

SAFIRE™

Probably the world's best
Enterprise Firewall
Performance Tester

XENNA™
NETWORKS

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LEARN MORE

OVERVIEW

Safire makes it easy to measure the performance of enterprise firewalls, pinpoint performance bottlenecks, and document all the results in easy-to-read PDF reports.



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OVERVIEW

Why Safire?

Enterprise firewalls improve network security by segmenting corporate LANs. However, each of the advanced security functions (e.g. antivirus, app-control, IPS and SSL decryption) has a **performance penalty**. Combined, these features can seriously reduce network performance (in some instance up to 90%) – frustrating users and reducing business potential.



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



OVERVIEW

Why Safire?

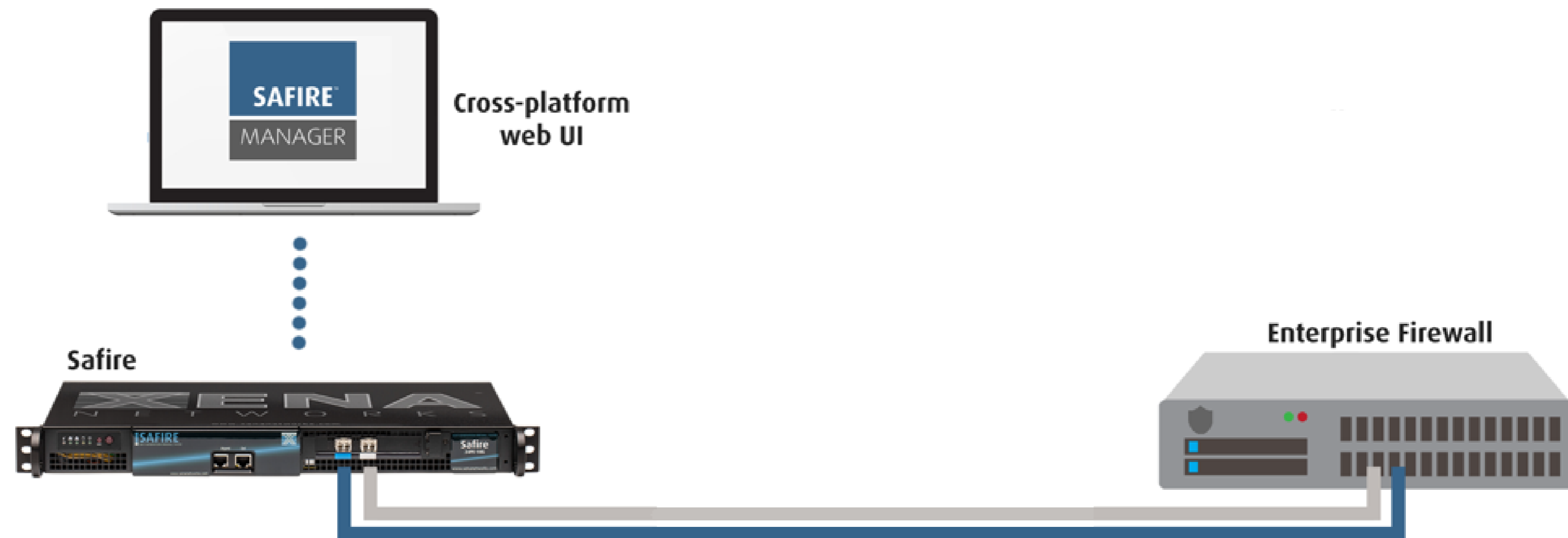
Safire is the **only** product on the market that offers a quick and cost-effective solution.



OVERVIEW

System Diagram

Simply connect Safire to your firewall, define a traffic profile that matches your network, and select the features you want to measure. Initiate the test and in minutes Safire will compile a PDF report detailing how each feature impacts performance, with easy-to-understand graphs that clearly pinpoint the firewall's performance bottleneck and a wealth of other data.



Safire and You

WHO USES SAFIRE?

- Enterprise IT
- Network Security
- System Integrator
- Data Centers
- Finance
- Government & Defense

WHAT DUTs CAN YOU TEST?

- Firewalls

WHAT TYPES OF TESTING?

