SONICWALL®

SonicWall Network Security Overview

Dan Kremers –
dkremers@sonicwall.com

INNOVATE **MORE.**
FEAR**LESS.**

Agenda

- Why do I need Cybersecurity!
- What are the biggest challenges?
- How does SonicWall protect me
- Layered Security Approach
- Recap


61%
of organizations have been infected by ransomware
Source: CyberEdge
22%
of businesses with under 1,000 employees stopped business operations immediately because of ransomware
Source: CNNMoney
1 in 6
organizations experienced 25 or more hours of downtime
Source: CNNMoney
LESS THAN 50%
of organizations that paid a ransom fully got their data back
Source: Barkly
CLOSED
60%
of small companies that suffer a cyber attack are out of business within six months
Source: SEC
31%
of consumers impacted by a breach stated they discontinued their relationship with an organization that had been breached, and 65% lost trust in that organization
Source: Ponemon Institute

NIST Small Business Cybersecurity Act
Opportunities for SMBs

- President Trump signed new law that requires NIST to provide guidance to help SMBs protect themselves from cyberattack
- The new policy "requires the Commerce Department's National Institute of Standards and Technology (NIST) to develop and disseminate resources for small businesses to help reduce their cybersecurity risks."
- NIST has one year to deliver guidance
- SMBs should follow existing NIST Cybersecurity Framework in interim

- Policy gives partners opportunities to engage with SMBs before guidance is announced
- SonicWall best practices for layered security include:
  - Next-generation firewalls (NGFW) with SSL inspection
  - Multi-engine cloud sandbox with deep memory inspection
  - Endpoint protection (next-generation antivirus)
  - Email security
  - Secure mobile access
  - Wireless network security (Wi-Fi access points)
  - Cloud-based management, analytics and reporting

Email Is The #1 Threat Vector

90% of cyber-attacks start with a successful phishing campaign

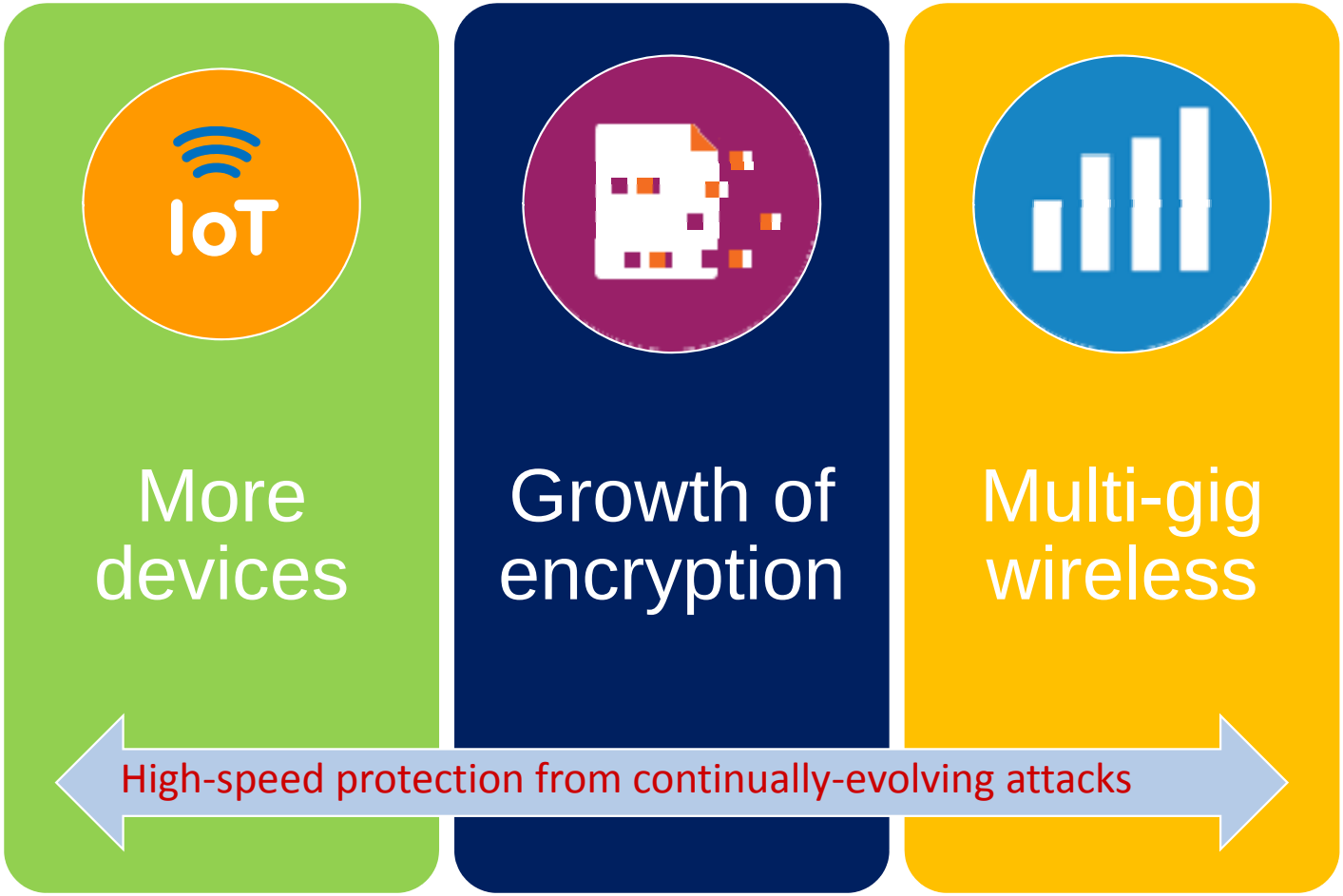
66% of malware is installed via malicious email attachments

