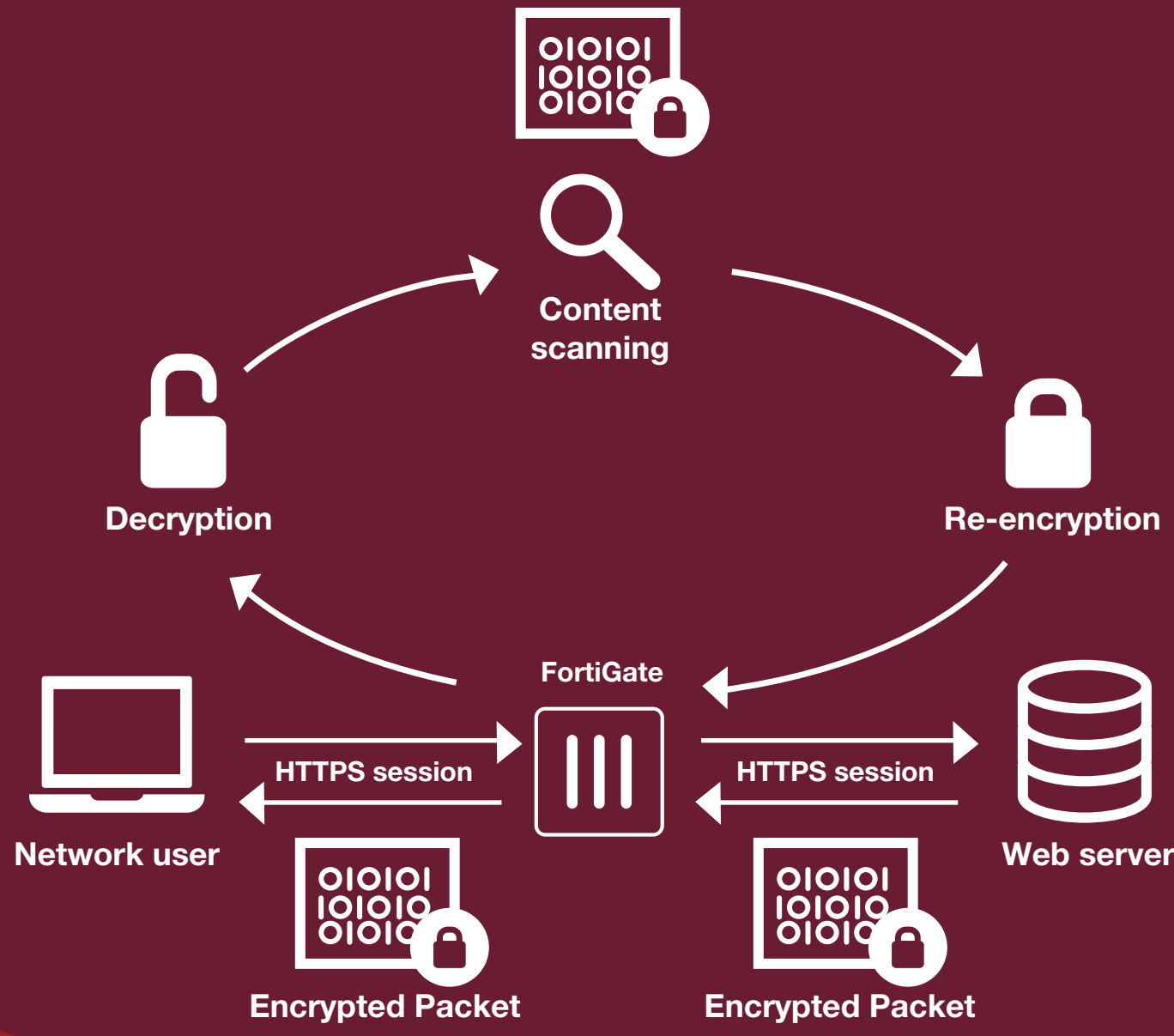


Remove Blind Spots With FortiGate NGFW

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



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 leader must look for:

1 **HTTPS** **HTTPS SSL/TLS isn't just nice to have – it's a standard**
 According to our survey, more than **90%** of Fortinet customer traffic is HTTPS¹

2 **Performance levels before SSL is applied are never the same as after SSL. Make sure you are comparing apples with apples by putting firewalls to the test**

3 **As threats and exploits expand, so must the firewall**

	Africa	Asia	Europe	Latin America	Middle East	Northern America	Oceania
Sun.Java	5.6%	1.6%	0.9%	0.9%	1.3%	1.0%	0.6%
ZviF.PR115-204-P-RS	4.2%	32.7%	11.1%	12.4%	15.2%	4.6%	23.1%
Adobe.Reader	8.2%	5.2%	10.5%	6.7%	4.5%	6.1%	9.0%
TrueOnline.ZyXEL	3.7%	0.4%	10.8%	15.4%	4.8%	1.8%	0.4%
Allegro.RomPager	4.4%	3.2%	2.9%	2.2%	6.7%	3.6%	3.7%
SonicWall.GMS	0.3%	0.3%	1.1%	0.4%	2.4%	9.4%	0.5%
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.²

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

Description validation	PASS
Top 30 cipher support	24/24
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

2

Performance



HTTP NSS-Tested Throughput:
6,348 Mbps

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

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

3

Security Effectiveness



Exploit Block Rate: **99.86%**

Evasions Blocked: **406/406**

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

The Fortinet Security Fabric secures organizations across the globe with the largest security device footprint in the industry. This unique advantage provides an unparalleled view across the cyber-threat landscape, providing key insights into how to best defend organizations from emerging and evolving threats.

¹ "Global Threat Landscape Report H1 2020," Fortinet, August 2020.

² Ibid.

To learn more about Fortinet FortiGate go to <https://www.fortinet.com/products/next-generation-firewall>