- Performance Testing
- Functional Testing
- QoS and Service Validation
- Security

Why choose Safire?

PRICE/PERFORMANCE

- Attractive HW price
- Flexible SW license fee

EASE OF USE

- Very simple and intuitive user-friendly web-UI
- Set up your test, run it and get your report in less than 15 minutes
- Smart characterization and comparison of multiple-Firewalls
- Traffic profile mixes for different network topologies
- Easy-to-understand PDF result reporting

UNIQUE PRODUCT

- Industry's **only** firewall performance tester
- Automated firewall performance characterization

ROCK SOLID PLATFORM

- Very robust chassis platform (Linux), runs "forever"
- Compact 1U Chassis with 2 test ports
- On-chassis storage

USE CASES

When do you use Safire to measure firewall performance?



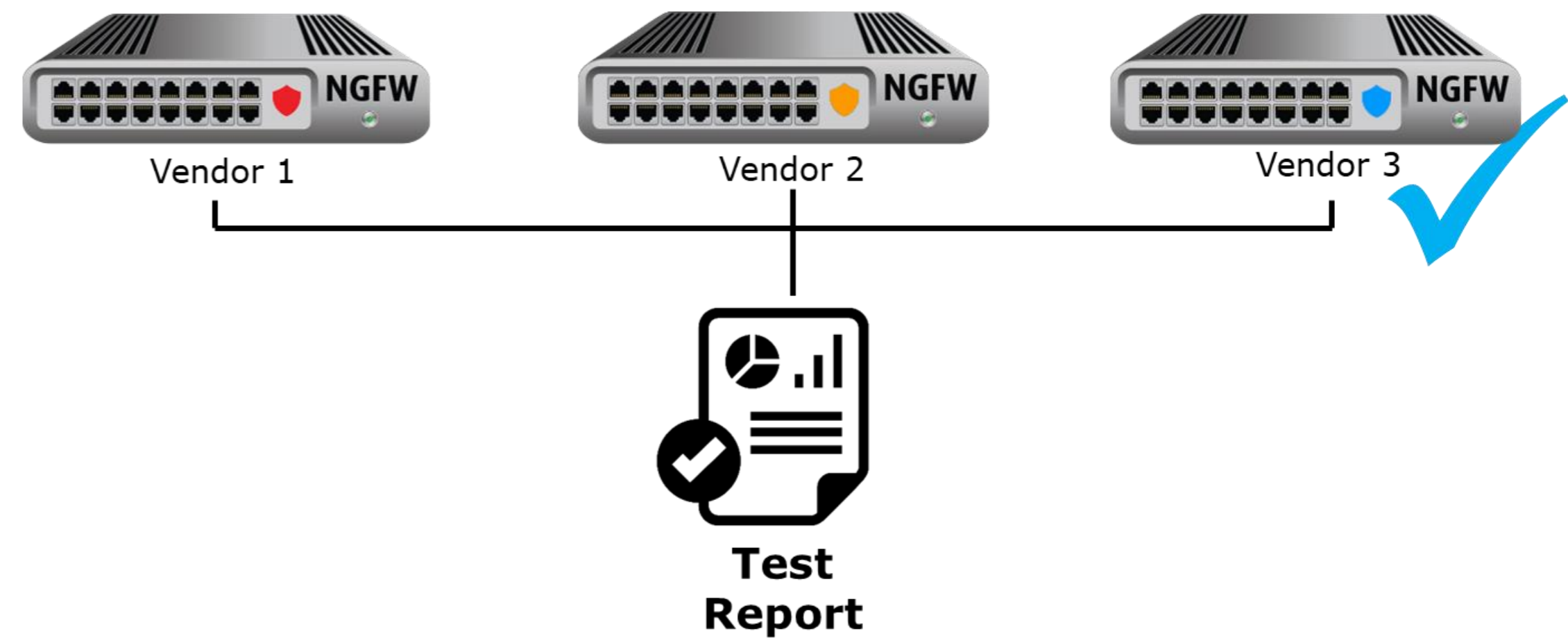
USE CASES

Vendor Selection Process



Pre-Deployment

When choosing which new firewall to buy, use Safire to compare their performance under conditions that match your network.



