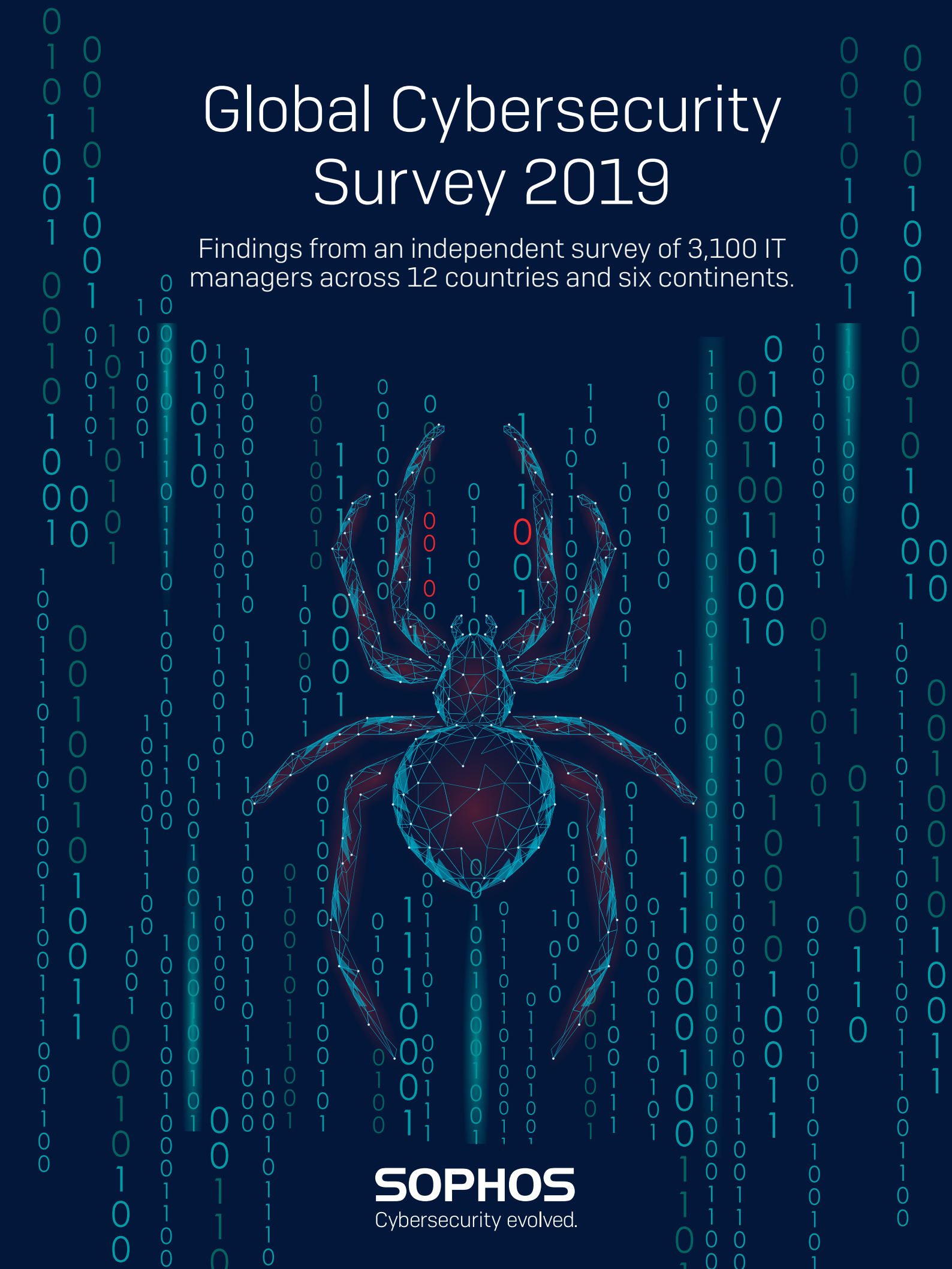
Global Cybersecurity Survey 2019

Findings from an independent survey of 3,100 IT managers across 12 countries and six continents.



SOPHOS

Cybersecurity evolved.

