MID-YEAR UPDATE | JULY 2019

2019 SONICWALL CYBER THREAT REPORT

Arm Your Business with the Latest Threat Intelligence from the First Half of 2019

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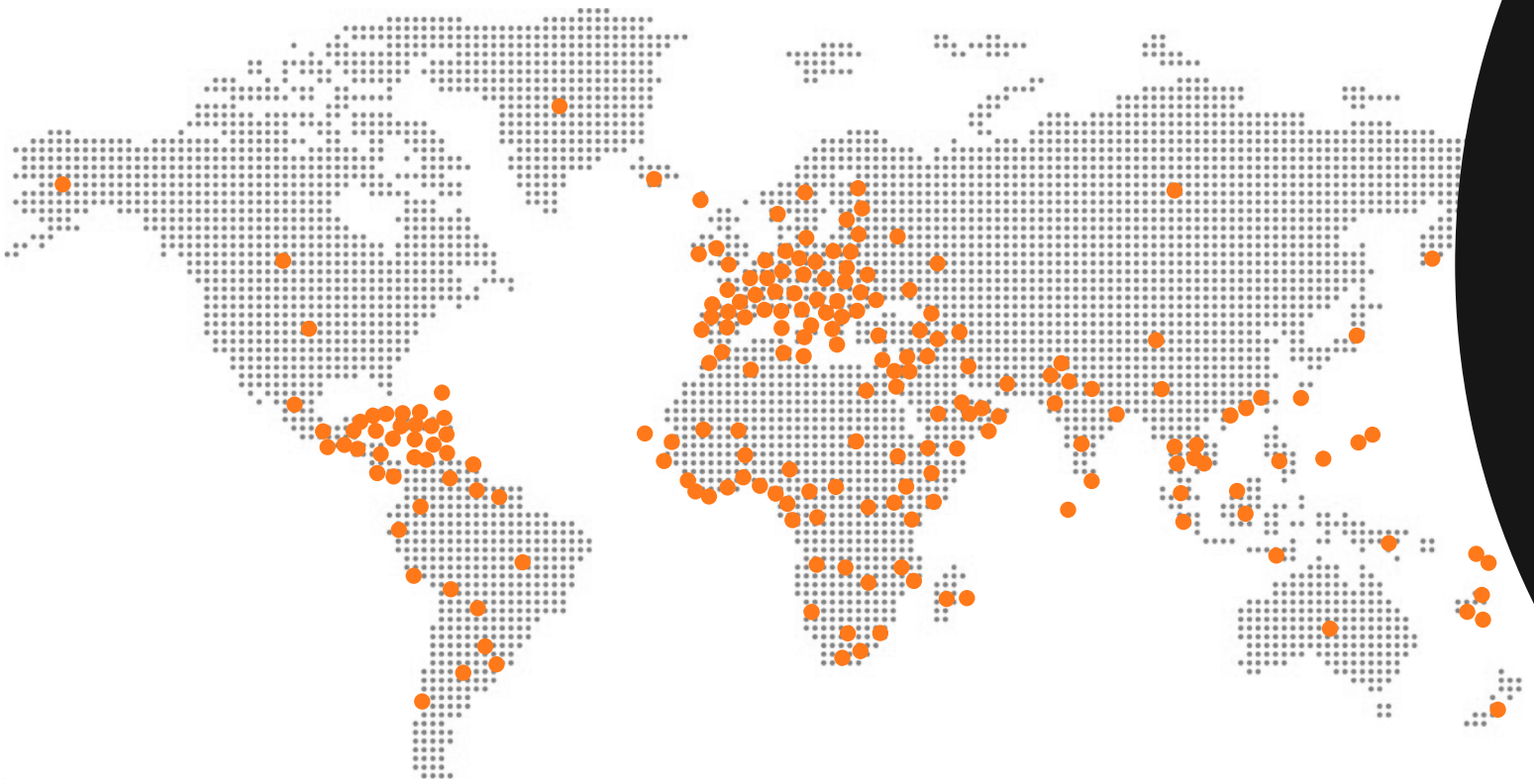
SONICWALL CAPTURE LABS THREAT NETWORK



1 MILLION +
Sensors

215 +
Countries & Territories

24 x 7 x 365
Monitoring

< 24 HOURS
Threat Response

140K +
Malware Samples Collected Daily

28M +
Attacks Blocked Daily

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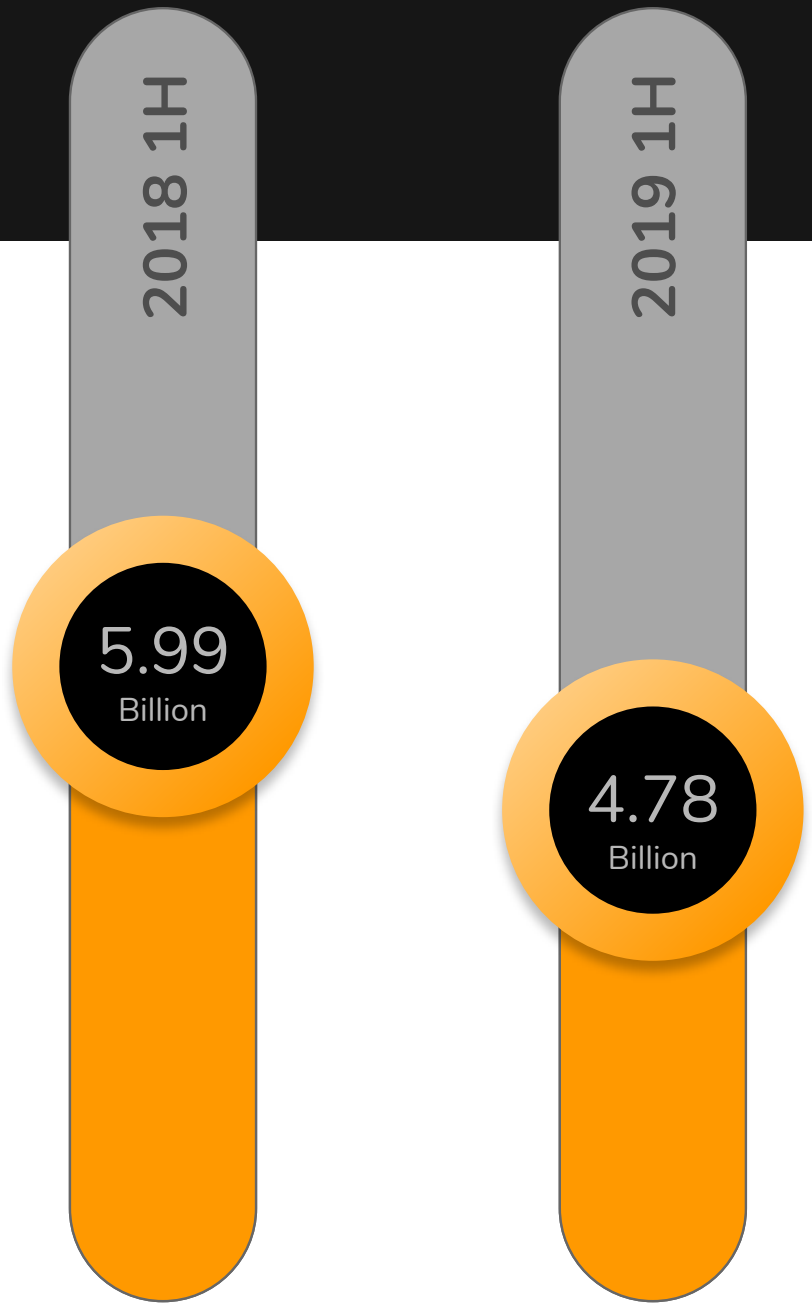
2019 GLOBAL CYBER ARMS RACE