59% of phishing emails deliver ransomware

$5.3B lost due to business email compromise (BEC)

SONICWALL

Organizations Face Big Security Challenges



SONICWALL

70%

of Internet connections were encrypted with TLS/SSL this year

5%

of all malware used TLS/SSL encryption

Only 5% of customers have deployed TLS/SSL inspection.

SONICWALL®

Our Vision: Automated Real-time Breach Detection and Prevention

ADVANCED THREATS

Ransomware

Fileless Malware

Encrypted Malware

Cryptojacking

Malvertising

Phishing

THE CHALLENGE

Any Vehicle
Email, Browser, Apps, Files

Any Traffic
Encrypted, Unencrypted

Any Network
Wired, Wireless, Mobile, Cloud

Any Device
PC, Tablet, Phone, IoT

CRITICAL COMPONENTS

Inspect all SSL/encrypted traffic

Machine learning

Zero day detection & blocking

Multi-faceted cloud sandbox

Block files until a verdict is rendered

Endpoint Security

SONICWALL

The SonicWall Security Portfolio

Management, Reporting and Analytics

Network Security
- Capture ATP with RTDMI
- Virtual/hardware appliances
- Wireless network security
- SSL and IPsec VPN

Endpoint Security
- Enforced Next-Gen AV
- DPI-SSL cert management
- Unique rollback capability
- Machine learning based

Email Security
- O365 / G Suite protection
- Anti-spam / phishing
- Multi-engine sandbox
- Email fraud prevention

Cloud Security
- Web protection and threat management
- Data leak prevention
- Cloud app security

