



One step ahead

Security lessons learnt

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HP Enterprise Security







npr news arts & life music listen

the two-way
BREAKING NEWS FROM NPR

Experts Marvel At How Cyberthieves Stole \$45 Million



CNBC
FIRST IN BUSINESS WORLDWIDE

REAL-TIME QUOTES
Symbol / Company Go Symbol Lookup Go

SEARCH

HOME NEWS MARKETS EARNINGS INVESTING SMALL BUSINESS VIDEO

HACKING AMERICA: CNBC'S ONGOING COVERAGE OF THE CYBER THREAT

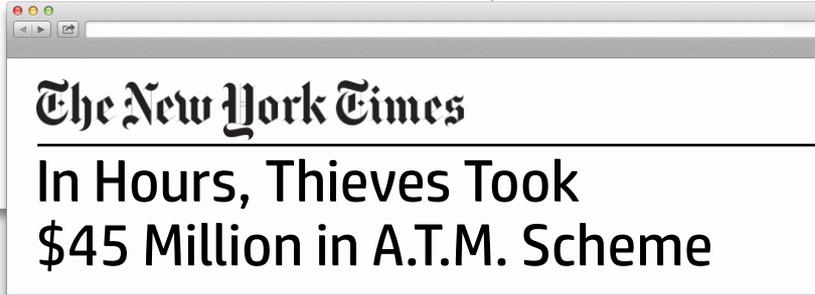
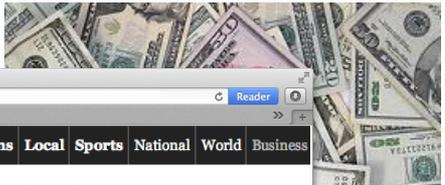
Global Network of Hackers Steal \$45 Million From ATMs