SonicWall recorded more than **4.78 billion malware attacks** for the first half of 2019 — a 20% year-to-date decrease.

Global malware volume dips to start 2019, but other attack types rebound.



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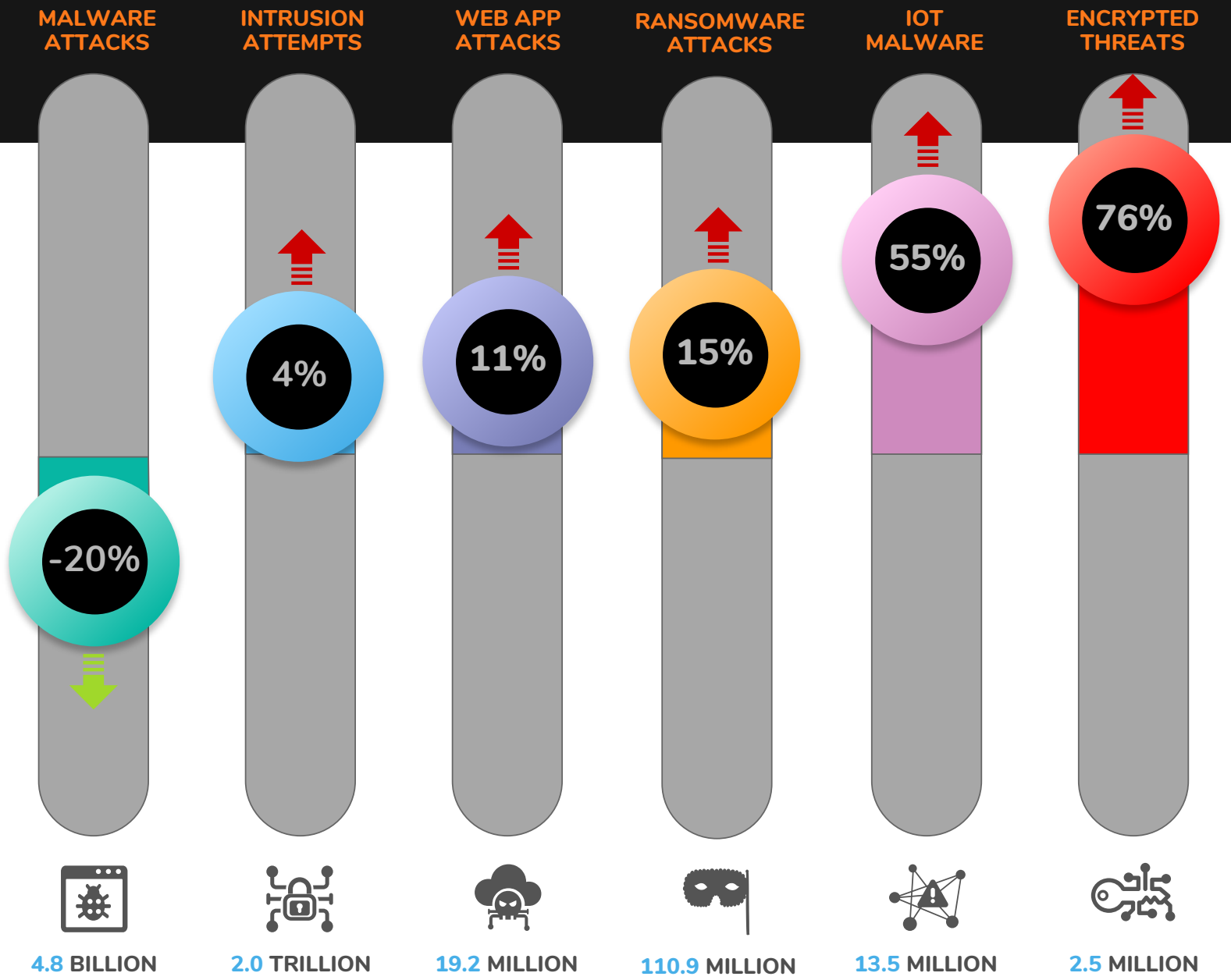
CYBERATTACK TRENDS

As global malware volume declines, other attack types increase during the first half of 2019.