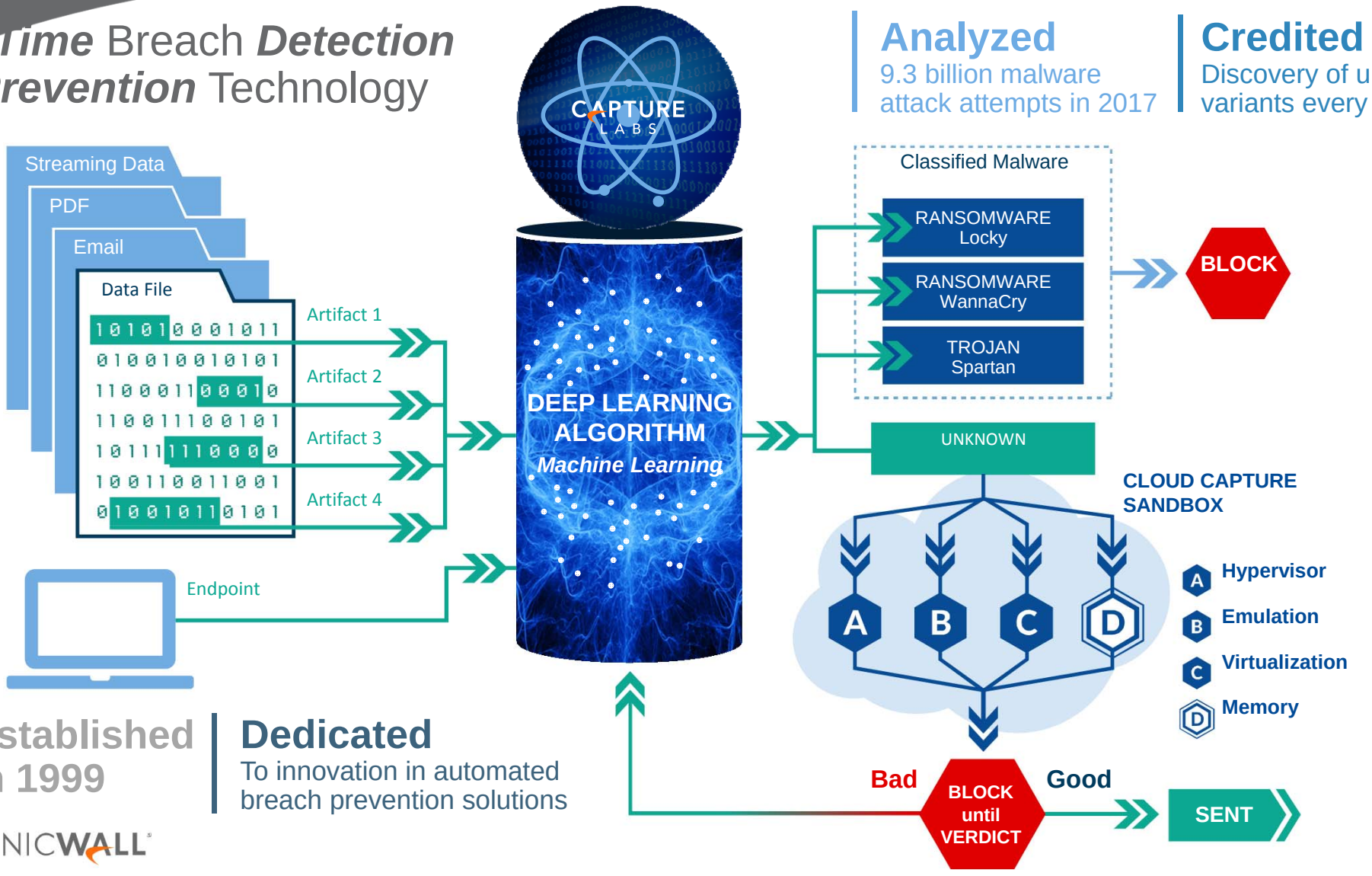
Capture Security Center

Capture Client

Cloud App Security

SONICWALL

Real-Time Breach *Detection* and *Prevention* Technology



Analyzed
9.3 billion malware attack attempts in 2017

Credited
Discovery of unique variants every day.

Established in 1999

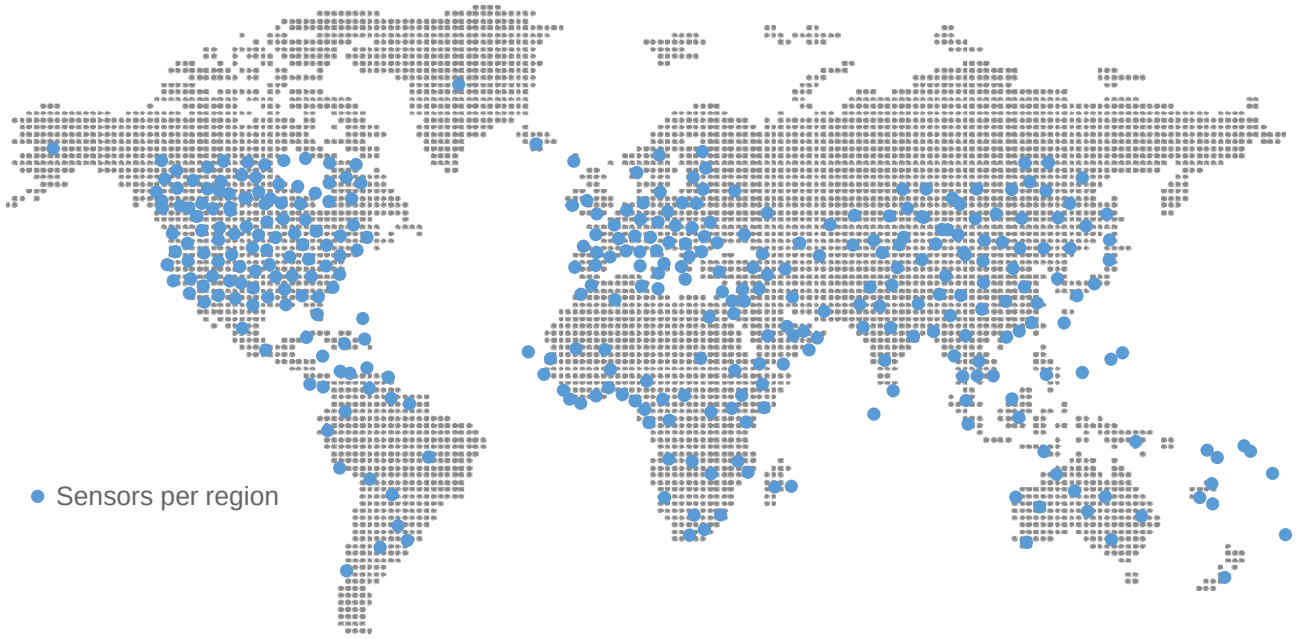
Dedicated
To innovation in automated breach prevention solutions