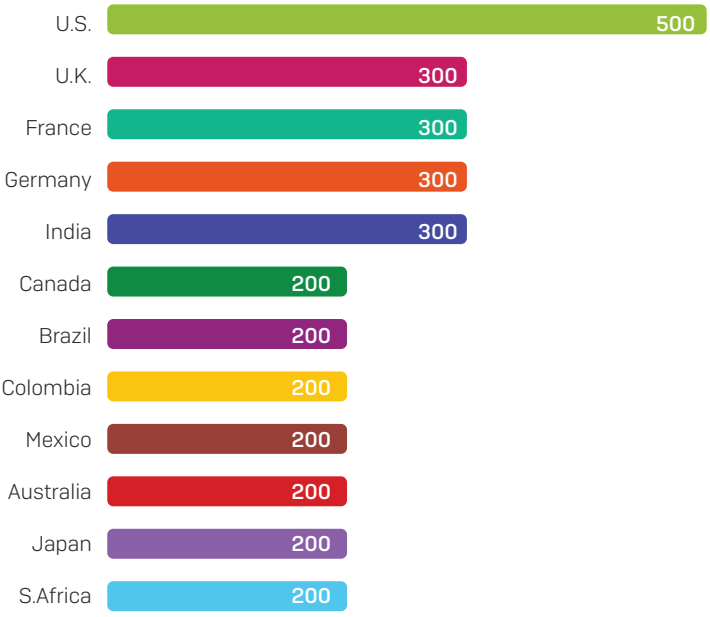
Contents

Introduction

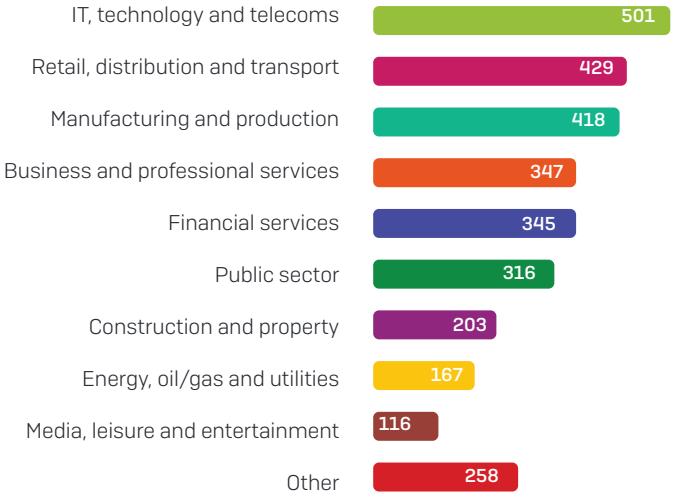
To better understand the day-to-day realities of cybersecurity facing IT teams across the globe, Sophos commissioned independent research specialist Vanson Bourne to survey 3,100 IT decision makers across 12 countries and six continents.

To ensure representative data, respondents were from a wide range of industries. Within each country, respondents were split equally between 100-1,000 user organizations and 1,001-5,000 user organizations. The survey was conducted between December 2018 – January 2019.

Number of responents per country



Split of respondents by industry



Global Results

3,100 respondents

68%
Hit by cyberattack in last year

91%
Running up-to-date protection when hit by attack

30%
Attack victims hit by ransomware

26%
IT time spent on cybersecurity

80%
Wish they had a stronger IT security team

2/3
Lack cybersecurity budget

13 hours
On average to discover a threat

1/5
Don't know how the threat got in

37%
Threats discovered on servers

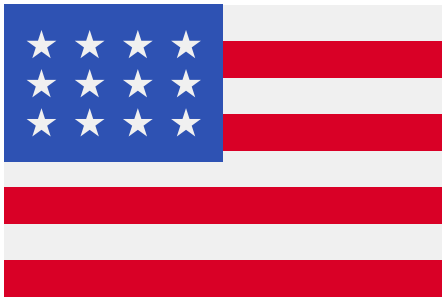
8
Potential security incidents investigated per month

3.4 days
Lost each month investigating non-incidents

43%
Network traffic unclassified

U.S.A.