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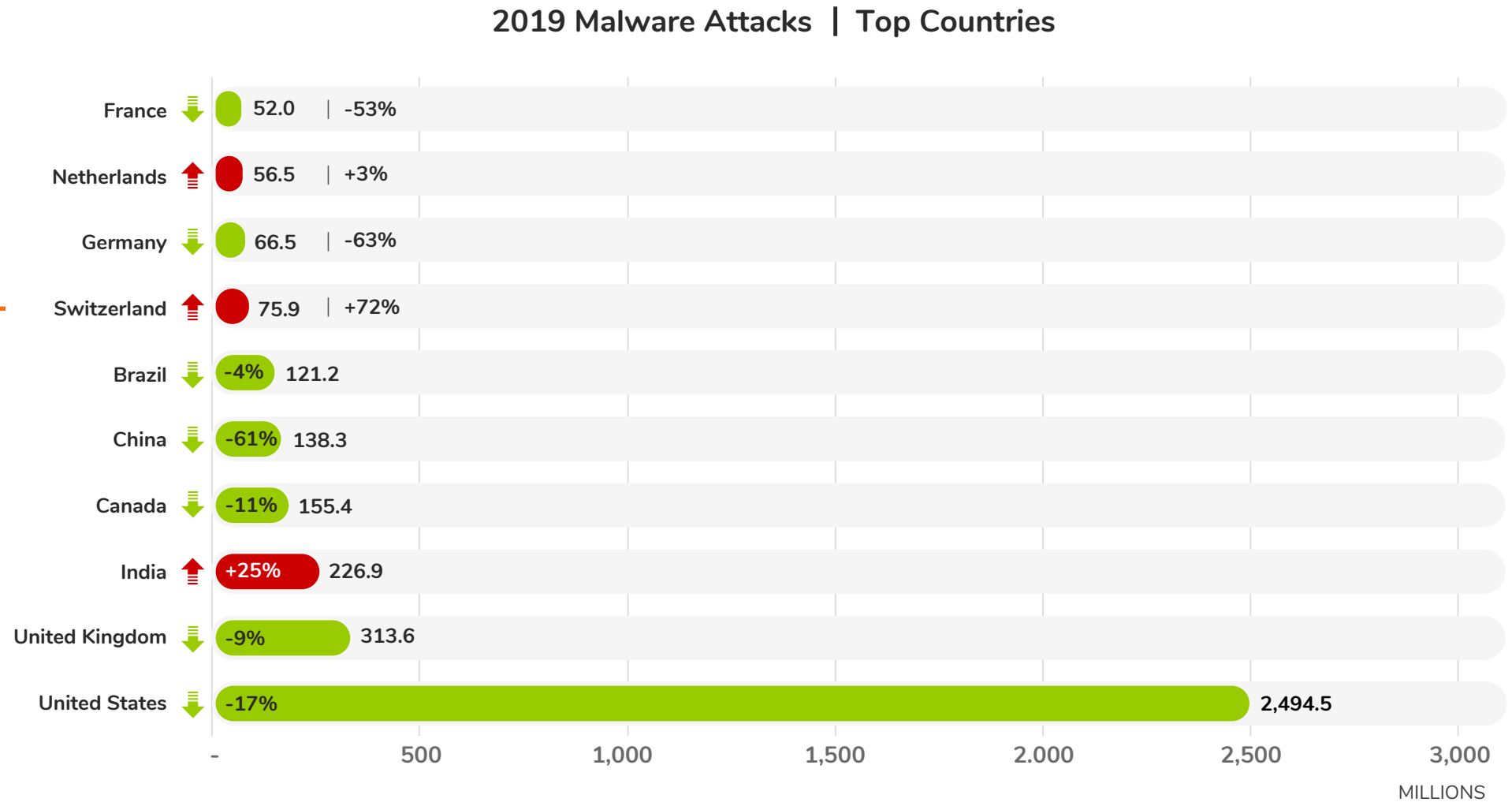
2019 MALWARE VOLUME: TOP GLOBAL COUNTRIES

Malware attacks are largely down in 2019 with a few exceptions.

India (25%), **Switzerland** (72%) and the **Netherlands** (3%) were the top countries that suffered increased malware activity.



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RANSOMWARE STILL RISING

Ransomware Volume YTD			
	1H 2018	*1H 2019*	*Change*
U.K.	**2.2M**	**6.4M**	**+195%**
Global	**96.6M**	**110.9M**	**+15%**
U.S.	**52.5M**	**41.7M**	**-21%**
India	**1.0M**	**382K**	**-62%**
Germany	**5.4M**	**1.6M**	**-71%**

110.9 Million Ransomware Attacks

Ransomware continues to pay dividends for cybercriminals.

All told, global ransomware volume reached 110.9 million for the first half of 2019, a 15% year-to-date increase.

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RaaS THE EXPLOIT KIT OF CHOICE IN 2019

Globally, cybercriminals are pivoting toward new attack types. Exclusive SonicWall data highlights an escalation in ransomware-as-a-service (RaaS) and open-source malware kits in the first half of 2019.

2018			1H 2019		
FAMILY	**VOLUME**	**TYPE**	**FAMILY**	**VOLUME**	**TYPE**
Cerber	101.6 Million	RaaS	Cerber	39.5 Million	RaaS
BadRabbit	7.8 Million	Custom	Gandcrab	4.0 Million	RaaS
Dharma	7.34 Million	Custom	HiddenTear	4.0 Million	Open Source
LockyCrypt	6.1 Million	Custom	CryptoJoker	2.4 Million	Open Source
CryptoJoker	5.6 Million	Open Source	Locky	1.8 Million	Custom
Locky	2.4 Million	Custom	Dharma	1.5 Million	Custom
Petya	1.9 Million	Custom			

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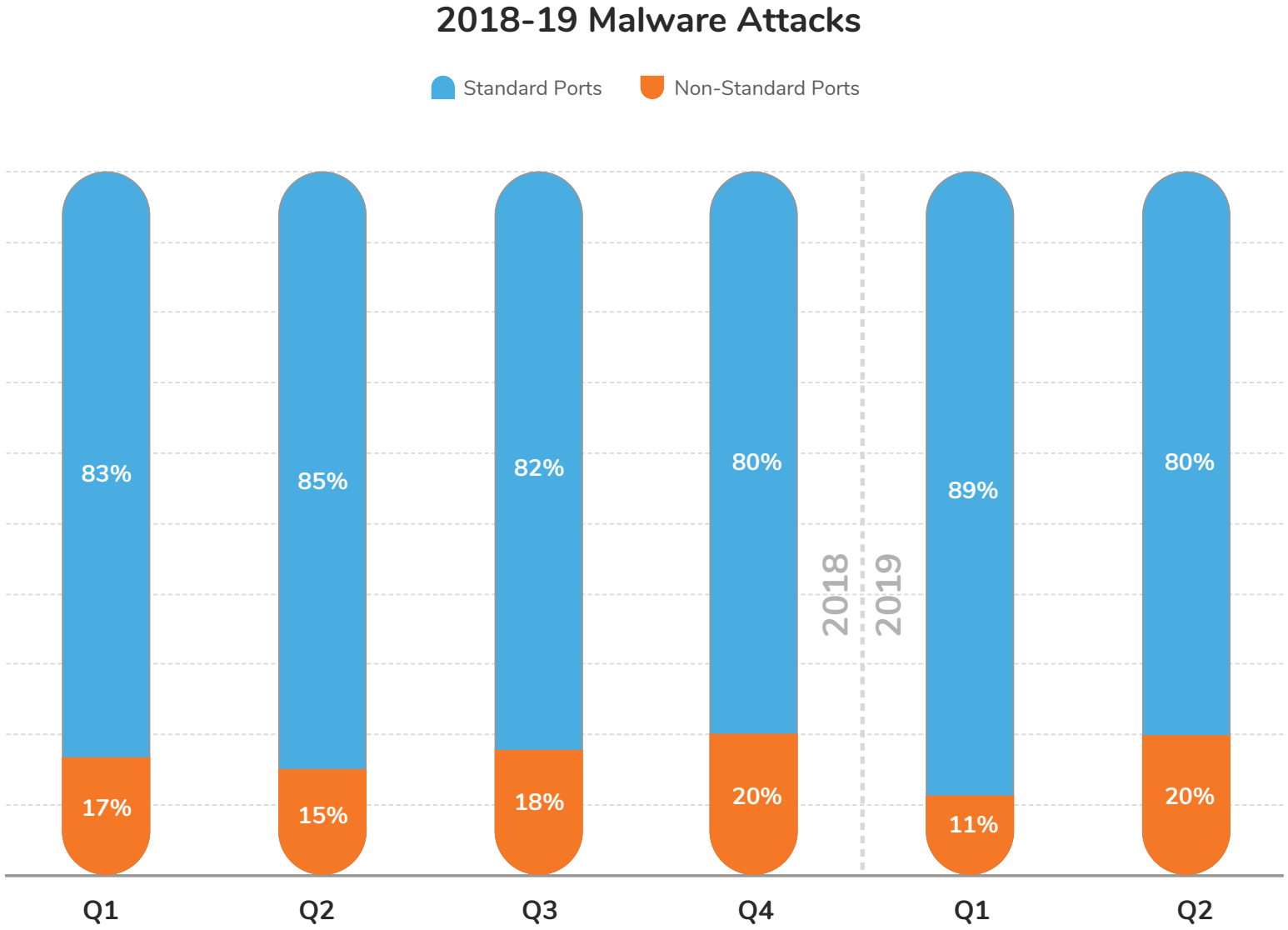
ATTACKS AGAINST NON-STANDARD PORTS STILL A CONCERN