Verify Policy Performance

Pre-Deployment

Prior to deployment, use Safire to measure firewall performance using proposed security policy to help optimize firewall configuration and/or network planning.



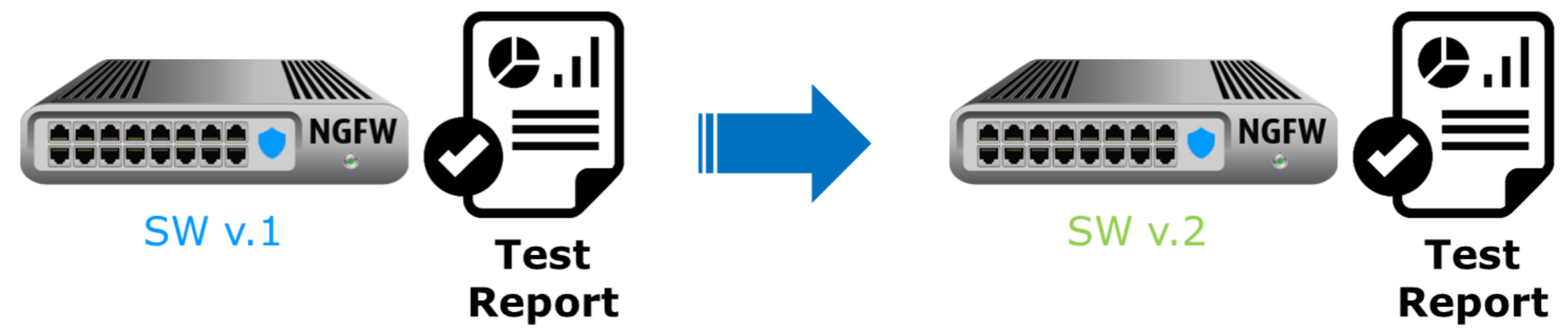
USE CASES

After Firmware Updates



Post-Deployment

Use Safire to measure firewall performance following firmware changes.

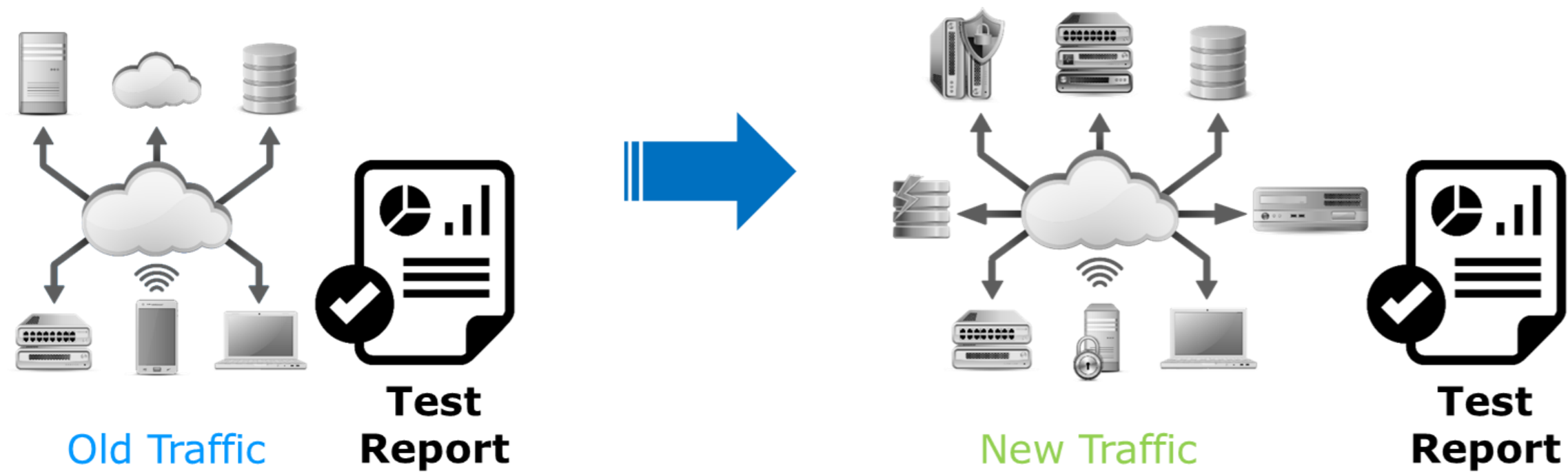


USE CASES

When the LAN Changes

Post-Deployment

Use Safire to measure how significant changes to the network and traffic impacts firewall performance.