500 respondents



71%
Hit by cyberattack in last year

94%
Running up-to-date protection when hit by attack

32%
Attack victims hit by ransomware

28%
IT time spent on cybersecurity

76%
Wish they had a stronger IT security team

2/3
Lack cybersecurity budget

12 hours
On average to discover a threat

17%
Don't know how the threat got in

41%
Threats discovered in the network

9
Potential security incidents investigated per month

3.3 days
Lost each month investigating non-incidents

45%
Network traffic unclassified

Average cost to rectify a ransomware attack: US$852,886

Canada

200 respondents

63%
Hit by cyberattack in last year

94%
Running up-to-date protection when hit by attack

30%
Attack victims hit by software exploit

24%
IT time spent on cybersecurity

74%
Wish they had a stronger IT security team

65%
Lack cybersecurity budget

10 hours
On average to discover a threat

21%
Don't know how the threat got in

42%
Threats discovered on the server

7
Potential security incidents investigated per month

2.6 days
Lost each month investigating non-incidents

43%
Network traffic unclassified

Average cost to rectify a ransomware attack: CA$1,308,809

Brazil

200 respondents

73%
Hit by cyberattack in last year

92%
Running up-to-date protection when hit by attack

43%
Attack victims hit by software exploit

28%
IT time spent on cybersecurity

87%
Wish they had a stronger IT security team

65%
Lack cybersecurity budget

10 hours
On average to discover a threat

23%
Don't know how long the threat was in the environment

45%
Threats discovered in the network

8
Potential security incidents investigated per month

3.4 days
Lost each month investigating non-incidents

43%
Network traffic unclassified

Colombia

200 respondents

76%
Hit by cyberattack in last year

71%
Running up-to-date protection when hit by attack

45%
Attack victims hit by software exploit

26%
IT time spent on cybersecurity

97%
Wish they had a stronger IT security team

71%
Lack cybersecurity budget

15 hours
On average to discover a threat

21%
Don't know how the threat got in

46%
Threats discovered on the server

9
Potential security incidents investigated per month

3.4 days
Lost each month investigating non-incidents

40%
Network traffic unclassified

Mexico

200 respondents

82%
Hit by cyberattack in last year

87%
Running up-to-date protection when hit by attack

51%
Attack victims hit by software exploit

27%
IT time spent on cybersecurity

95%
Wish they had a stronger IT security team

65%
Lack cybersecurity budget

16 hours
On average to discover a threat

21%
Don't know how long the threat was in the environment

42%
Threats discovered on the server

8
Potential security incidents investigated per month

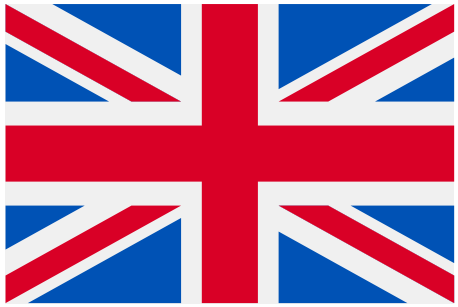
3.5 days
Lost each month investigating non-incidents

36%
Network traffic unclassified

Average cost to rectify a ransomware attack: MEX$6,233,220

United Kingdom

300 respondents



53%
Hit by cyberattack in last year

95%
Running up-to-date protection when hit by attack

39%
Attack victims hit by software exploit

24%
IT time spent on cybersecurity

74%
Wish they had a stronger IT security team

64%
Lack cybersecurity budget

12 hours
On average to discover a threat

16%
Don't know how long the threat was in the environment

35%
Threats discovered in the network

9
Potential security incidents investigated per month

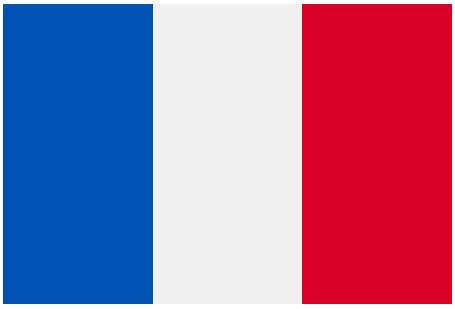
2.6 days
Lost each month investigating non-incidents