An average of 13% of malware attacks came across non-standard ports for the first half of 2019.

Traditional proxy-based firewalls can't mitigate attacks over non-standard ports (for both encrypted and non-encrypted traffic).



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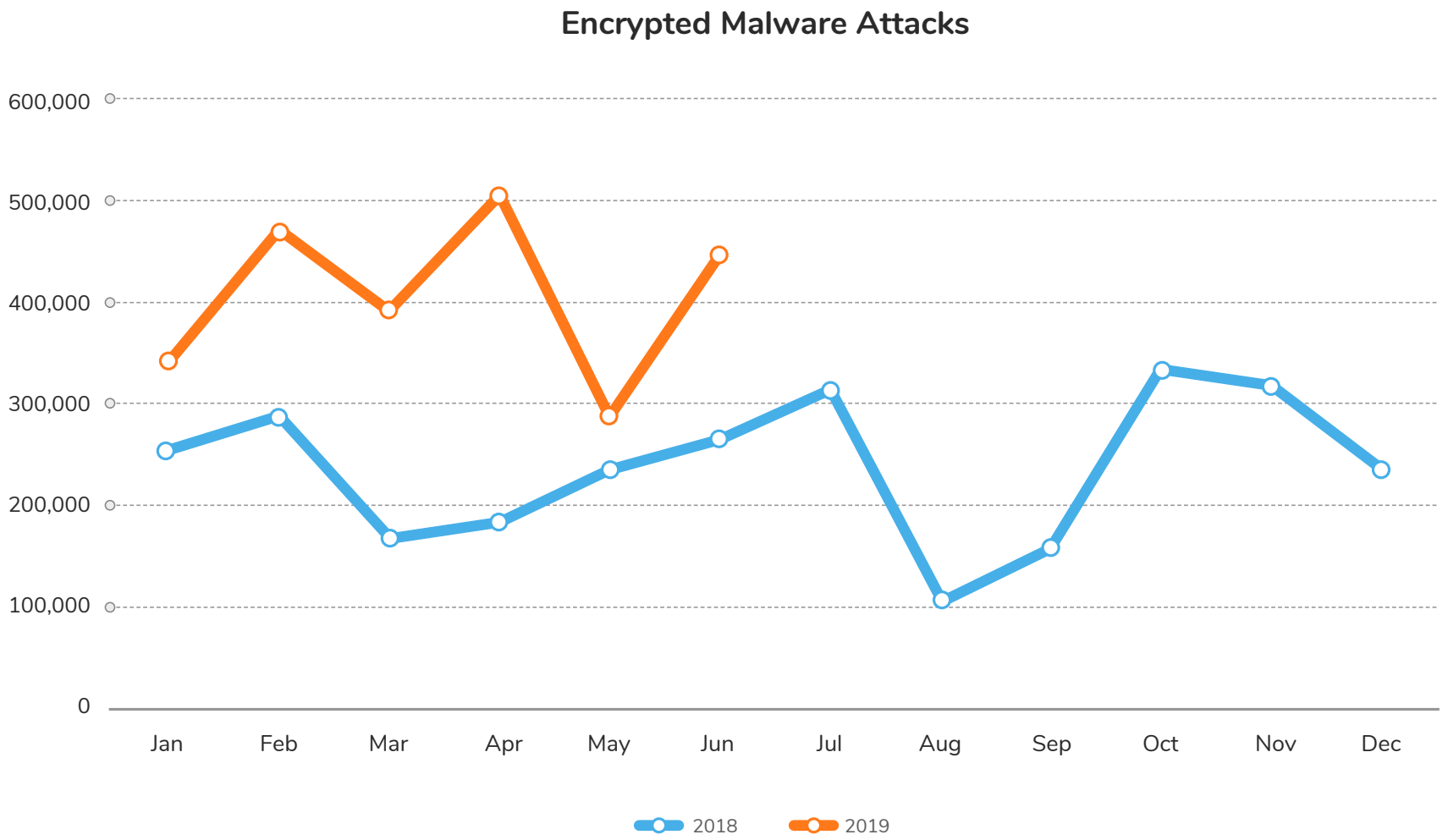
ENCRYPTED THREATS INTENSIFYING

76%

2.4 Million Encrypted Attacks

Through the first six months of 2019, SonicWall has logged 2.4 million encrypted attacks, almost eclipsing the 2018 full-year total in half the time.