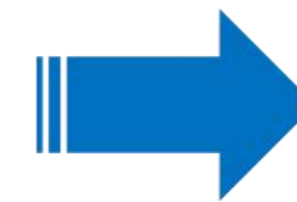
USE CASES

When Experiencing Network Performance Issues



Post-Deployment

Check firewall performance when experiencing network performance issues such as slow response, connection failure, and poor QoE.



Test Report

Roadmap

	USE CASES	Types of testing			
		Performance (reveal bottleneck)	Benchmarking (against datasheet)	Soak Test (long duration)	Backup emulation test
PRE-deployment	Vendor selection process	✓	Coming soon	Coming soon	Coming soon
	Verify policy performance	✓	Coming soon	Coming soon	Coming soon
POST-deployment	When LAN topology changes	✓		Coming soon	Coming soon
	After firmware updates	✓	Coming soon	Coming soon	Coming soon
	When experiencing network performance issues	✓		Coming soon	Coming soon

USE CASES

White Papers

Pre-Deployment

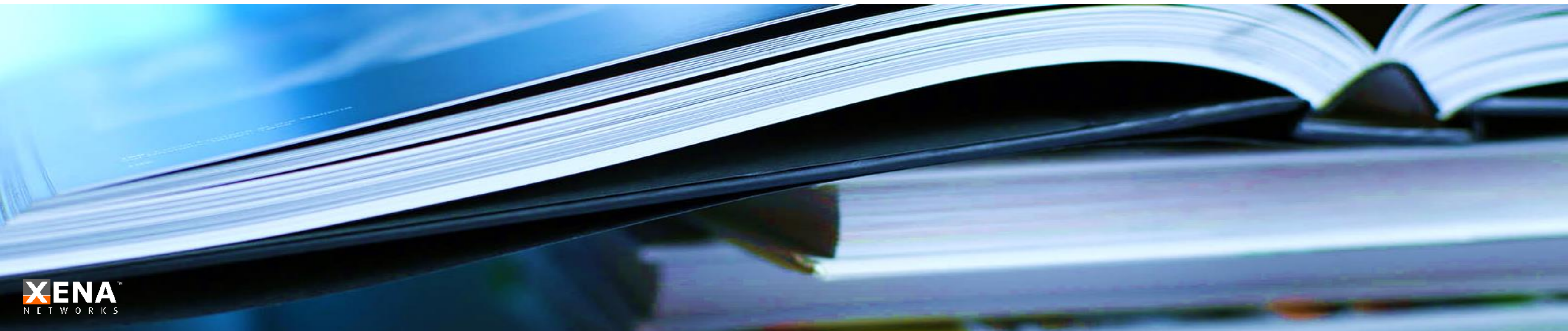
To rigorously test the performance of next generation firewalls (NGFWs), it is no longer enough to bombard them with dummy traffic.

Testing NGFWs

Post-Deployment

Different from deploying new NGFW into pre-production networks, when the firewalls are in fact up and running in the production networks, any upgrade should be handled carefully.

NGFW Performance



HARDWARE & SOFTWARE



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HARDWARE & SOFTWARE

SafireCompact



Physical Specifications

2 test ports

1.75" (H) x 19" (W) x 9.8"(D) (5 x 48.5 x 25cm)

10 lbs (4.5 kg)

Low noise: Max. 54 dBA

HARDWARE & SOFTWARE

SafireCompact Versions

10G
2 speeds

C-Safire-24PE-10G

Provides 2 test ports for
10GE & 1GE testing.
10GBASE/SR/LR/DAC SFP+

10G
4 speeds

C-Safire-24PE-10G-CU

Provides 2 test ports for 10GE,
5GE, 2.5GE & 1GE testing.
BASE-T RJ45

HARDWARE & SOFTWARE

SafireManager

SAFIRETM

MANAGER

- Safire is a web-based test solution. The web-based user interface (SafireManager) for you to configure and run tests, and download reports.
- With SafireManager, test your firewall in 3 simple step
- Your test configurations, test results, user information are all stored on the chassis. Access it any time.

