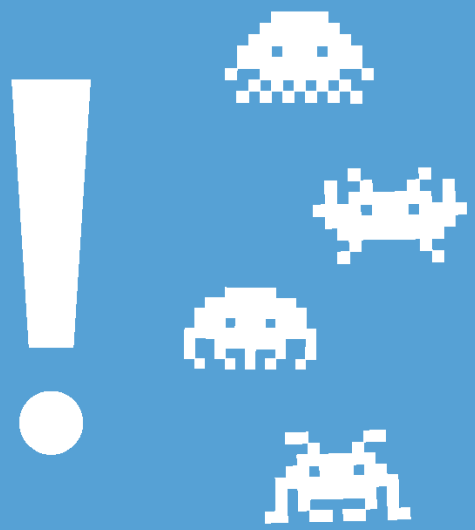
The Register®

Security policy and EU data protection regulation

Don’t waste a good crisis



websense®

Why are we here?

The new EU data protection regime: time for the board to wake up and invest

On our Regcast today

Carl Leonard	Websense
Neil Thacker	Websense
Dale Vile	Freeform Dynamics
Tim Phillips	The Reg

Name the year...

Directive 95/46/EC

Current EU directive - highlights

DIRECTIVE 95/46/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 24 October 1995

on the protection of individuals with regard to the processing of personal data and on the free movement of such data

1. **Notice:** subjects whose data is being collected should be given notice of such collection.
2. **Purpose**: data collected should be used only for stated purpose(s) and for no other purposes.
3. **Consent:** personal data should not be disclosed or shared with third parties without consent from its subject(s).
4. **Security:** once collected, personal data should be kept safe and secure from potential abuse, theft, or loss.
5. **Disclosure:** subjects whose personal data is being collected should be informed as to the party or parties collecting such data.
6. **Access:** subjects should granted access to their personal data and allowed to correct any inaccuracies.
7. **Accountability:** subjects should be able to hold personal data collectors accountable for adhering to all seven of these principles.
8. ***International transfer of data:*** obligation not to transfer data outside of EEA unless that country has an adequate level of protection.

Source: http://ec.europa.eu/justice/policies/privacy/docs/95-46-ce/dir1995-46_part1_en.pdf

New EU Data Protection (#EUDataP)

- Process >5000 data subjects = Data Protection Officer
- Right to be "Erased" requirement
- Data Controller and Data Processor accountable
- Mandatory disclosure of data incidents within 24-72hrs
- Fines 5% of WW revenue or €100m

Ponemon Research – Jul/Aug 2014

Researchers surveyed 4,880 experienced IT security pros from 15 countries and found:

57% of global cybersecurity professionals do not think their organizations are protected from advanced attacks