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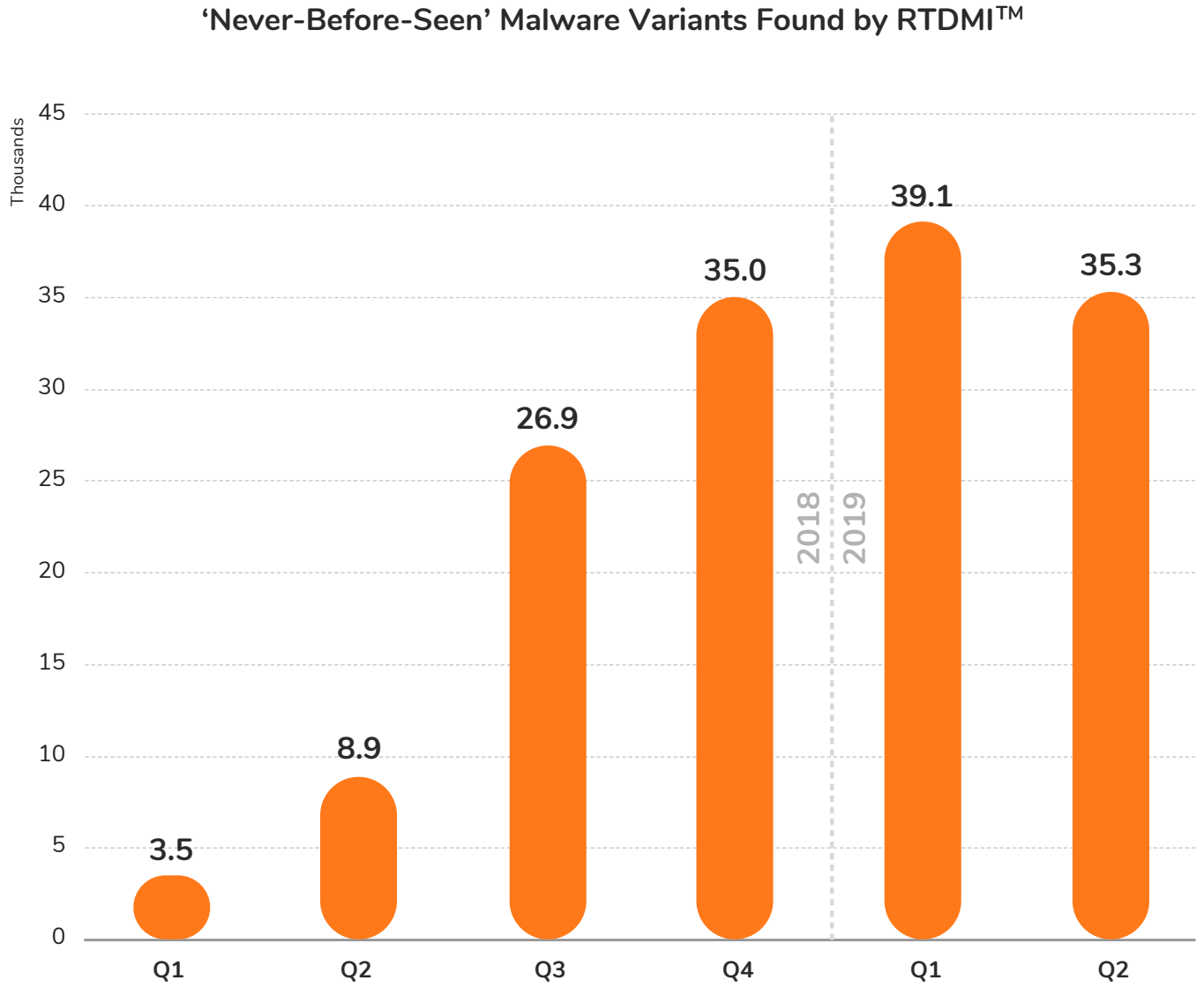
MACHINE LEARNING, MULTI-ENGINE SANDBOXES ARE 'MUST-HAVES' IN 2019

SonicWall Capture ATP sandbox and RTDMI™ technology have been dynamically self-learning since early 2018.

In 2019, Capture ATP discovered and blocked 194,171 new attack variants, a 45% year-to-date increase over 2018.

Of that, RTDMI™ identified 74,360 'never-before-seen' malware variants in 2019.



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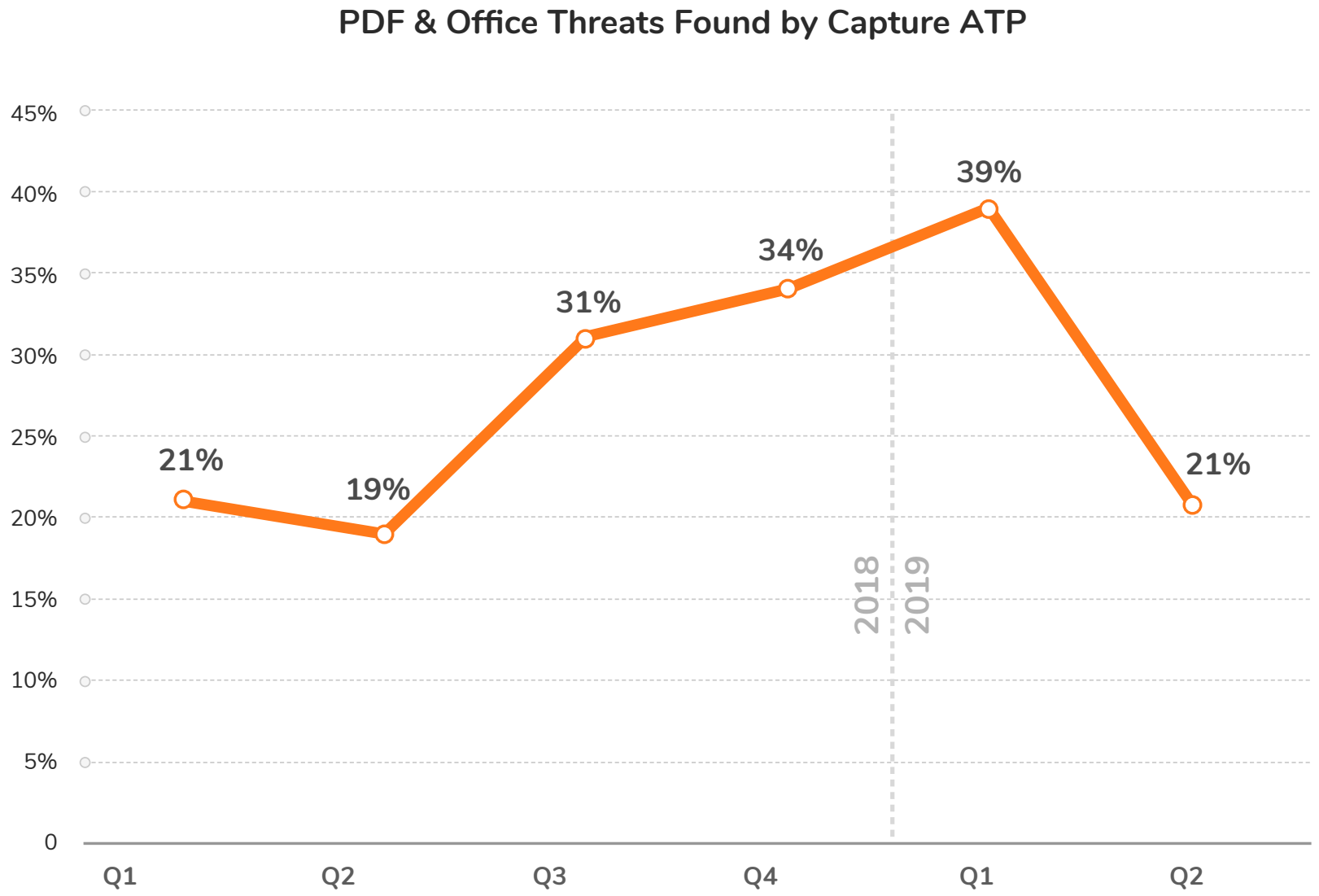
MALICIOUS PDFs, OFFICE FILES REMAIN DANGEROUS THREAT TO BUSINESSES

SonicWall ATP found new malware variants hidden in 33,616 PDFs and Office files in the first half of 2019.