HOW-TO

How to test your firewall in 3 easy steps



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**Test your Firewall in
less than 15 minutes**



**1. Select FW network
Topology**

2. Enter FW details

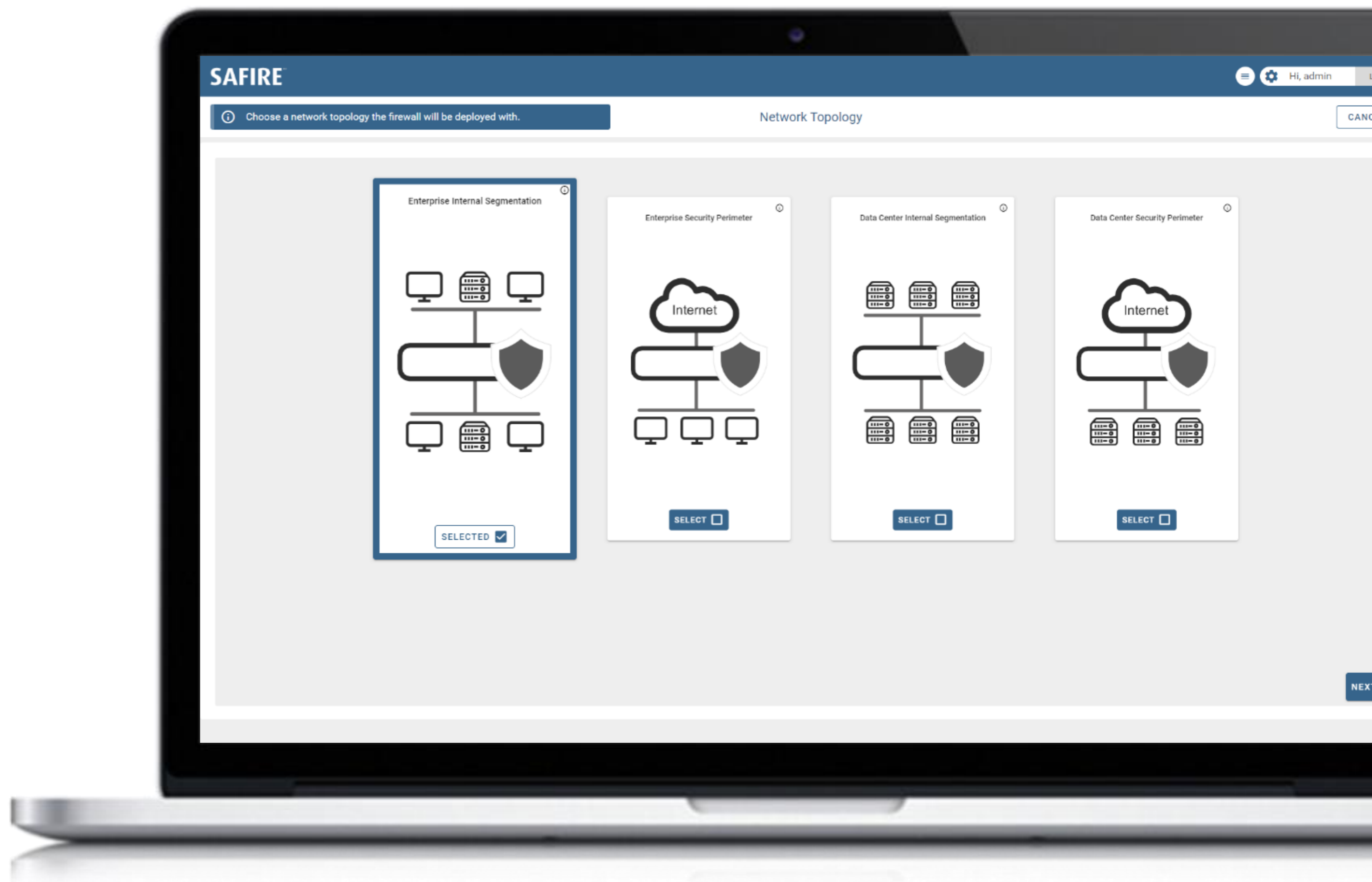
3. Read the report