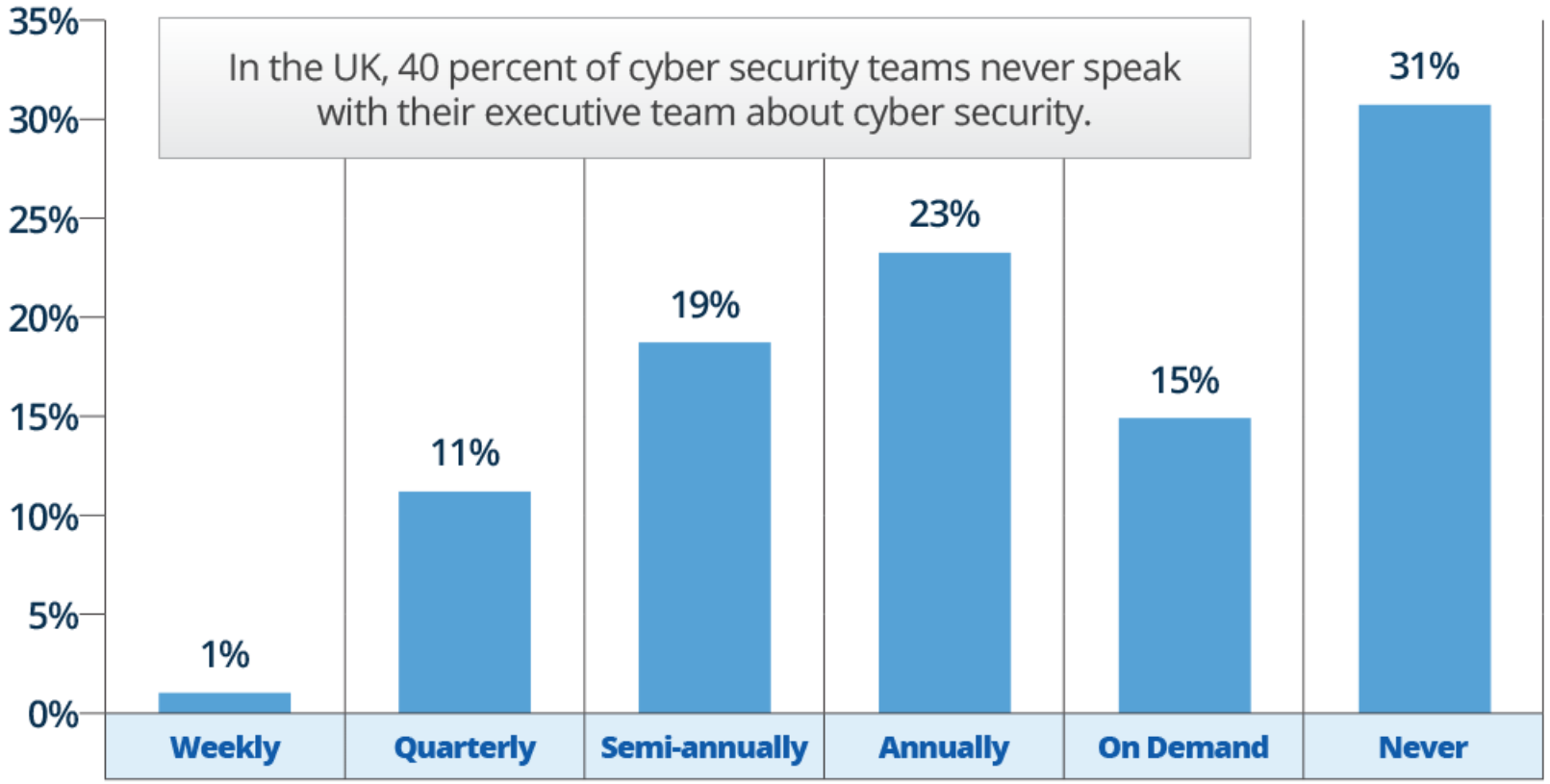
69% believe threats fall through the cracks of their existing security systems