SONICWALL

SONICWALL CAPTURE LABS THREAT NETWORK

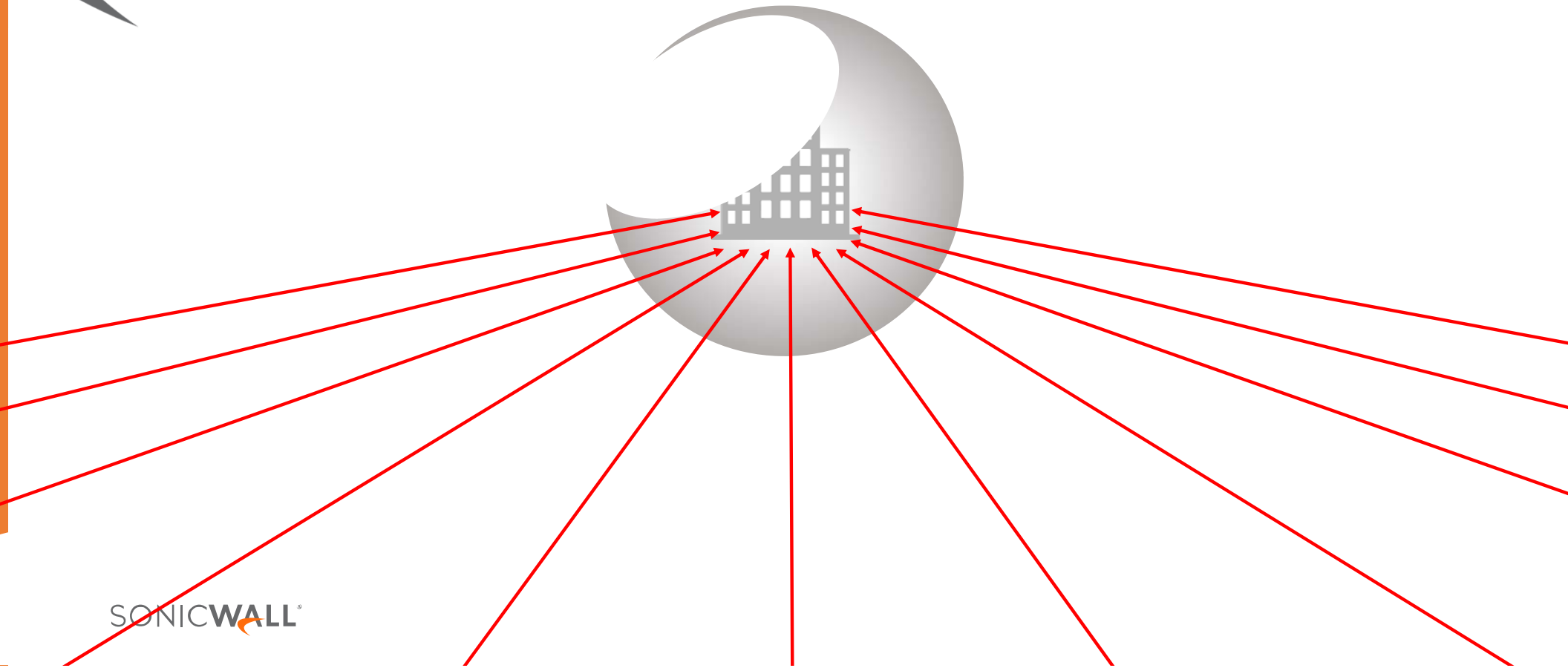
1M+	200+	24x7 x365	< 24 Hr.	220K+	200K+
Sensors	Countries & Territories	Monitoring	Response to 0-Day Vulnerabilities	Malware Samples Collected Daily	Malicious Events Analyzed Daily

SonicWall Capture Labs leverages the Capture Threat Network, which includes information from global devices and resources.



