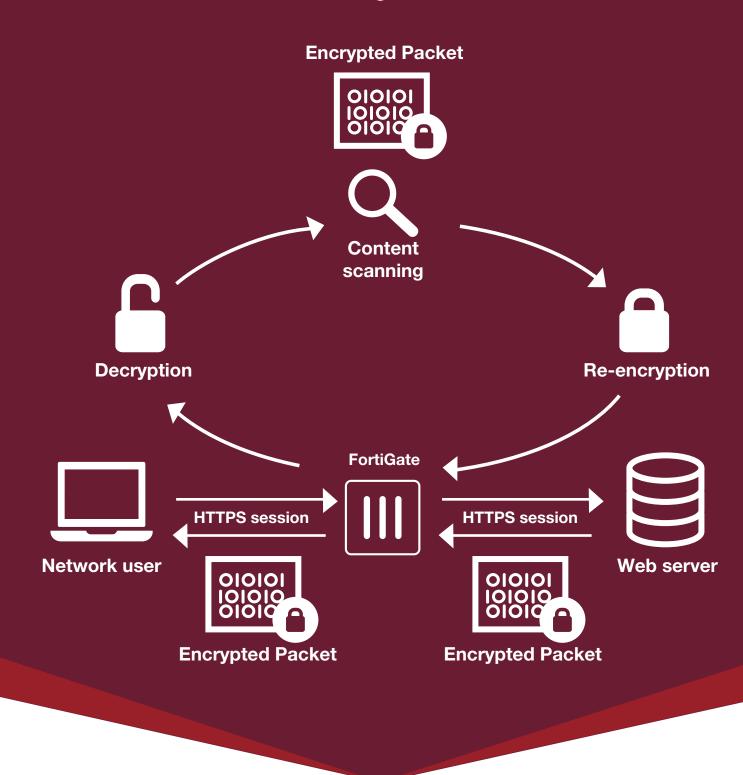


## **Remove Blind Spots** With FortiGate NGFW

come with digital transformation and a growing remote workforce. One critical challenge is the demand for greater data throughput that uses Transport Layer Security (TLS) or Secure Sockets Layer (SSL). Today, enterprise firewalls MUST do more, which requires expanded functionality and improved performance.

Enterprise firewalls have been forced to adapt to the new security challenges that



leader must look for: HTTPS SSL/TLS isn't just nice to have - it's a standard HTTPS According to our survey, more than 90% of

Selecting the right firewall vendor, with the right capabilities, is critical for

realizing a secure and productive enterprise now, and into the future. Here

are a few distinguishing factors that every infrastructure and cybersecurity



Fortinet customer traffic is HTTPS1

Performance levels before SSL is applied are never the same as after SSL. Make sure you are comparing apples with apples by



Zivif.PR115-204-P-RS

Adobe.Reader

Allegro.RomPager

SonicWall.GMS

**Description validation** 

Top 30 cipher support

Sun.Java

Africa

5.6%

4.2%

8.2%

4.4%

0.3%

Asia

1.6%

32.7%

5.2%

3.2%

0.3%

As threats and exploits expand, so must the firewall Middle Northern Latin

East

1.3%

15.2%

4.5%

6.7%

2.4%

Oceania

0.6%

23.1%

9.0%

3.7%

0.5%

**PASS** 

24/24

America

1.0%

4.6%

6.1%

3.6%

9.4%

putting firewalls to the test

America

0.9%

12.4%

6.7%

2.2%

0.4%

## TrueOnline.ZyXEL 3.7% 0.4% 10.8% 15.4% 4.8% 1.8% 0.4%

Europe

0.9%

11.1%

10.5%

2.9%

1.1%

Pulse.Secure	3.8%	2.7%	8.8%	5.8%	2.1%	10.5%	11.4%	
Regionally prevalent IPS detections during 1H 2020 (percent of organizations).								
Exploits and their distribution continue to grow internationally. Interestingly, vulnerabilities first discovered in 2018 claim the highest exploitation prevalence (65%), indicating organizations are not updating and securing their systems. <sup>2</sup>								

**Proven FortiGate** 

What happens when Fortinet's FortiGate is put to the test?

In the NSS Labs Next-Generation Firewall (NGFW) Group Test,

the results speak for themselves.

1

**SSL/TLS Functionality** 

Emergent ciphers   Support for x25519 Elliptical curve specification	2/2   PASS
Prevention of weak ciphers	PASS
Decryption bypass policy based on Layer 3 information	PASS
Decryption bypass policy based on Layer 4 information	PASS
Decryption bypass policy based on Server Name indication (SNI) TLS extension information	PASS
Decryption bypass policy based on Common Name (CN) and /or Subject Alternative Name (SAN)	PASS
Certificate validation	PASS
Support for session method: ID reuse   ticket reuse	PASS   PASS
<del></del>	

**Performance** 

6,348 Mbps

**HTTP NSS-Tested Throughput:** 

**HTTPS (SSL/TLS) NSS-Tested Throughput:** 5,820 Mbps

**Security Effectiveness** 

This 91.6% throughput rate with SSL/TLS enabled is the highest in the industry

Evasions Blocked: 406/406

Exploit Block Rate: 99.86%

The FortiGate security effectiveness rating is also the highest in the industry

advantage provides an unparalleled view across the cyber-threat landscape, providing key insights into how to best defend organizations from emerging and evolving threats.

https://www.fortinet.com/products/next-generation-firewall

The Fortinet Security Fabric secures organizations across the globe with the largest security device footprint in the industry. This unique

<sup>1</sup> "Global Threat Landscape Report H1 2020," Fortinet, August 2020.