43% days
Network traffic unclassified

Average cost to rectify a ransomware attack: £564,072

France

300 respondents



79%
Hit by cyberattack in last year

98%
Running up-to-date protection when hit by attack

33%
Attack victims hit by software exploit

1/4
IT time spent on cybersecurity

79%
Wish they had a stronger IT security team

62%
Lack cybersecurity budget

16 hours
On average to discover a threat

1/4
Don't know how the threat got in

37%
Threats discovered in the network

8
Potential security incidents investigated per month

2.6 days
Lost each month investigating non-incidents

1/2
Network traffic unclassified

Average cost to rectify a ransomware attack: €595,203

Germany

300 respondents

73%
Hit by cyberattack in last year

95%
Running up-to-date protection when hit by attack

38%
Attack victims hit by ransomware

24%
IT time spent on cybersecurity

81%
Wish they had a stronger IT security team

62%
Lack cybersecurity budget

11 hours
On average to discover a threat

16%
Don't know how long the threat was in the environment

36%
Threats discovered in the network

9
Potential security incidents investigated per month

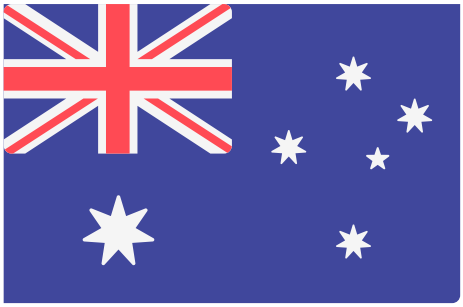
2.6 days
Lost each month investigating non-incidents

40%
Network traffic unclassified

Average cost to rectify a ransomware attack: €599,937

Australia

200 respondents



69%
Hit by cyberattack in last year

88%
Running up-to-date protection when hit by attack

38%
Attack victims hit by ransomware

26%
IT time spent on cybersecurity

76%
Wish they had a stronger IT security team

64%
Lack cybersecurity budget

10 hours
On average to discover a threat

15%
Don't know how the threat got in

43%
Threats discovered in the network

8
Potential security incidents investigated per month

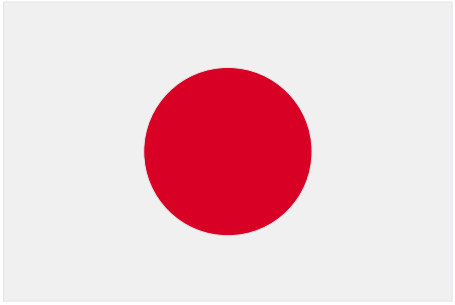
3.4 days
Lost each month investigating non-incidents

41%
Network traffic unclassified

Average cost to rectify a ransomware attack: AU$803,875

Japan

200 respondents



24%
Hit by cyberattack in last year

94%
Running up-to-date protection when hit by attack

49%
Attack victims hit by ransomware

19%
IT time spent on cybersecurity

3/4
Wish they had a stronger IT security team

70%
Lack cybersecurity budget

17 hours
On average to discover a threat

15%
Don't know how the threat got in

36%
Threats discovered in the network

5
Potential security incidents investigated per month

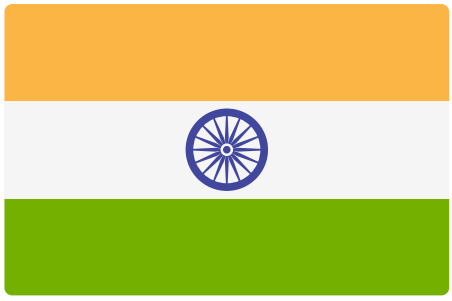
2.7 days
Lost each month investigating non-incidents

38%
Network traffic unclassified

Average cost to rectify a ransomware attack: ¥25,494,443

India

300 respondents from Delhi, Mumbai, Bangalore, Kolkata, Chennai, Hyderabad.