PC
PCMAG.COM

LAPTOPS | DESKTOPS | TABLETS

Bank Hack Results in Stunning \$45 Million ATM Heist



The New York Times

In Hours, Thieves Took \$45 Million in A.T.M. Scheme



The Washington Post Politics Opinions Local Sports National World Business

BUSINESS The Washington Post with Bloomberg

The Circuit: Hackers took \$45 million in ATM heist

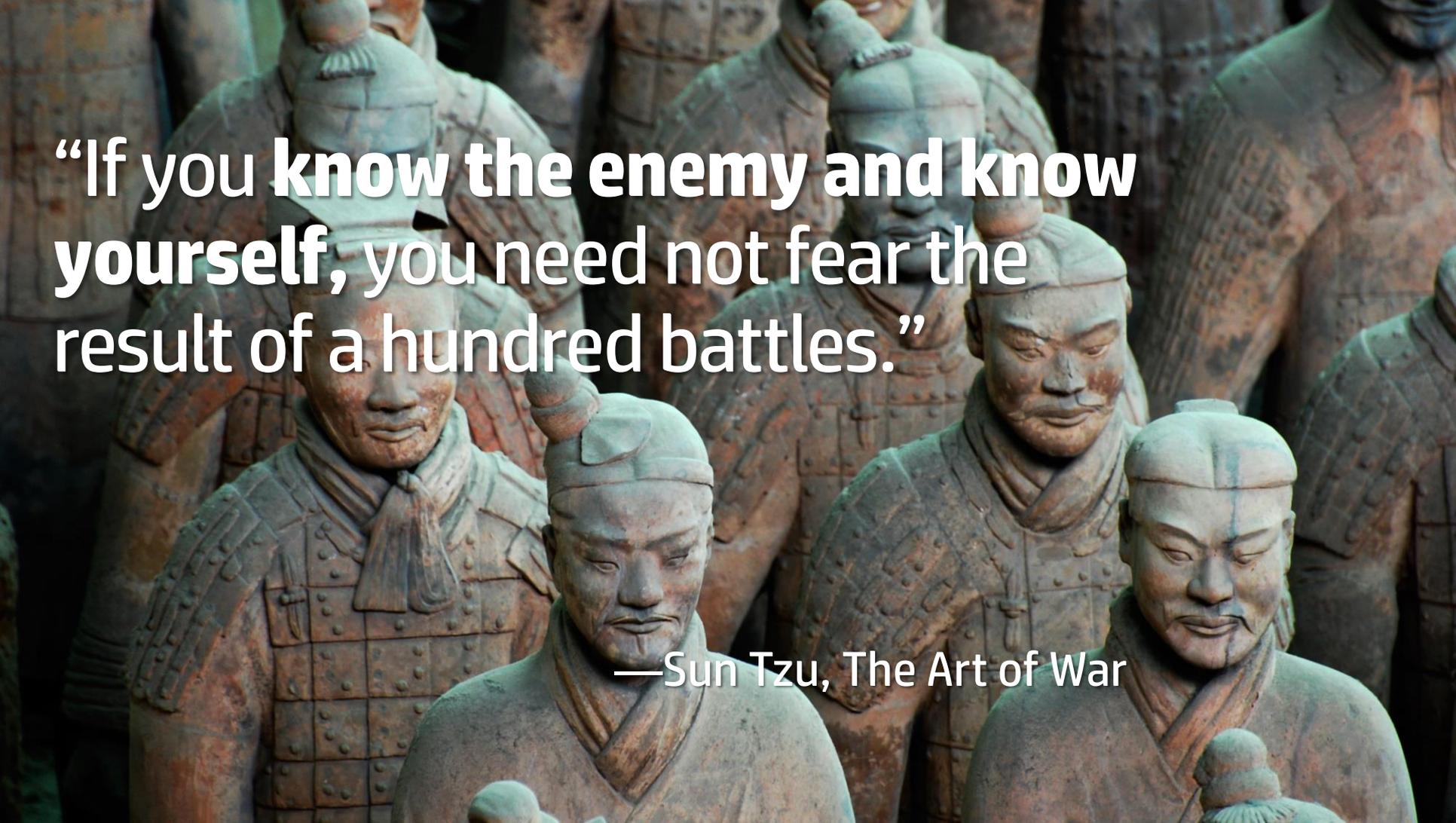


\$45M stolen
...in a matter of hours



but planned
over a number of years...



A close-up photograph of several terracotta warrior statues from the Qin Dynasty. The statues are arranged in rows, showing their detailed armor and distinct facial features. The lighting is dramatic, highlighting the texture of the clay and the intricate details of the armor.

“If you know the enemy and know yourself, you need not fear the result of a hundred battles.”

—Sun Tzu, *The Art of War*

Challenges you are facing

1

Nature and motivation of attacks
(Fame to fortune, market adversary)



Research



Infiltration



Discovery



Capture



Exfiltration

2

Transformation of enterprise IT
(Delivery and consumption changes)



Traditional DC



Private cloud



Managed cloud



Public cloud

Consumption



Virtual desktops



Notebooks



Tablets



Smart phones

3

Regulatory pressures
(Increasing cost and complexity)

