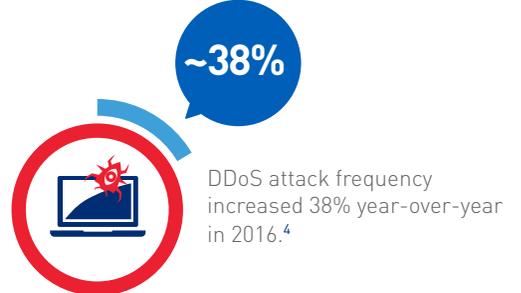## LEVEL 3 ADAPTIVE SECURITY SOLUTIONS:

GLOBAL VISIBILITY
IS THE DIFFERENCE

Today's cyber threats are increasing in volume, diversity and sophistication, rapidly outstripping the ability of point security solutions to safeguard critical data, applications and systems. Adaptive Security from Level 3 replaces these vulnerable point solutions with a multi-layered approach that enables us to predict and detect threats, then alert and secure our customers' network and infrastructure.
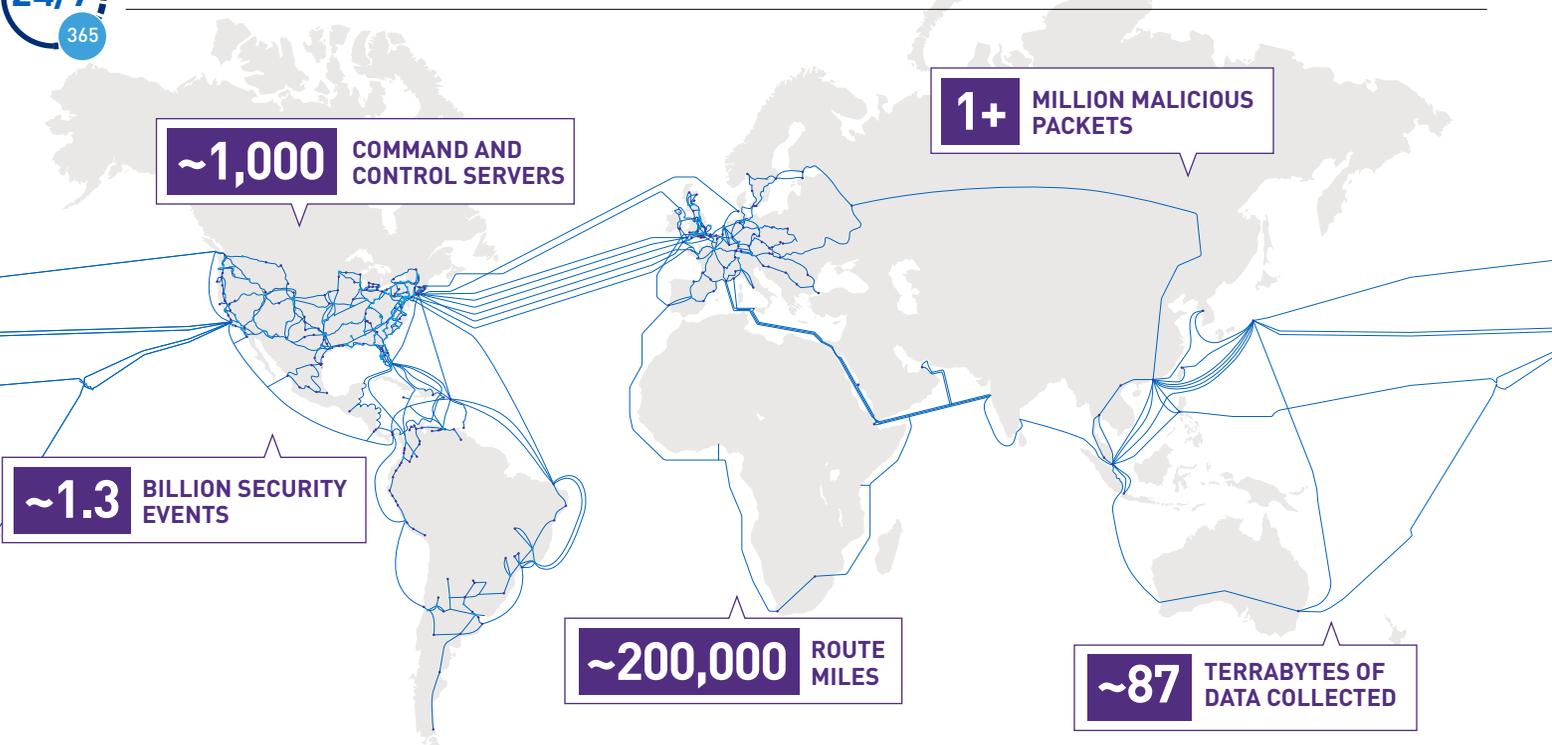
DDoS