76%
Hit by cyberattack in last year

92%
Running up-to-date protection when hit by attack

44%
Attack victims hit by malicious code

32%
IT time spent on cybersecurity

92%
Wish they had a stronger IT security team

81%
Lack cybersecurity budget

14 hours
On average to discover a threat

12%
Don't know how long the threat was in the environment

39%
Threats discovered in the server

11
Potential security incidents investigated per month

3.1 days
Lost each month investigating non-incidents

53%
Network traffic unclassified

Average cost to rectify a ransomware attack: ₹74,264,070

South Africa

200 respondents

69%
Hit by cyberattack in last year

3/4%
Running up-to-date protection when hit by attack

38%
Attack victims hit by ransomware

27%
IT time spent on cybersecurity

75%
Wish they had a stronger IT security team

65%
Lack cybersecurity budget

16 hours
On average to discover a threat

26%
Don't know how the threat got in

42%
Threats discovered in the server

8
Potential security incidents investigated per month

2.6 days
Lost each month investigating non-incidents

40%
Network traffic unclassified

Average cost to rectify a ransomware attack: R7,911,110

Legend

This section details the exact questions that were posed to participants, as well as the global respondent base number.

Percentage hit by a cyberattack in the last year.
Percentage of respondents that said that they fallen victim to a cyberattack in the last year. Respondents were told to interpret this as a cyberattack that their organization was unable to prevent from entering their network and/or endpoints. (Global base 3,100)

Percentage running up-to-date protection when hit by attack.
Percentage of respondents that said they were running up-to-date cybersecurity protection at the time of the most significant attack that it suffered in the last year. (Global base 2,109)

Percentage of attack victims hit by ransomware.
Percentage of organizations that had fallen victim to one or more cyberattack(s) in the last year and that said they had been hit by ransomware. (Global base 2,109).

Percentage of IT time spent on cybersecurity.
The overall percentage of the IT team's time at work that is spent managing IT security. (Global base 3,100).

Percentage that wish they had a stronger IT security team.
Percentage of respondents that agreed with the statement "I wish my organization had a stronger team in place to properly detect, investigate and respond to security incidents." (Global base 3,100).

Percentage that lack cybersecurity budget.
Percentage of respondents that agreed with the statement "My organization's cybersecurity budget (including people/technology) is below what it needs to be." (Global base 3,100)

Number of hours on average to discover a threat.
For organizations that fell victim to a cyberattack in the last year, the average time that the most significant cyberattack in the last year was in their environment (system/ network) before it was detected. (Global base 2,109).

Percentage/fraction that don't know how the threat got in.
Percentage of respondents from organizations that had fallen victim to one or more cyberattack(s) that didn't know how the most significant attack got into their organization's environment. (Global base 2,109).

Percentage of threats discovered on server/endpoint/mobile.
Where respondents from organizations that had fallen victim to one or more cyberattack(s) in the last year found/discovered the most significant attack. (Global base 2,109).

Number of potential security incidents investigated each month.
The number of potential security incidents that respondents' organizations investigate each month. (Global base 3,100)

Number of potential security incidents investigated each month.
The number of potential security incidents that respondents' organizations investigate each month. (Global base 3,100)

Number of days lost each month to non-incidents.
Time spent investigating potential security incidents investigated each month that turn out to not be infections. (Global base 3,100)

Percentage of network traffic unclassified.
Percentage of the organization's network traffic that is currently unclassified, i.e. falls into a broad application control category such as uncategorized, unknown, unclassified, insufficient data, HTTP, HTTPS, SSL, UDP, TCP, internet, web browsing, etc.

Average cost to rectify a ransomware attack.
Data from a separate 2017 survey, also commissioned by Sophos and conducted by Vanson Bourne, using the same segmentation criteria (not available for Brazil or Colombia). Approximate total cost to rectify the attack including downtime, people time, device cost, network cost, lost opportunities, and ransom paid.

United Kingdom and Worldwide Sales
Tel: +44 (0)8447 671131
Email: sales@sophos.com

North American Sales
Toll Free: 1-866-866-2802
Email: nasales@sophos.com

Australia and New Zealand Sales
Tel: +61 2 9409 9100
Email: sales@sophos.com.au

Asia Sales
Tel: +65 62244168
Email: salesasia@sophos.com

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