Sarbanes-Oxley
Financial and Accounting Disclosure Information

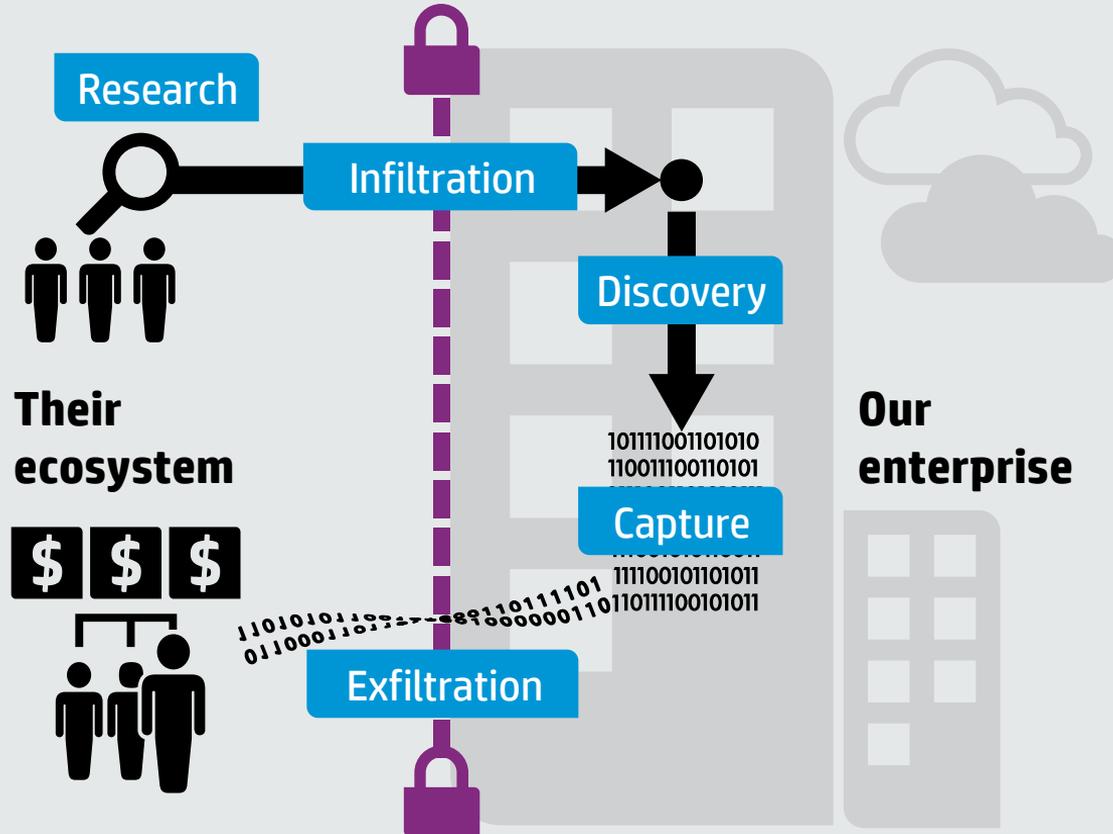


ISO 27001

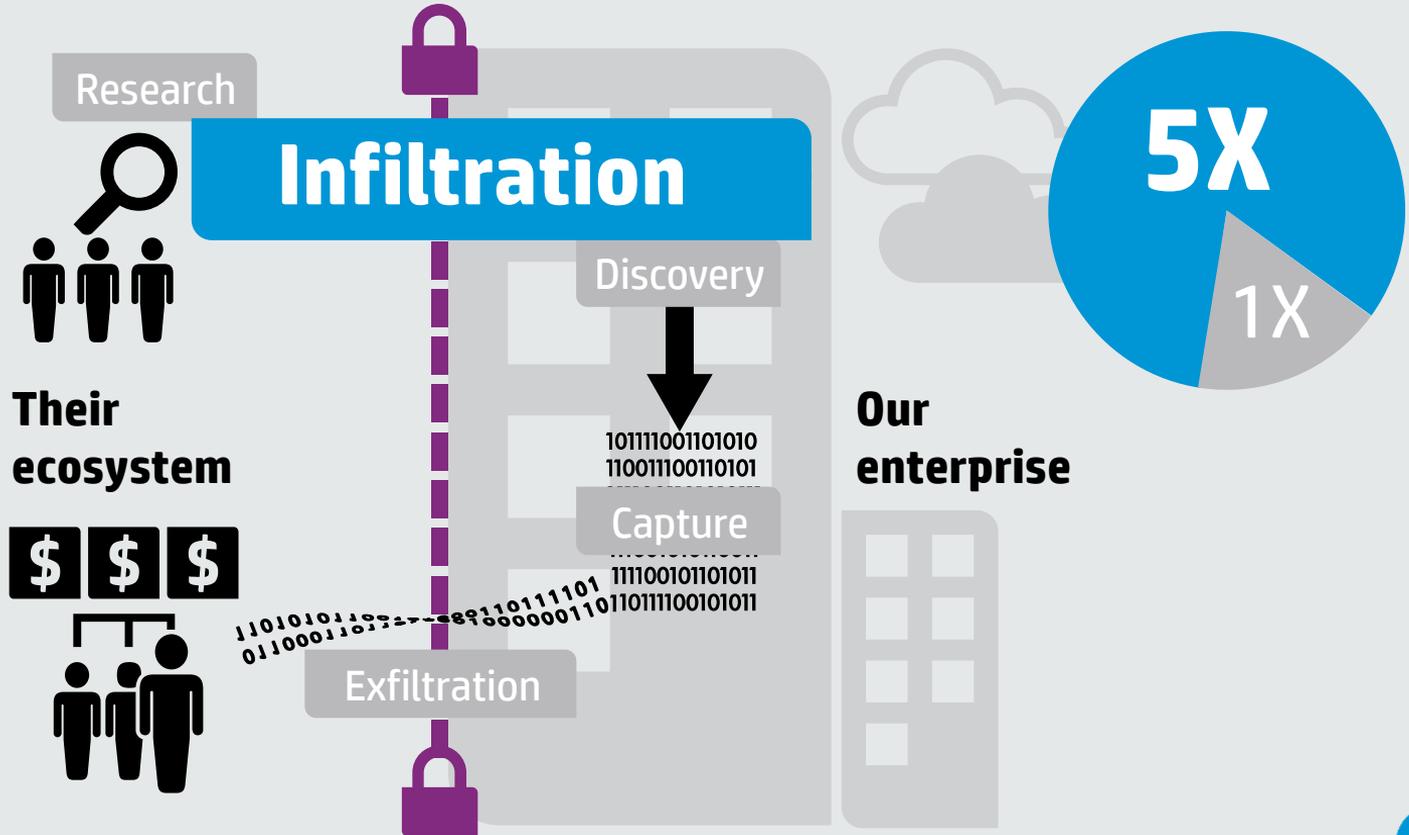
GLBA



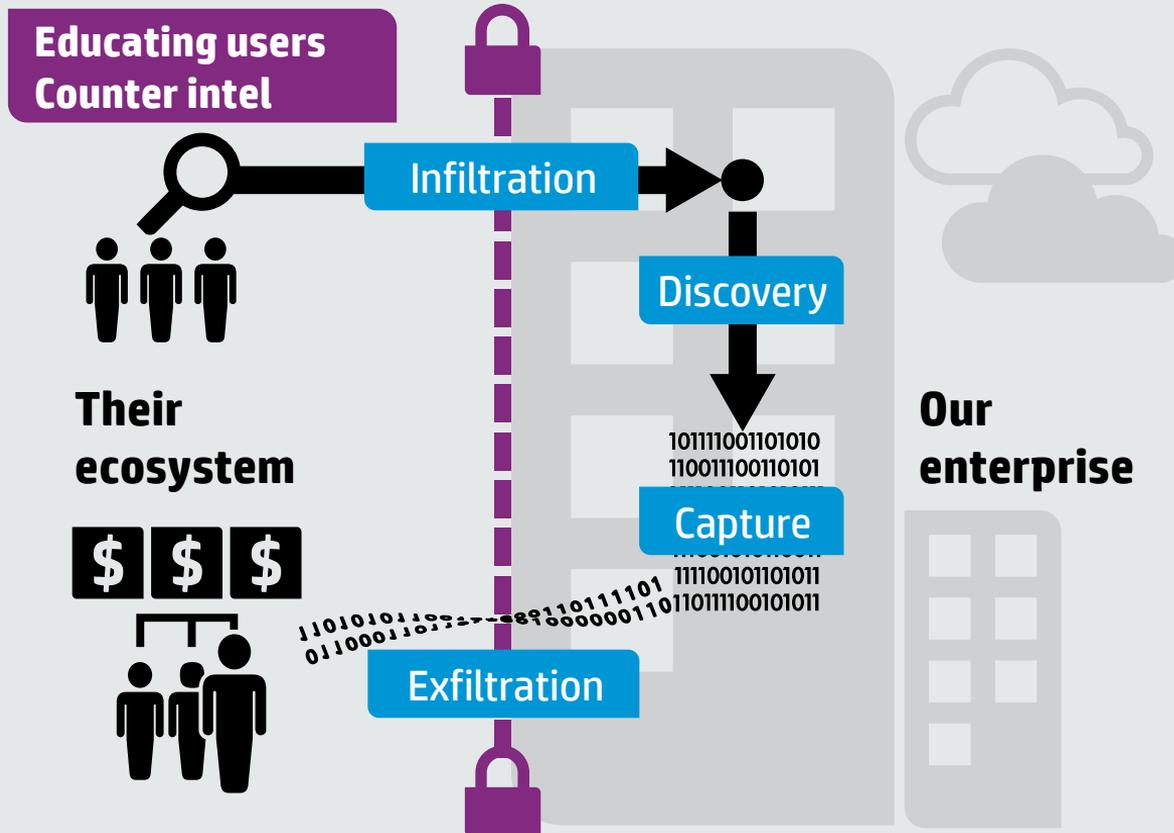
Organize our capability to disrupt the market