$500 PER MINUTE

$500 per minute is the estimated cost of downtime caused by DDoS attacks.[1]

OVER $1.2 MILLION

Over 1.2 million new ransomware samples were collected per quarter by the end of 2016.[2]

$4 MILLION

~$4 million is the average total cost of a data breach.[3]

~38%

DDoS attack frequency increased 38% year-over-year in 2016.[4]

WE SEE MORE, SO
WE CAN STOP MORE

What's needed now is Level 3 Adaptive Security Solutions. We operate a vast global fiber network, which provides a comprehensive view of what's happening across the threat landscape. This vantage point means that we can see threats coming — and help stop them — before they affect your business.

Supported 24/7 by experienced security professionals in our global Security Operations Centers and Level 3[SM] Threat Research Labs, we deliver multi-layered defense to help enable confident growth.

24/7 365

EVERY DAY, AROUND THE CLOCK, WE TRACK, MONITOR AND MANAGE:

~1,000 COMMAND AND CONTROL SERVERS

1+ MILLION MALICIOUS PACKETS

~1.3 BILLION SECURITY EVENTS

~200,000 ROUTE MILES
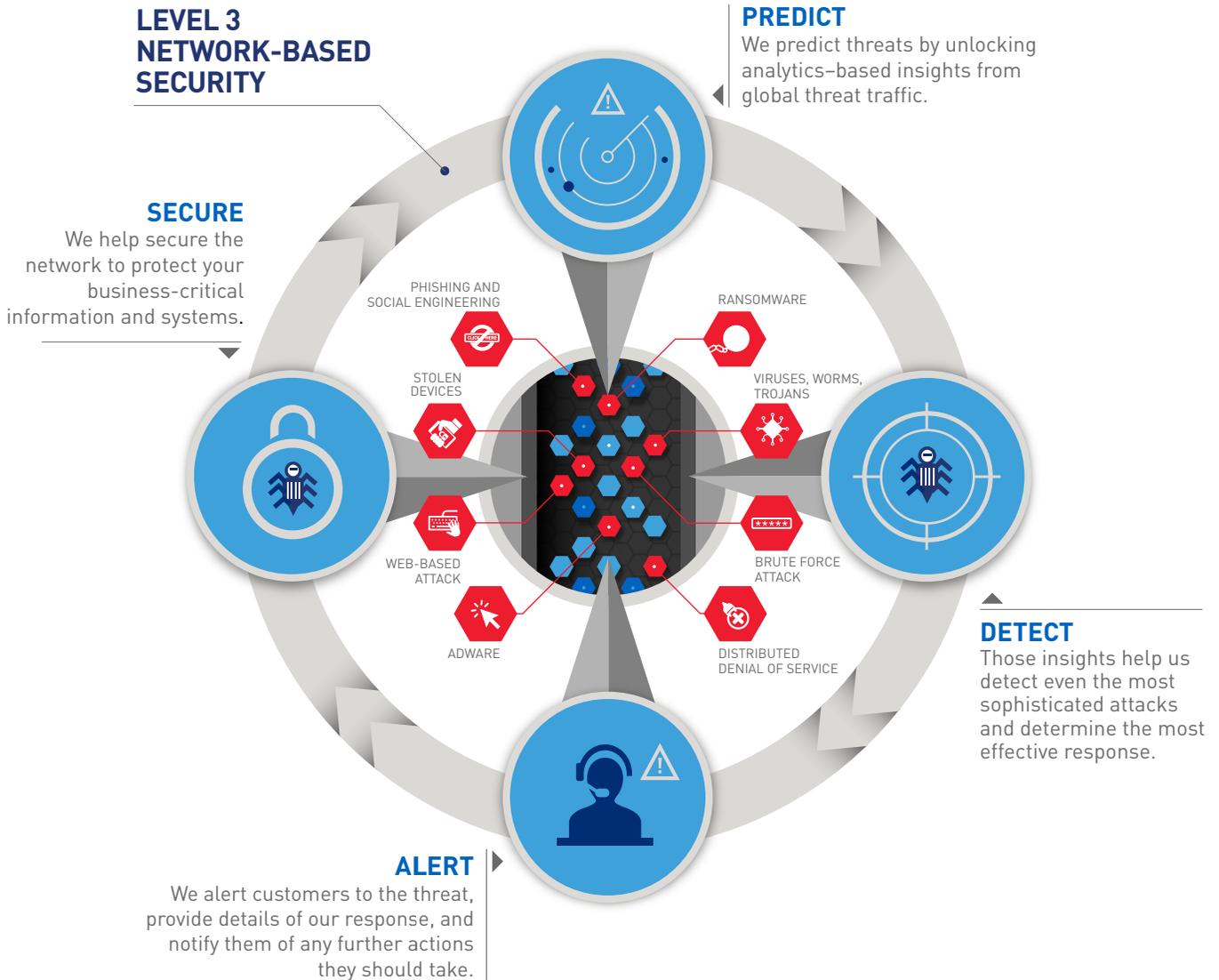
~87 TERRABYTES OF DATA COLLECTED

FOOTNOTES

[1] Arbor Networks, *Arbor Networks Special Report Volume XII*, January

[2] McAfee, *McAfee Threat Labs Report*, December 2016.

[3] Ponemon Institute (sponsored by IBM), *2016 Cost of Data Breach Study: Global Analysis*, June 2016.

[4] Arbor Networks, *Arbor Networks Special Report Volume XII*, January 2017

HERE'S **HOW WE DO IT**

Level 3's field-proven, network-based security strategy is built around four essential actions: **predict, detect, alert, secure.**

LEVEL 3 NETWORK-BASED SECURITY

PREDICT
We predict threats by unlocking analytics–based insights from global threat traffic.

SECURE
We help secure the network to protect your business-critical information and systems.

PHISHING AND SOCIAL ENGINEERING

RANSOMWARE

STOLEN DEVICES

VIRUSES, WORMS, TROJANS

WEB-BASED ATTACK

BRUTE FORCE ATTACK

ADWARE

DISTRIBUTED DENIAL OF SERVICE

DETECT
Those insights help us detect even the most sophisticated attacks and determine the most effective response.

ALERT
We alert customers to the threat, provide details of our response, and notify them of any further actions they should take.

SO, WHERE SHOULD **YOU START?**

All Level 3 security services take full advantage of the global visibility and built-in security capabilities of the Level 3 fiber network. Getting started is easy, and you can add capabilities as needed — simply and cost-effectively — to support growth.