After malicious PDF and Office file attacks peaked at 39% in Q1, volume dropped in Q2.



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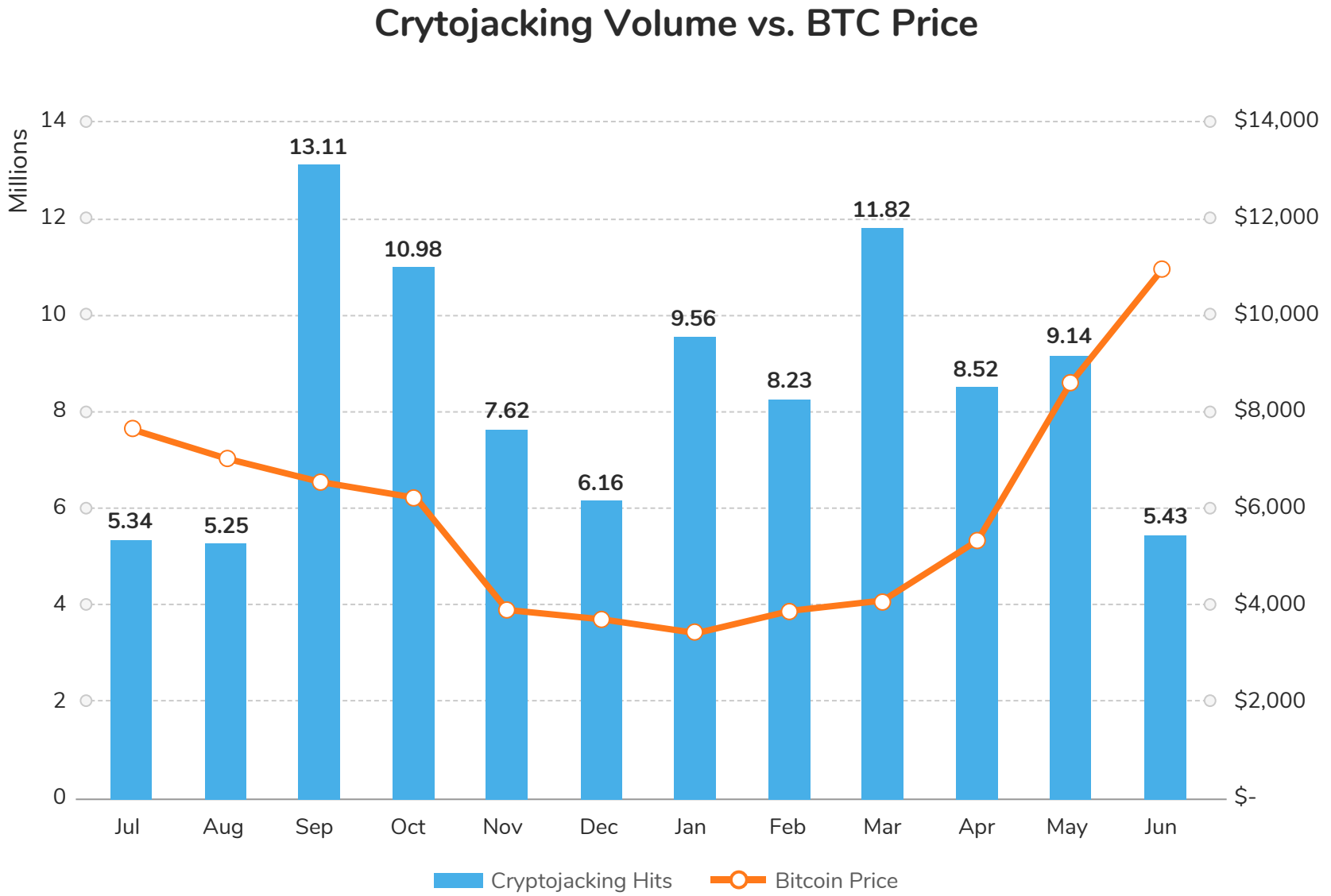
BITCOIN RUN KEEPING CRYPTOJACKING IN PLAY

52.7 Million Cryptojacking Attacks

Halfway through 2019, bitcoin is surging again and is helping cryptojacking stay relevant as a lucrative option for cybercriminals.

Volume passed 52.7 million for the first six months of the year, a 9% increase over the last six months of 2018.



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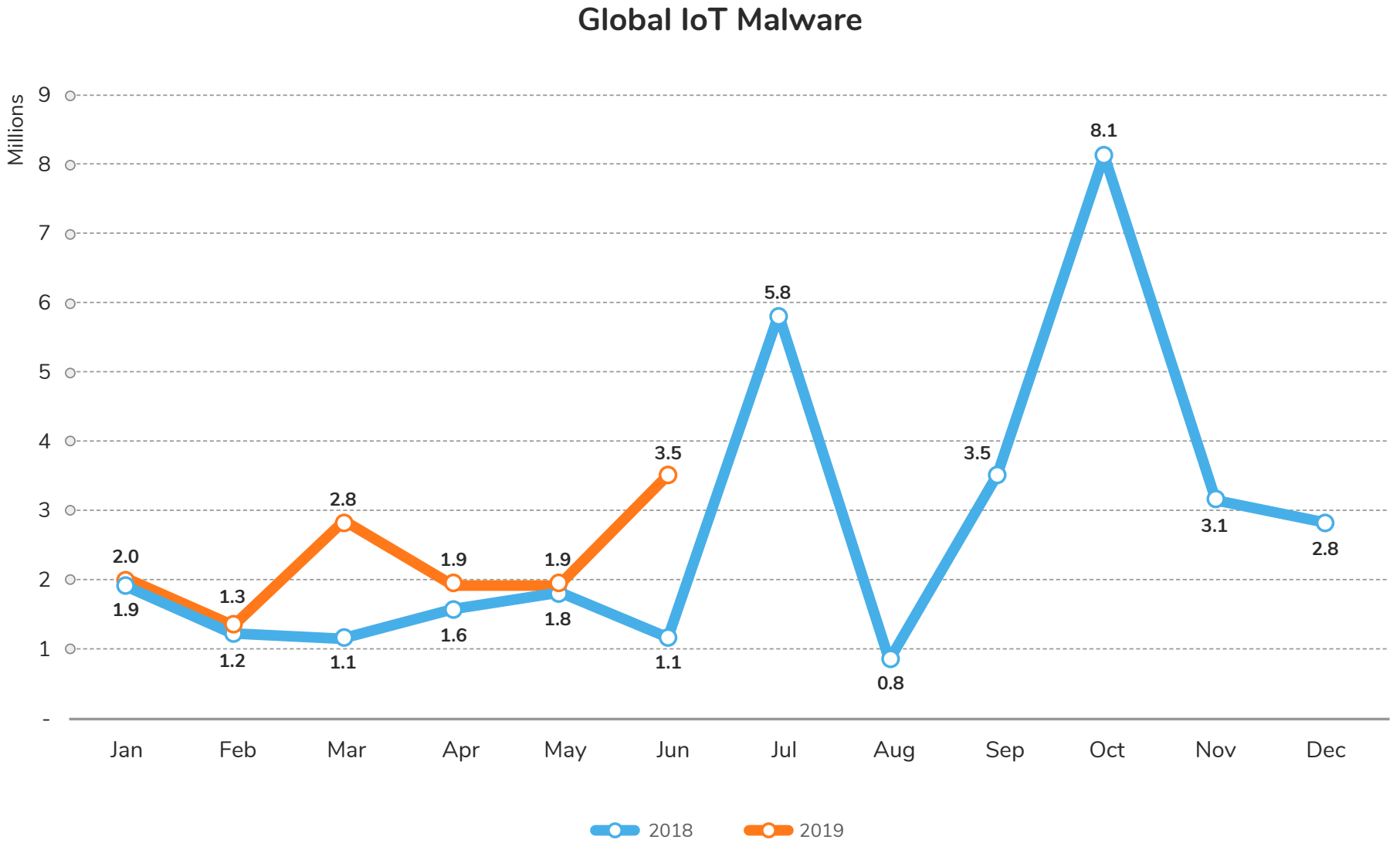
IOT ATTACKS ESCALATING