SONICWALL®

Defense in Depth with the SonicWall Platform



SONICWALL

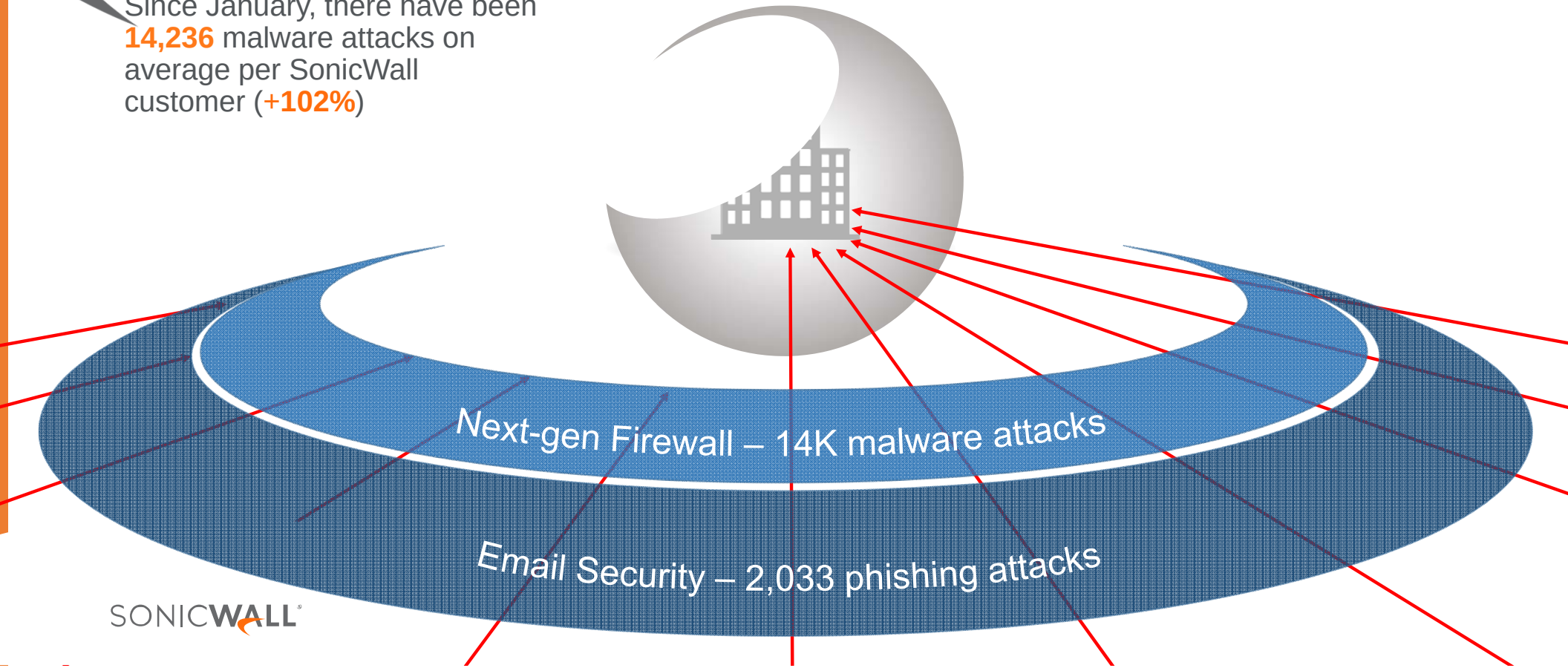
Defense in Depth with the SonicWall Platform

YTD, there have been **2,033** phishing attacks on the average SonicWall customer