Rethink our capability investments

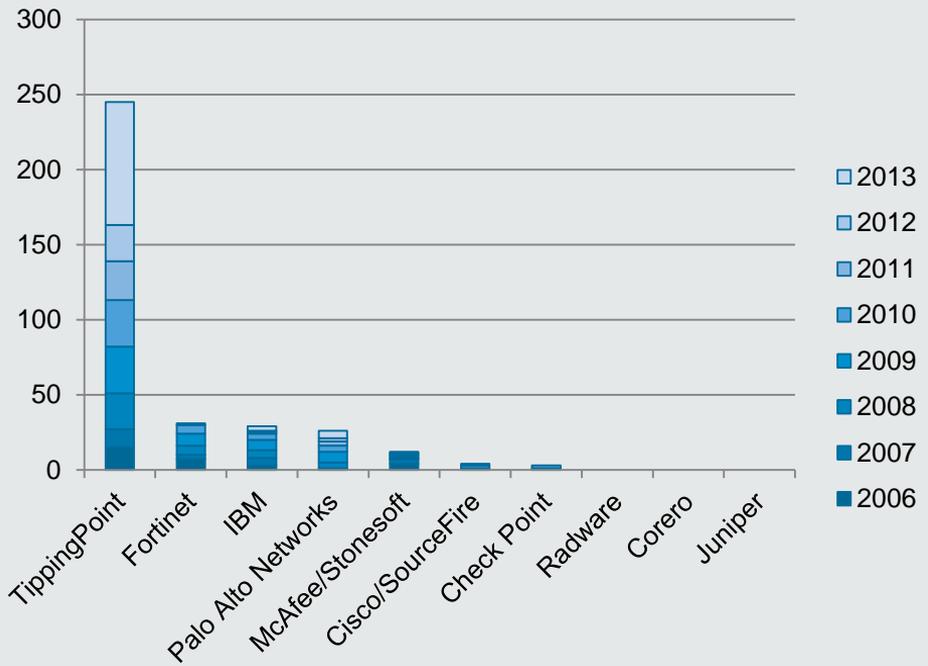


Organize our capability to disrupt the market

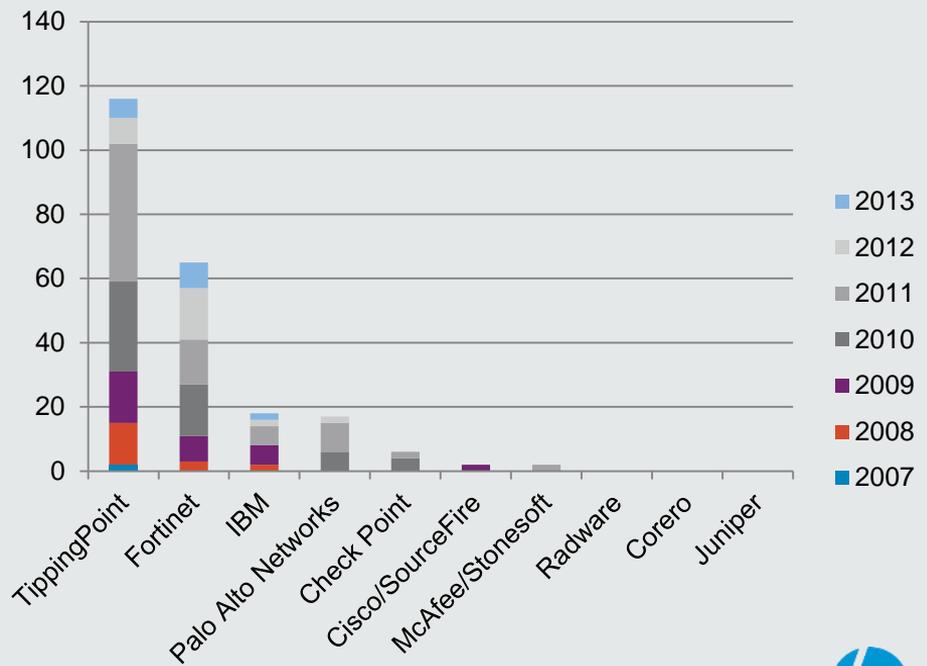


HP Security Research (results known as TippingPoint)