In the first half of 2019, SonicWall has already logged **13.5 million IoT attacks**, which outpaces the first two quarters of 2018 by **54.6%**.



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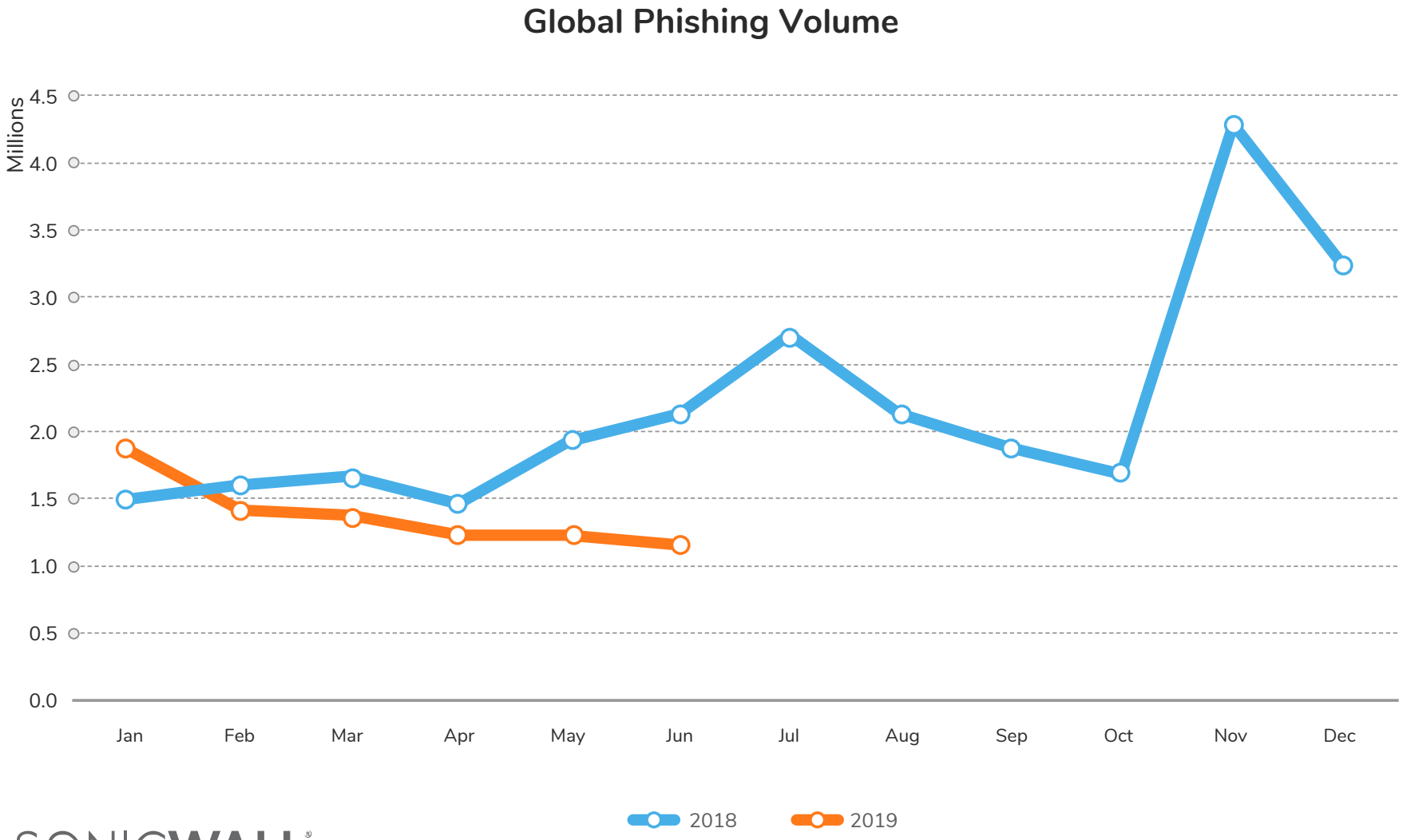
GLOBAL PHISHING TRENDING DOWN



So far in 2019, SonicWall recorded **8.3 million phishing attacks** worldwide, a 19% dip year to date.

