 min 39 sec)

This feature auto-generates traffic profiles based on your firewall's own logs.

CLICK TO PLAY

Test Result Analyzer
(5 min 22 sec)

This feature generates a comparison of selected test results.

CLICK TO PLAY

Configure **Traffic** Profiles
(4 min 34 sec)

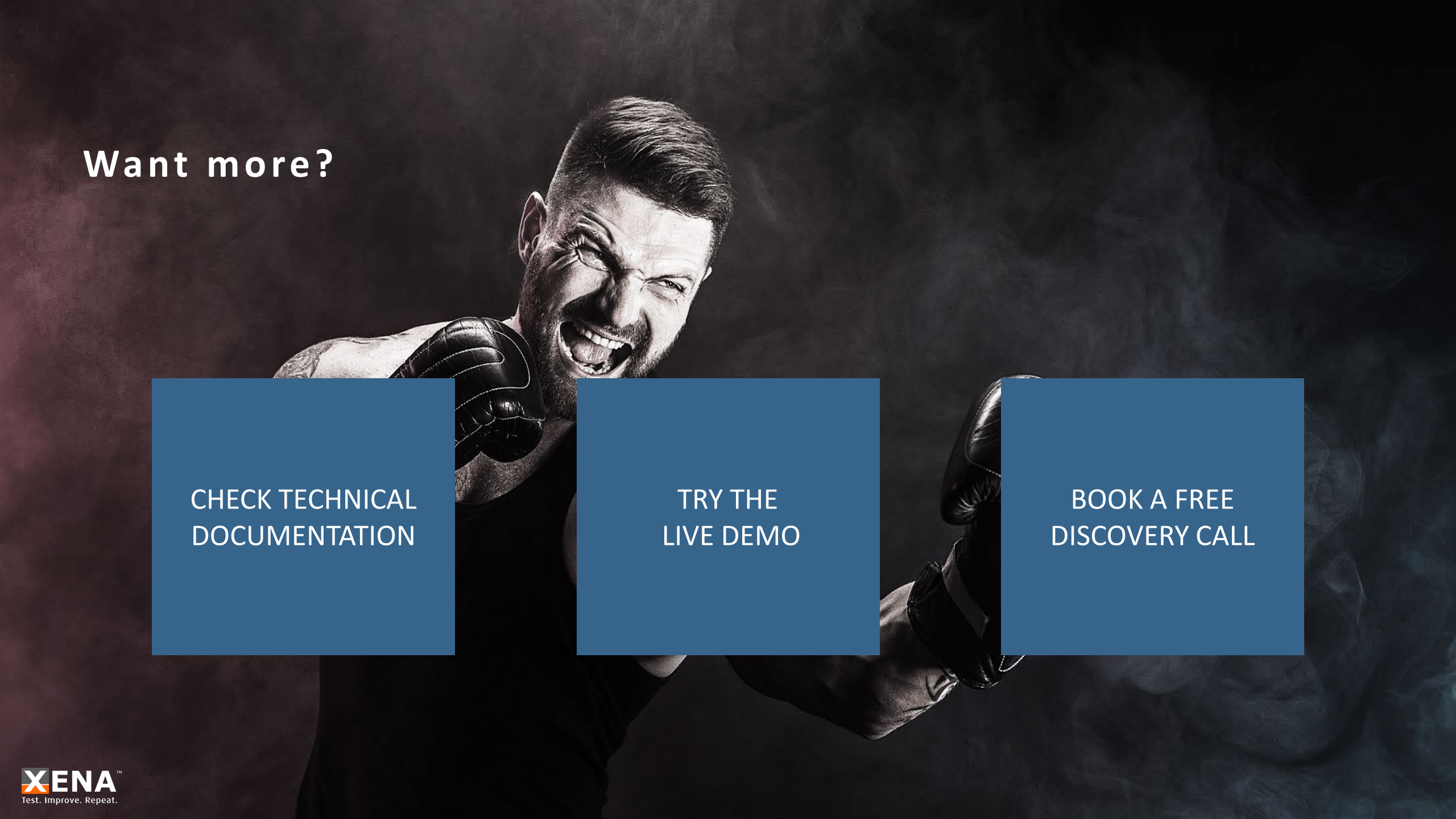How to configure traffic profiles that match your customer's organization.

CLICK TO PLAY

Test. Improve. Repeat.

Want more?

CHECK TECHNICAL DOCUMENTATION

TRY THE LIVE DEMO

BOOK A FREE DISCOVERY CALL

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