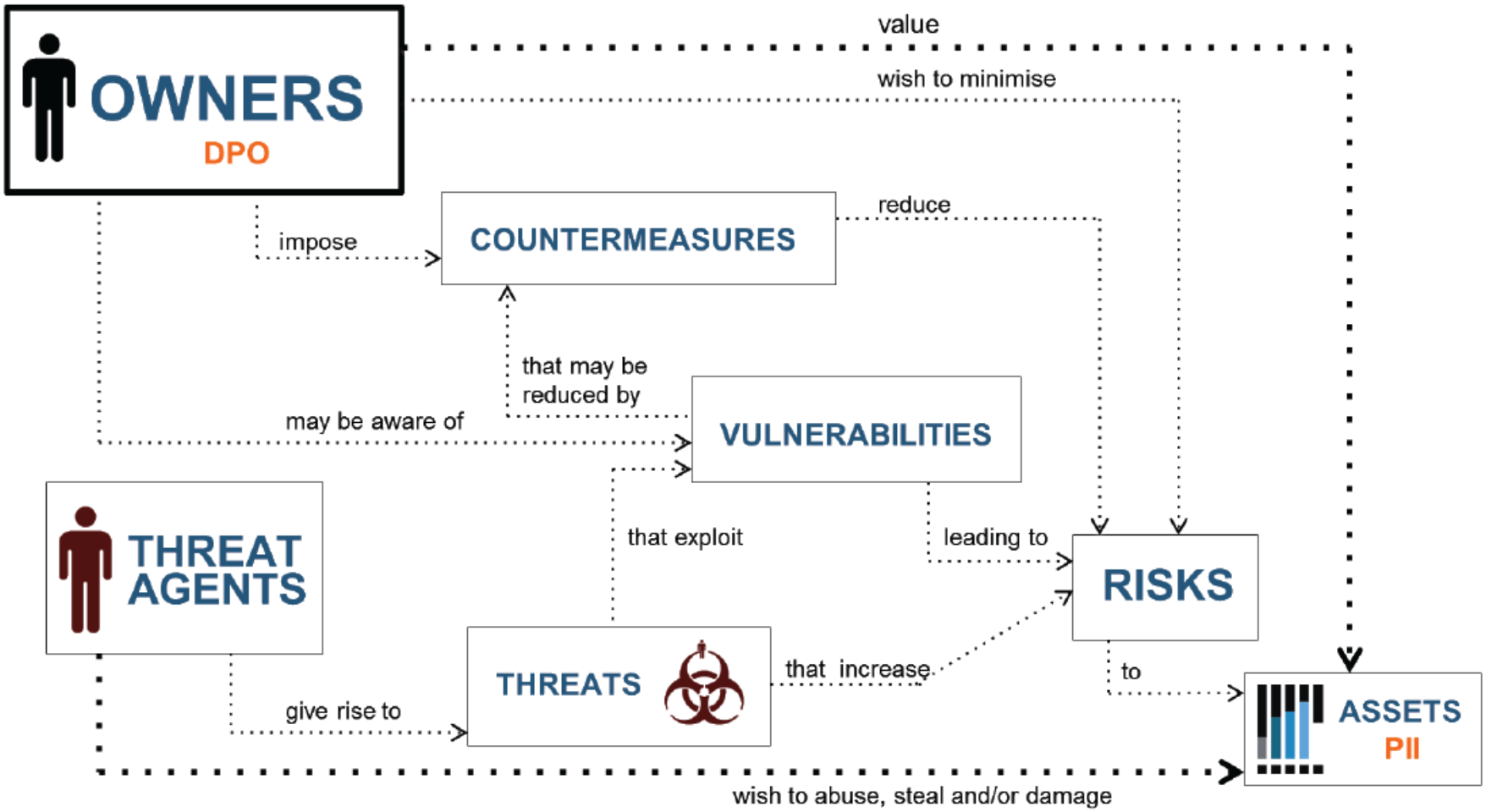
63% doubt they can stop the loss of confidential information

80% say their executive teams do not equate losing confidential data with a potential loss of revenue

Communication between the cyber security team and executives is rare

Figure 1: How often does your cyber security team speak with the executive team about cybersecurity?