SONICWALL

Defense in Depth with the SonicWall Platform

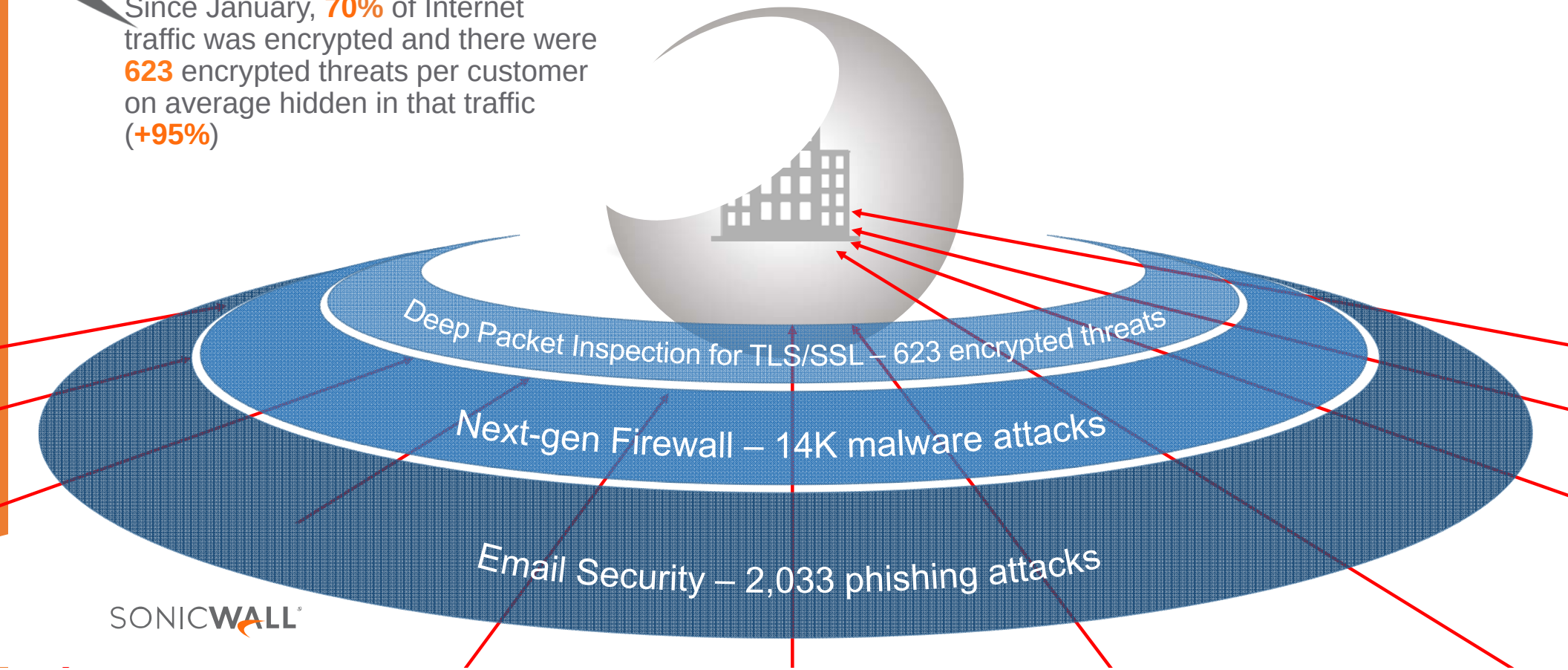
Since January, there have been **14,236** malware attacks on average per SonicWall customer (**+102%**)



SONICWALL

Defense in Depth with the SonicWall Platform

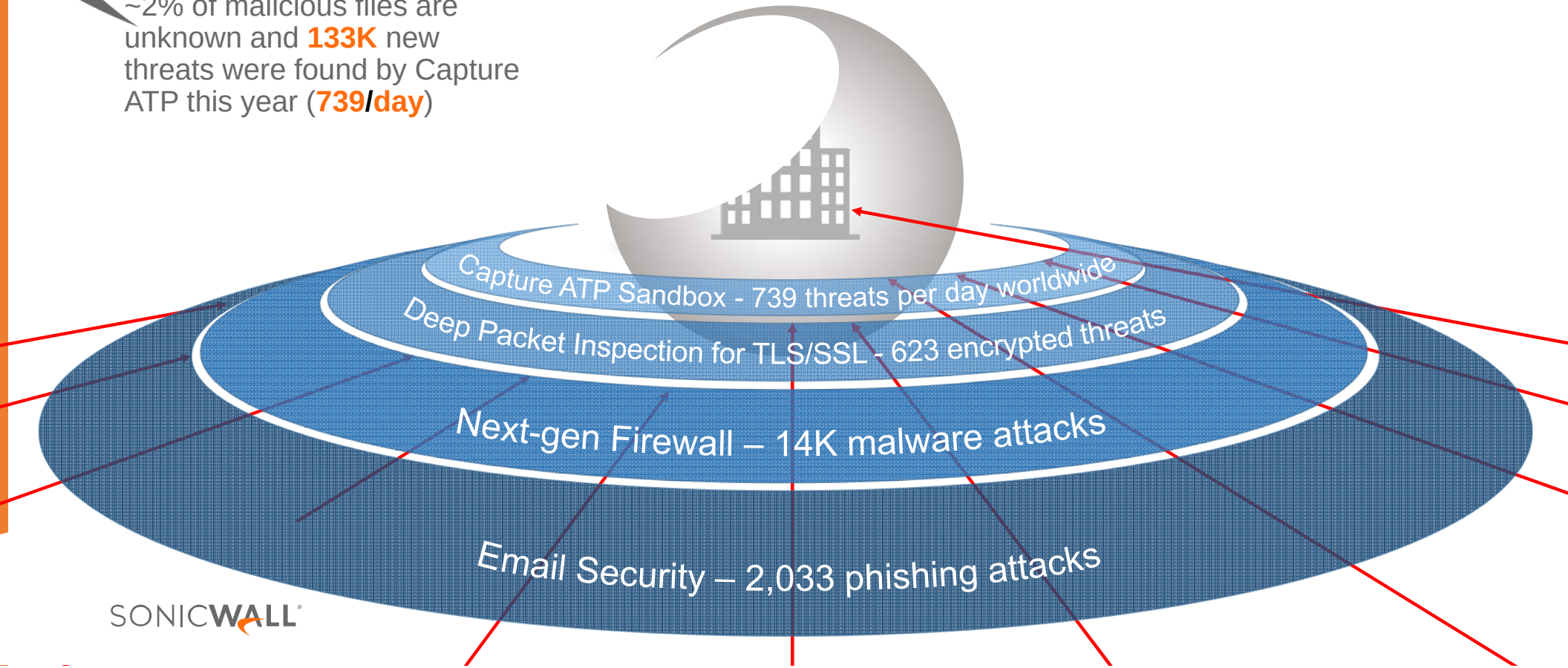
Since January, **70%** of Internet traffic was encrypted and there were **623** encrypted threats per customer on average hidden in that traffic (**+95%**)