HOW-TO

1: Select firewall network topology

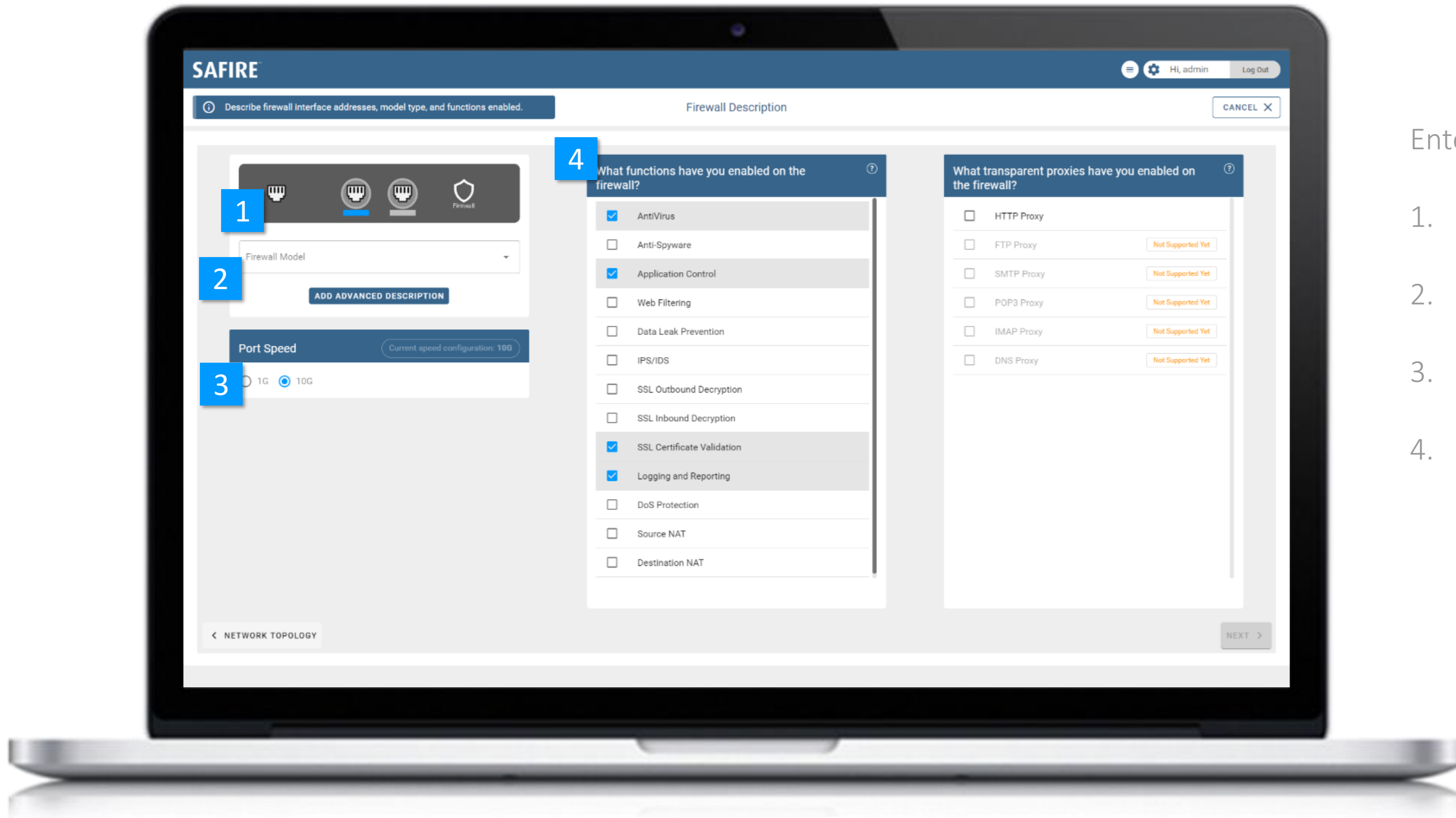
Select network topology for your firewall among

- Enterprise internal segmentation
- Enterprise security perimeter
- Data center internal segmentation
- Data center security perimeter