Microsoft Vulnerability Discoveries



Adobe Vulnerability Discoveries

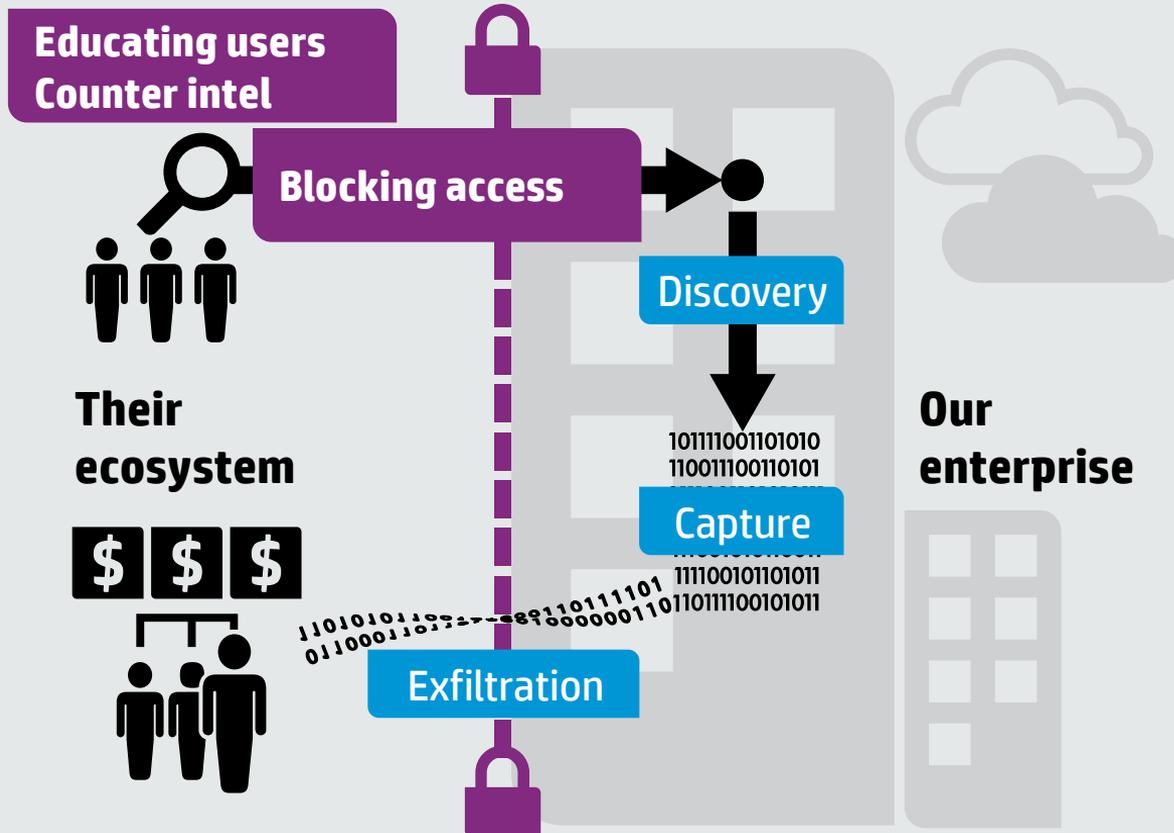


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The stats are compiled from public data <http://www.microsoft.com/technet/security/current.aspx>