SONICWALL

Defense in Depth with the SonicWall Platform

~2% of malicious files are unknown and **133K** new threats were found by Capture ATP this year (**739/day**)

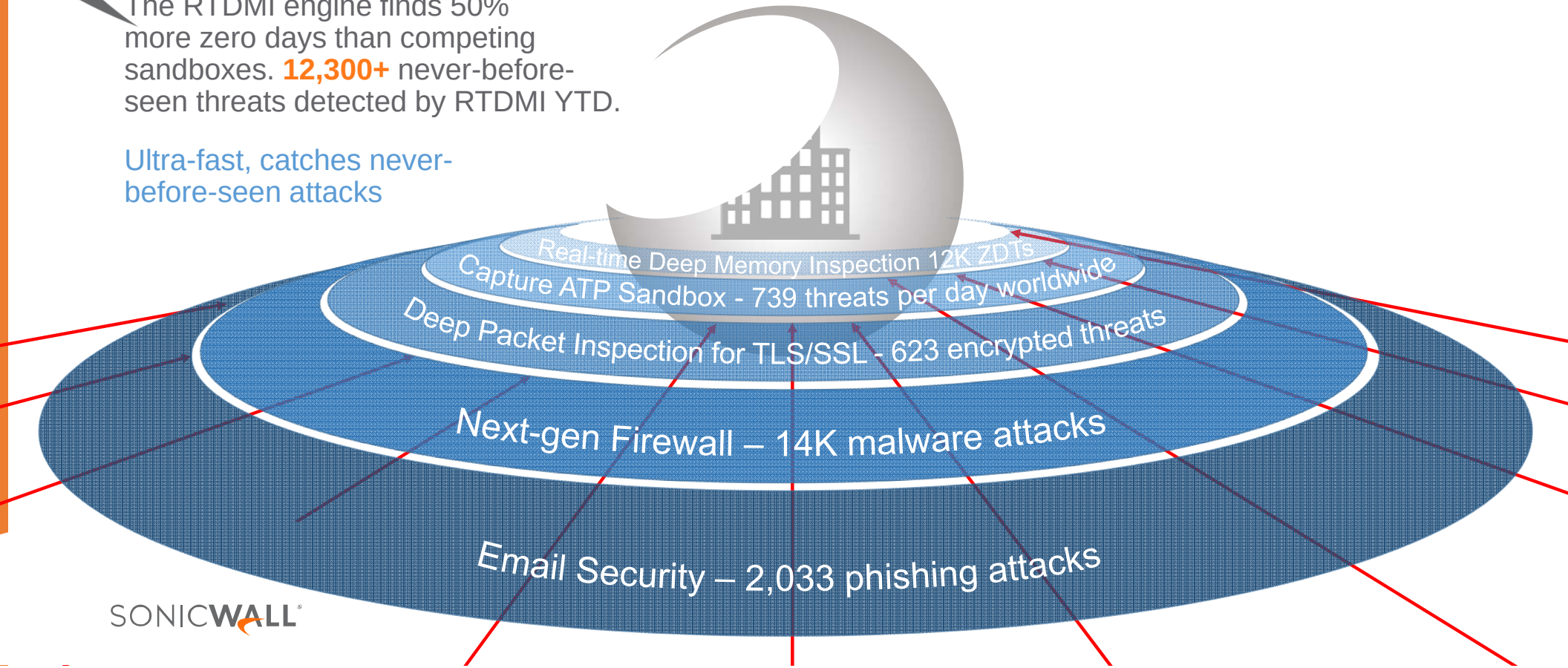


SONICWALL

Defense in Depth with the SonicWall Platform

The RTDMI engine finds 50% more zero days than competing sandboxes. **12,300+** never-before-seen threats detected by RTDMI YTD.