HOW-TO

2: Enter firewall details

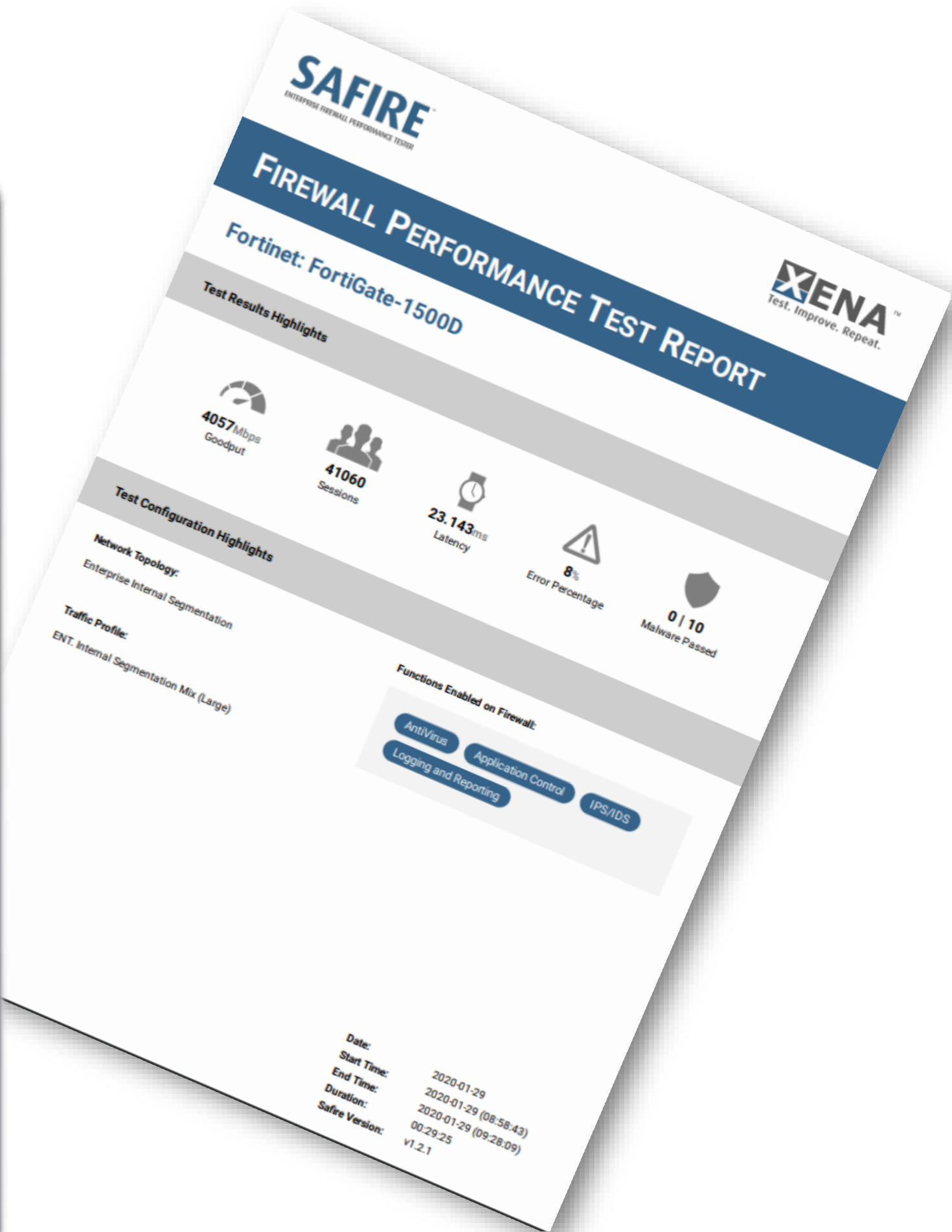


Enter firewall information:

1. Firewall interface address
2. Firewall model
3. Port speed
4. Functions enabled on firewall

HOW-TO

3: Read the report



KEY FEATURES

These are Safire's most powerful technical features.



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KEY FEATURES

User-friendly UI

1. Web based user interface. Platform independent. No need to install desktop application.
2. Test configurations, test results, user information are all stored on the chassis. Access it any time.
3. Very simple and intuitive.