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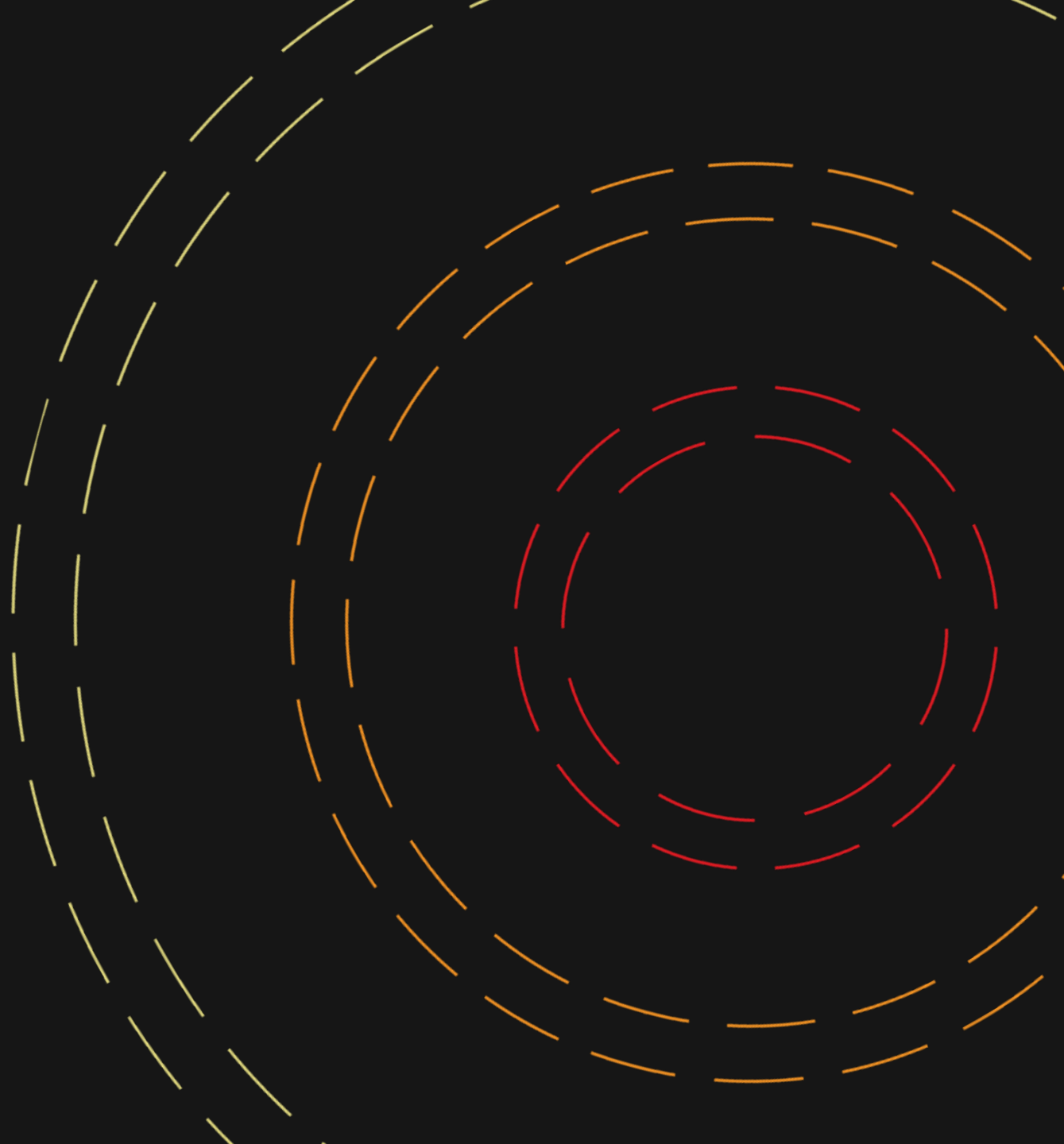
This is our mission.

To promote global awareness and facilitate important dialogues, SonicWall remains steadfast in its commitment to research, analyze and share threat intelligence.



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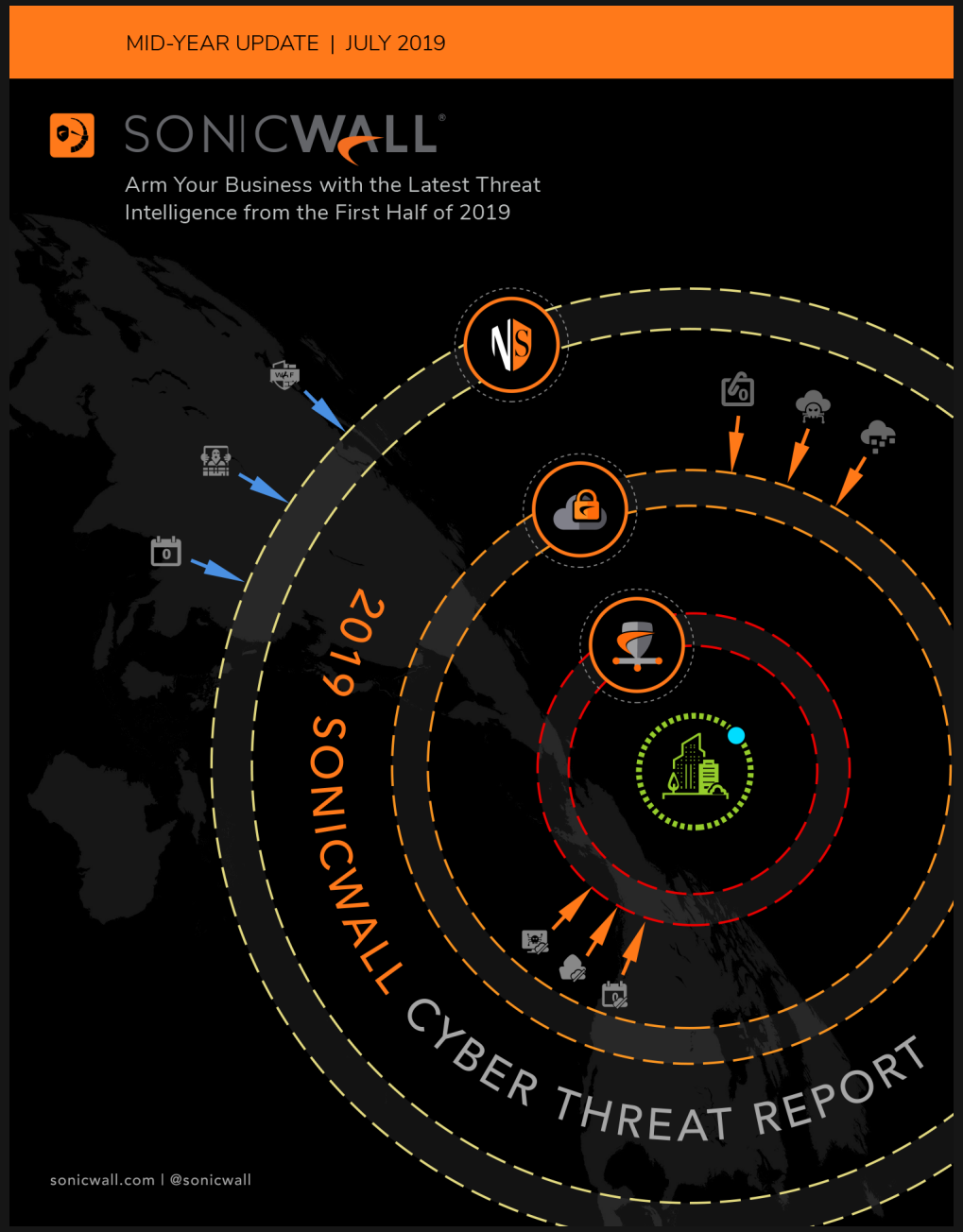
Get the 2019 mid-year update.

Exclusive cyber threat intelligence and analysis. Only from SonicWall Capture Labs.

SonicWall.com/ThreatReport



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