Ultra-fast, catches never-before-seen attacks

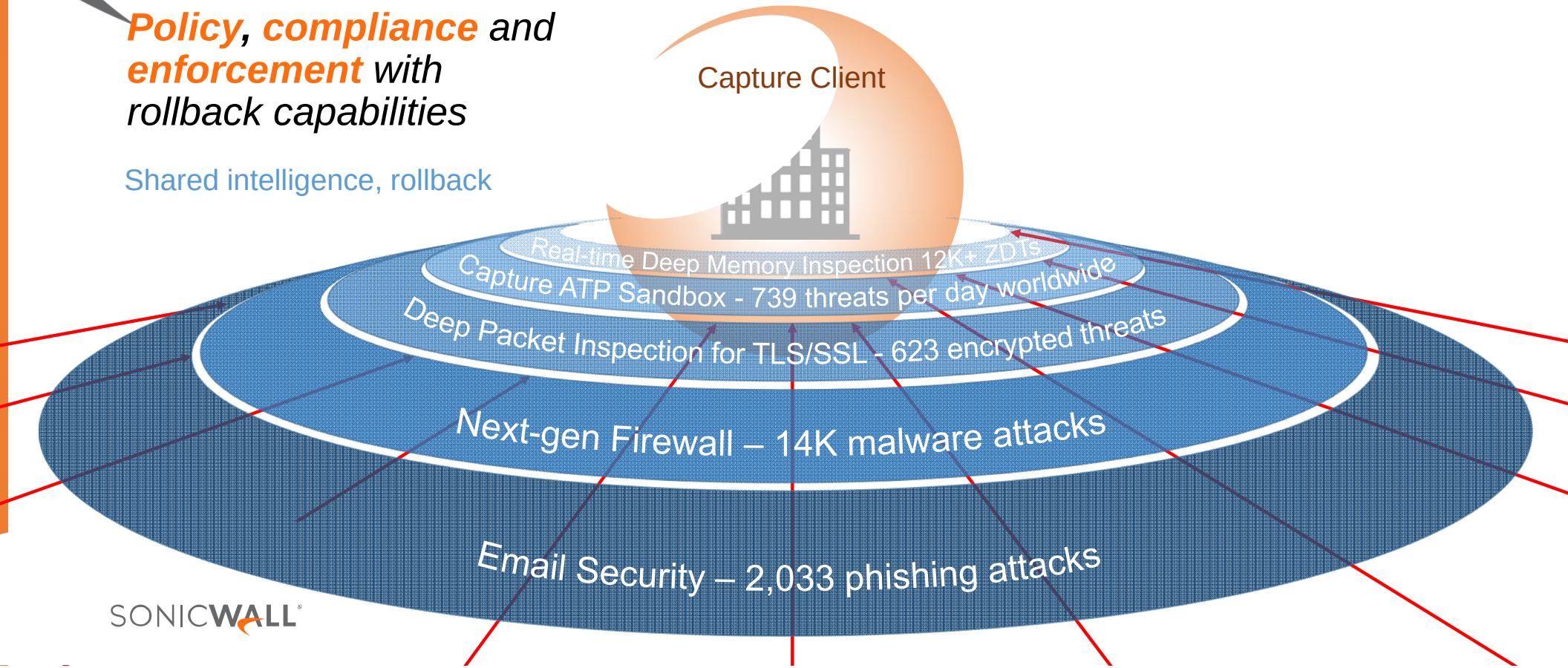


SONICWALL

SonicWall Capture Client

***Policy*, *compliance* and *enforcement* with rollback capabilities**

Shared intelligence, rollback



SONICWALL

SonicWALL AWARDS IN FY'19 (FEB-SEPT)

Global Results
43 Awards Won

12 Product Awards

9 Partner Program Awards

22 Business Awards

SONICWALL

FEAR LESS.

Achieve more than just breach detection.

We can help you achieve automated real-time breach prevention that protects your organization from today's most pervasive cyber threats.

Securing your journey to the cloud, software as a service and digital business future.

Want to learn more?

SONICWALL