KEY FEATURES

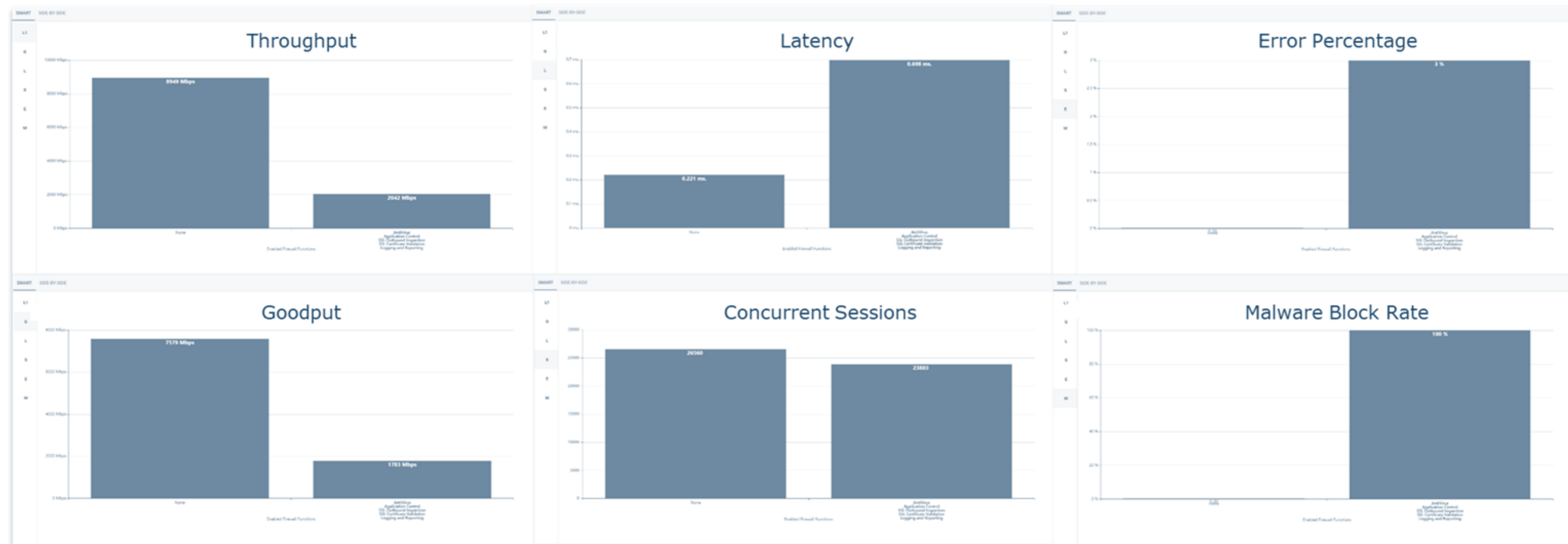
Automated firewall performance characterization

- Automatically increase traffic load between test iterations to reveal the performance characterization of the firewall under test.
- Measure key performance metrics as the offered load increases.
- Test execution independent from client machine's connection to the chassis.

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.



KEY FEATURES

Traffic profile mixes for different network topologies

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.



KEY FEATURES

Easy-to-understand reports

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



Safire – making life easier for IT and security managers 😊



- ✓ User friendly web-based UI
- ✓ Auto performance characterization
- ✓ Test your firewall in 3 easy steps
- ✓ SMART test result analysis
- ✓ Traffic profile mixes for different network topologies
- ✓ Easy-to-understand reports

Test. Improve. Repeat.

THANK YOU



- @ sales@xenanetworks.com
- www.xenanetworks.com
- in linkedin.com/company/xena-networks
- twitter @XenaNetworks



A man in boxing gear, including gloves and a dark shirt, is shown from the chest up. He has a determined, shouting expression with his mouth wide open and eyes squinted. He has a beard and short hair. The background is dark and moody.

Want more?

CHECK TECHNICAL
DOCUMENTATION

SEE PRICING
EXAMPLES

TRY OUR LIVE
DEMO SYSTEM

BOOK A
GUIDED SW TOUR