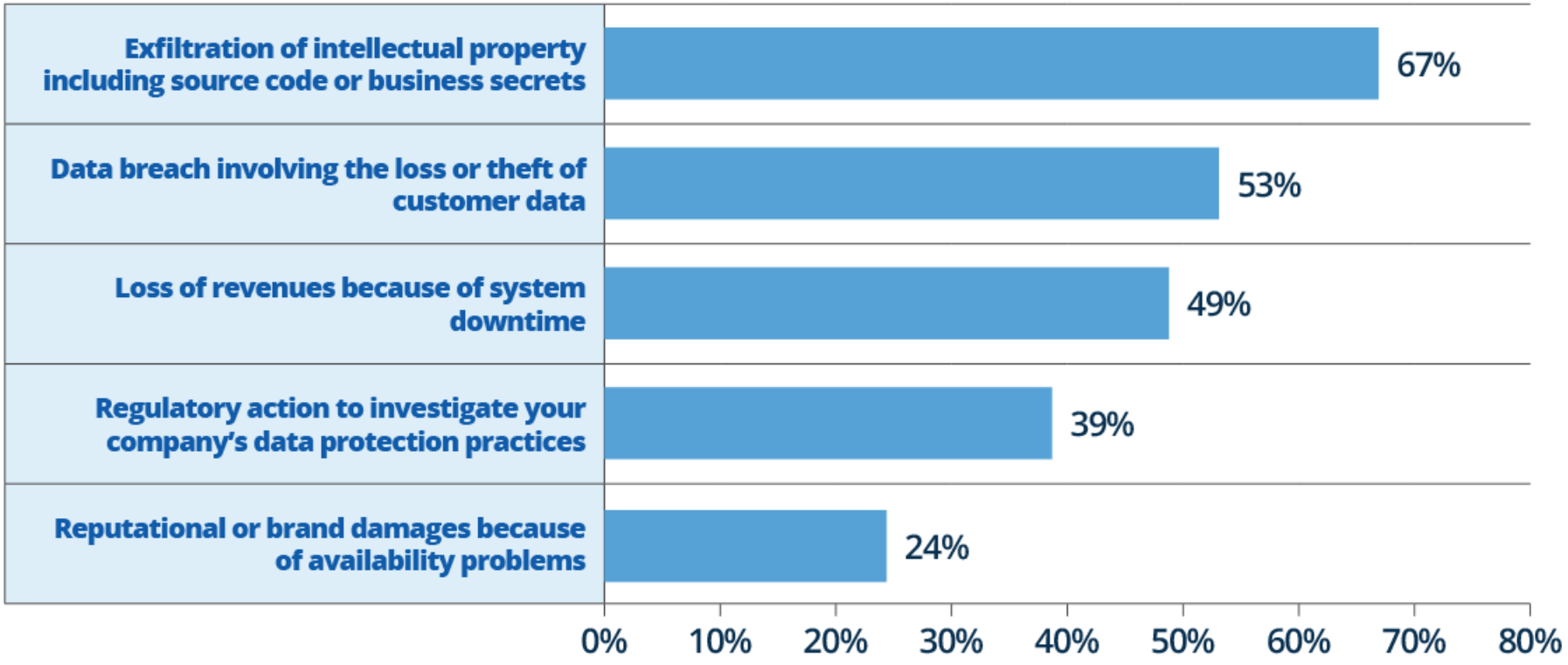



OWNERS
DPO
value
wish to minimise
impose
COUNTERMEASURES
reduce
that may be
reduced by
may be aware of
VULNERABILITIES
THREAT
AGENTS
that exploit
leading to
RISKS
THREATS
that increase
to
ASSETS
PII
give rise to
wish to abuse, steal and/or damage

What is the common connection?

Catalyst

Figure 8: What events would compel your company's executive team to allocate more money to cyber security initiatives?



WEBSENSE® 2014 THREAT REPORT

KEY FINDINGS:

CLASSIFIED

MALICIOUS LINKS:

85% OF MALICIOUS LINKS USED IN WEB OR EMAIL ATTACKS WERE LOCATED ON COMPROMISED LEGITIMATE WEBSITES

→ 3.3% OF ALL SPAM CONTAINED MALICIOUS LINKS AND OTHER MALICIOUS CONTENT

REDIRECTS:

AVG. # OF 4 WEBSITE REDIRECTS PER ATTACK

MAX NUMBER OF WEBSITE REDIRECTS 20 SEEN IN AN ATTACK

EXPLOIT KITS:

MOST POPULAR EXPLOIT KITS AFTER ARREST OF BLACKHOLE'S CREATOR:
MAGNITUDE & NEUTRINO

DROPPER FILES:

30% OF MALWARE SAMPLES USED CUSTOM ENCRYPTION TO STEAL DATA

IN 2013:

1,000,000,000 LURES
1,800,000,000 REDIRECTS
67,000,000 EXPLOIT KITS
64,000,000 DROPPER FILES
1,100,000,000 CALL HOME EVENTS

NOTES:

DOWNLOAD
THE THREAT REPORT TODAY:
WWW.WEBSENSE.COM/2014THREATREPORT

WEBSENSE TECHNOLOGIES BLOCKED OVER
4 BILLION
REAL-TIME SECURITY EVENTS ACROSS THE KILL CHAIN

*ALL DATA FROM 2013

ML + TI = PA

Asset-Centric

Assets
Ownership
Business Context

MACHINE LEARNING

+

Attacker-Centric

Threats
Vectors
Kill-Chain

THREAT INTELLIGENCE

=

Pre-Incident

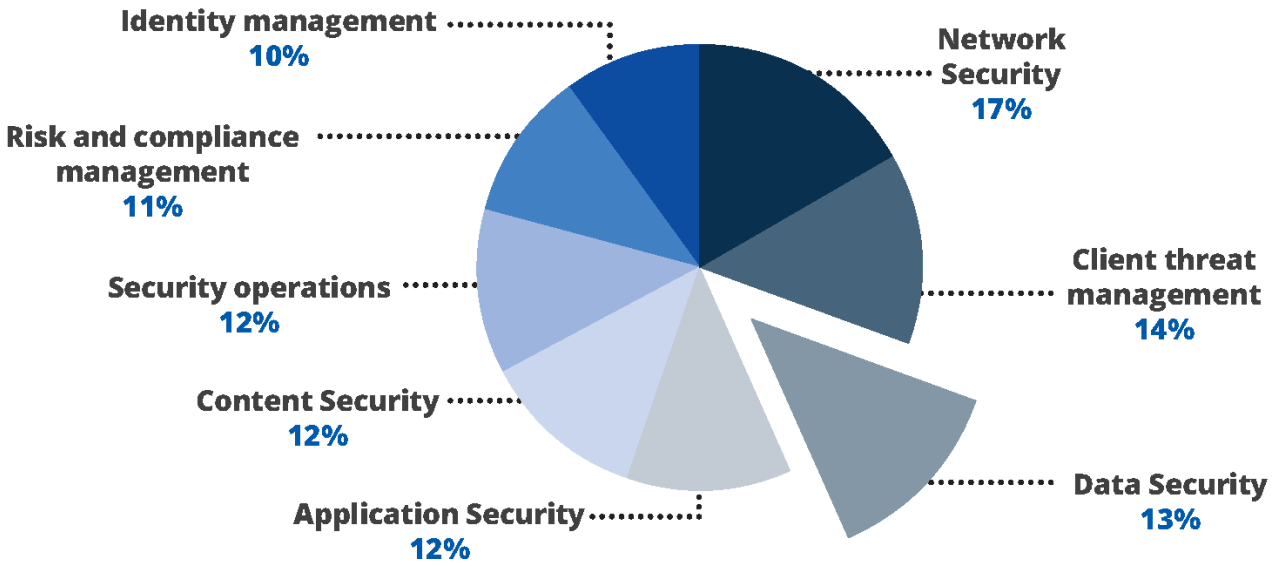
Pattern
Triage
Action

PREDICTIVE ANALYTICS

InfoSec spend - 2014

Data Security Is A Hot Spot For Security Spending

"In 2014, what percentage of your firm's IT security budget will go to the following technology areas?



Forrester Research, Inc.: The Cybercriminal's Prize: Your Customer Data And Competitive Advantage

by Heidi Shey and Kelley Mak, August 6, 2014

	2012	2013	2014	2015	2016	2017	2018	CAGR (%) 2013-2018
Secure Email Gateway	1,665	1,731	1,793	1,843	1,879	1,906	1,933	2.2
Secure Web Gateway	2,028	2,185	2,368	2,544	2,716	2,875	3,034	6.8
Data Loss Prevention	481	555	660	779	909	1,052	1,211	16.9
Grand Total	**61,453**	**65,900**	**71,120**	**76,941**	**83,128**	**89,798**	**97,087**	**8.1**

Further reading

Websense

Ponemon Report 2014
http://reg.cx/2cUn
2015 Security Predictions
http://reg.cx/2cUq
ICO Guide to Data Protection
http://reg.cx/2cUp
Websense 2015 Security Predictions Webcast
http://reg.cx/2d0E

UK DPA

Source: http://ico.org.uk/for_organisations/data_protection/~/media/documents/library/Data_Protection/Practical_application/the_guide_to_data_protection.pdf

Thanks for joining us

An archived version of today's events will be made available on The Register in the near future.