Organize our capability to disrupt the market





84%

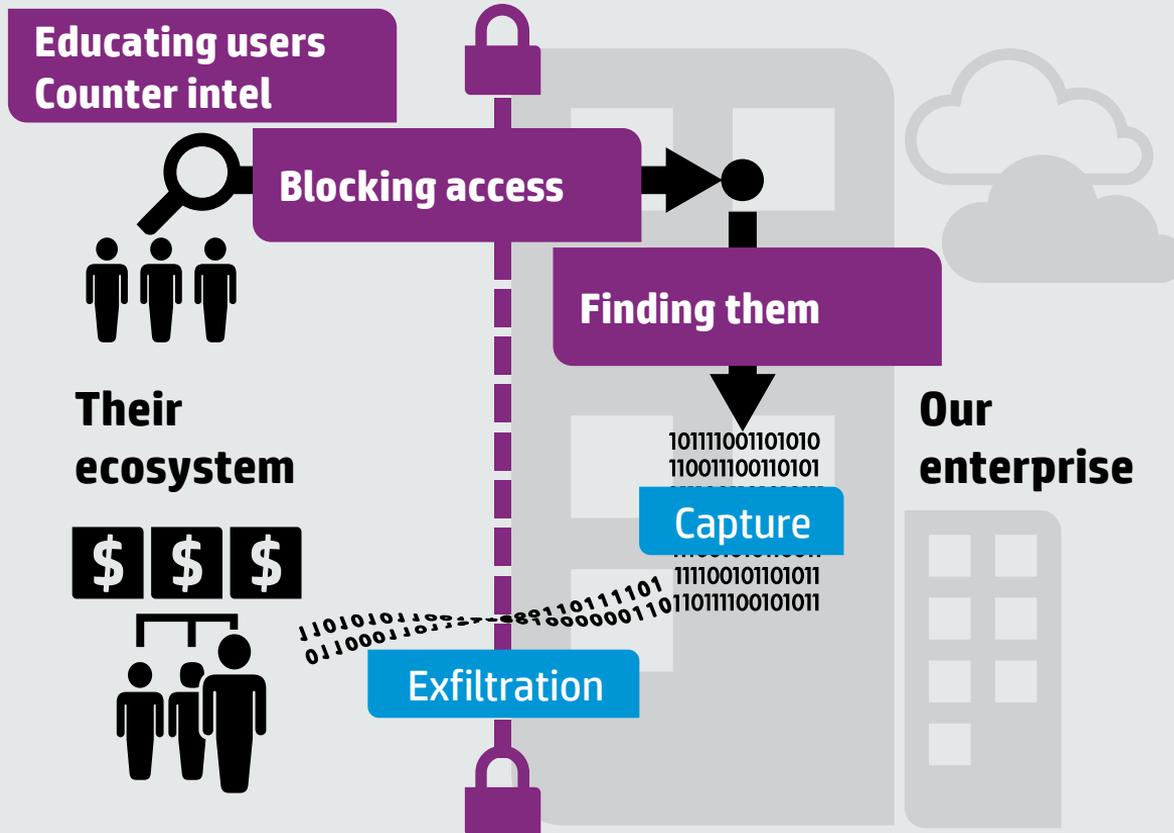
of breaches
occur at the
application layer