LEVEL 3 SECURITY SERVICES

Level 3® DDoS Mitigation Service
Begin here to quickly safeguard websites, applications or entire networks. Available on demand or as an "always-on" service, capabilities such as enhanced network routing, rate limiting, filtering and advanced traffic scrubbing help stop distributed denial of service (DDoS) attacks from damaging your organization.

Level 3℠ Adaptive Network Security
Cost-effectively enhance your network security posture with a professionally managed, network-based firewall.
Easily add functions such as anti-malware sandboxing, data loss protection, web content filtering, application awareness and control. You'll benefit from a simplified network security infrastructure, while easing operational and administrative burdens on your staff.

Level 3℠ Professional Security Services
Address the risks of the evolving threat landscape with constant monitoring. We start by identifying gaps in your network security and determining if those vulnerabilities can be exploited to gain access to critical data and systems. The next step is to centralize your device management to help reduce capital outlay, control headcount and help ensure your devices are up to date. By utilizing our Cyber Risks and Vulnerability Management interactive visualization and analytics platform, we can then aggregate data to help detect hidden patterns, identify vulnerabilities and mitigate risks on your network.

Level 3℠ Adaptive Threat Intelligence
In a world of ever-increasing threats and bad actors, securing your network begins with awareness. The Level 3℠ Adaptive Threat Intelligence service lifts the burden of appliance maintenance and risk analysis from your shoulders, allowing you to act on threats rather than digging for them. We leverage our extensive global network visibility and to provide prioritized threat data correlated to your IP addresses. And we can deliver all this through an easy-to-use portal, or directly to your SIEM, without requiring the management of on-site equipment. More than just a "threat list," Level 3 provides intelligence you can act on.

TAKE CONTROL OF YOUR NETWORK SECURITY. OWN YOUR DEFENSE.
Find out more about network-based security solutions from Level 3 at **level3.com**

Level (3)
COMMUNICATIONS
Connecting and Protecting
the Networked World℠