9/10

Of 1000
Fortune
applications
are vulnerable



Organize our capability to disrupt the market



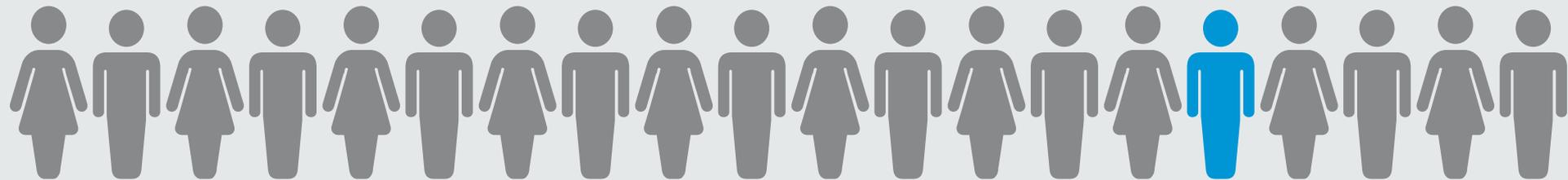
243 days
average time to detect breach

2014 January February March **April** May June July August September October November December **2015**

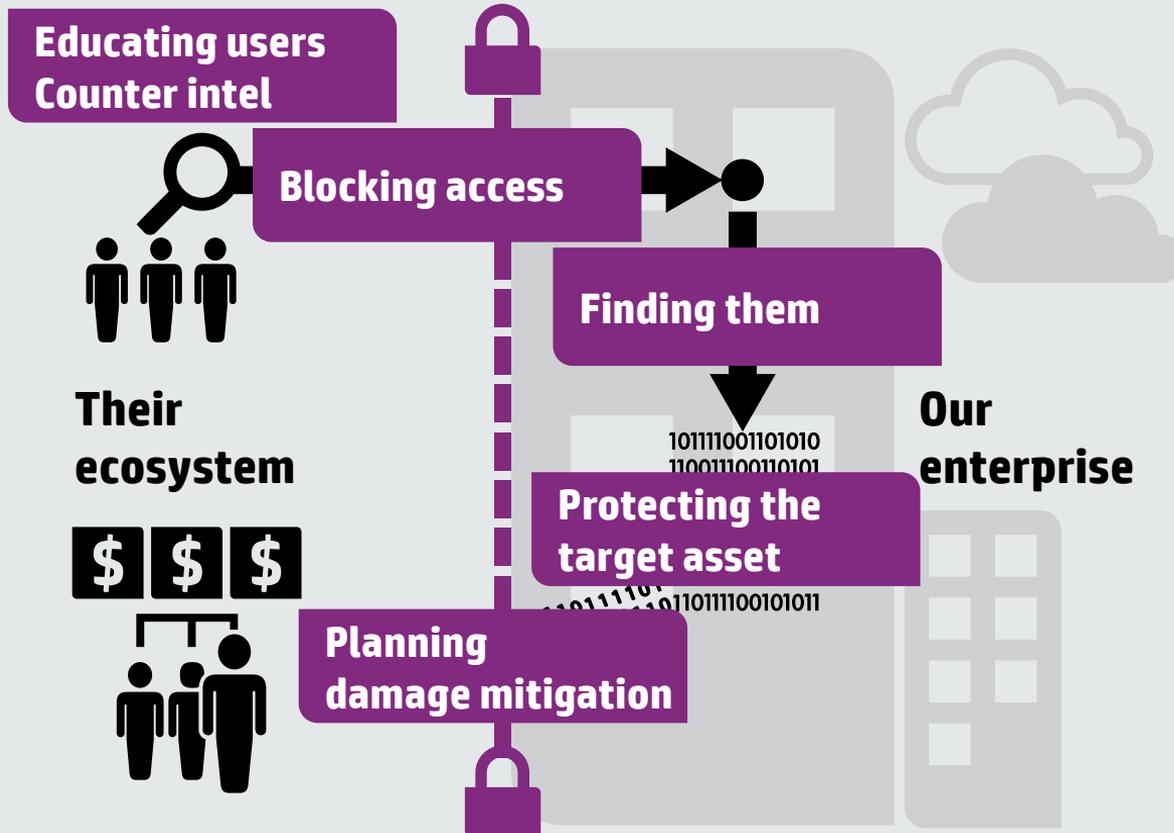


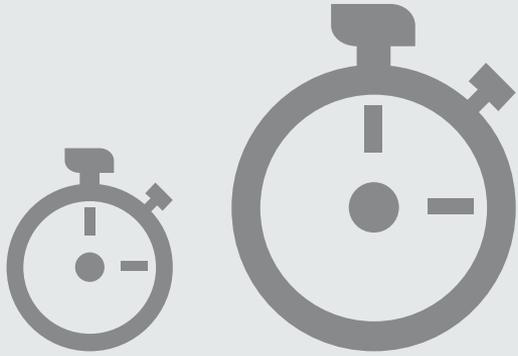
94%

of breaches are
reported by a
3rd party



Organize our capability to disrupt the market





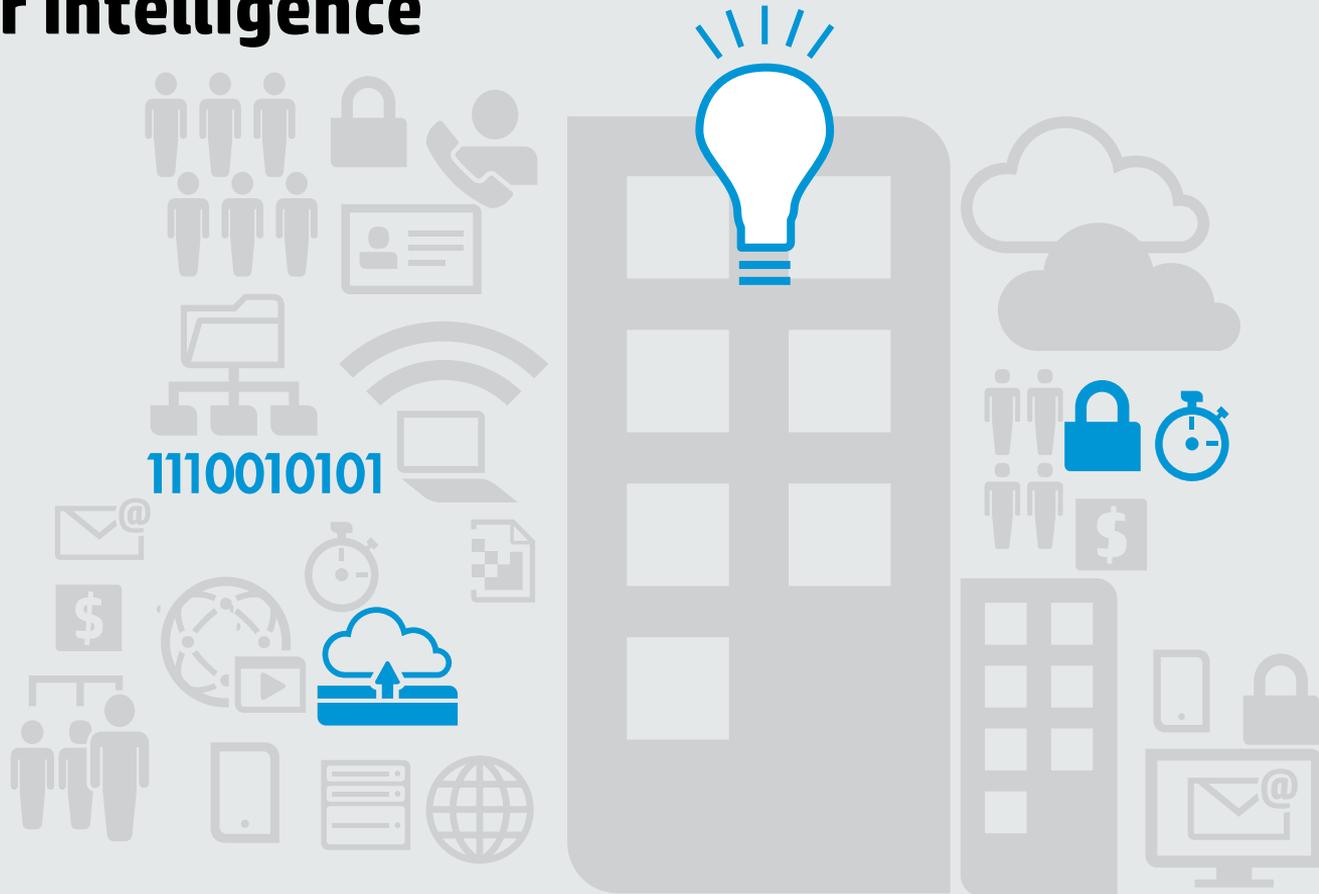
20%

The resolve an attack **has grown** since last year



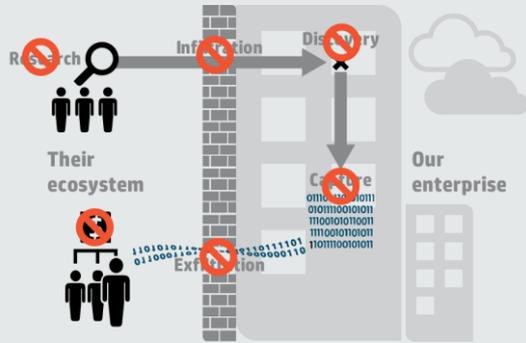
30%

Use our intelligence



HP Security

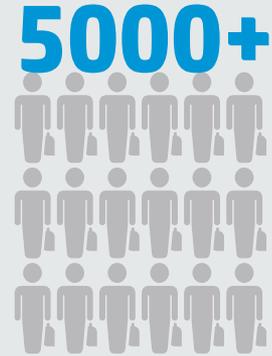
Disrupt the adversary, manage risk, and extend your capabilities



Disrupt the adversary
Security technology



Manage risk
Risk & compliance



Reduce cost & complexity
Advisory & management



Hvala

hnevky@hp.com

HP's industry-leading scale

9 out of 10 Major banks



10 out of 10 Top telecoms



All major branches

US Department of Defense



9 out of 10

Top software companies

5000+



HP Security Professionals

8

Global Security Operations Centers



47m

HP Secured User Accounts

900+



HP managed security customers

2.3 billion

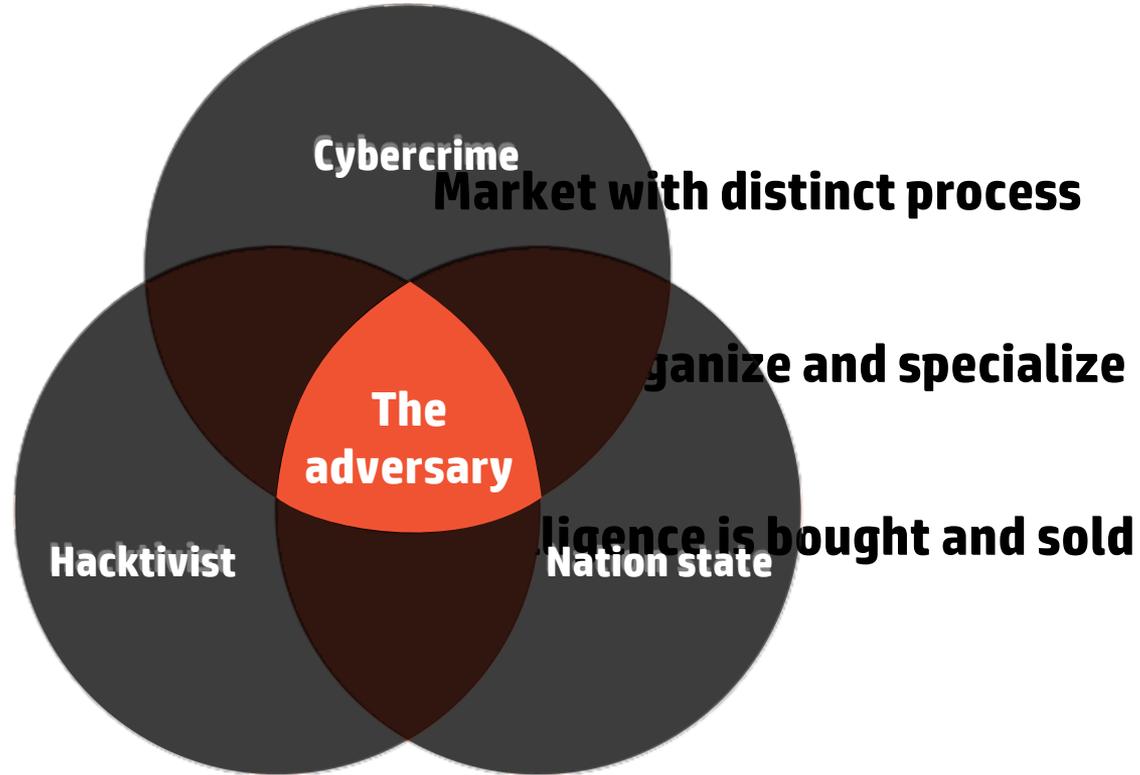
Monthly security events



I stitch technology
together across functions

Our predictability
is well known

Defining the adversary



Industry Leading Scale

8 Global Cyber Centers

- Global cyber centers
- Planned regional centers



Monthly Security Events

2.3bn

HP Managed Security Customers

900+

HP Security Professionals

3000+

HP Secured User Accounts

47m

>35 innovative new security products & services released in the last 12 months