Cyber Risk
Assume you are breached
OVERVIEW

Huntsman®
Defence-Grade Security Platform

How exposed are you to cybercrime? Data analysed from FireEye's trial deployments showed that 97% of organisations were already breached.[1] The exposure varies between businesses and sectors; the authors of Verizon's 2014 Data Breach Investigations Report deemed 2013 as "the year of the retailer breach"[2] – certainly there has been a prevalence of attacks on payment systems in recent reports.

During the update of the paper on this topic in mid 2014, it became increasingly clear that the pattern of attack is variable but growing. There is data to suggest that if you were indeed breached in 2013, as much of the research back then indicated, you are very probably still exposed.

CYBERCRIME IN RECENT YEARS

Looking back, the biggest incidents of 2012 were listed in a month by month timeline by Zac Whittaker on ZDNet[3]. On one hand, it was a failure of organisations to take IT security seriously enough; on the other it was failure of the technology deployed for protection. Cyber attacks against Australian organisations certainly increased, according to the 2012 Cyber Crime and Security Survey Report published by CERT, with more than one fifth of 255 major companies admitting they were targets.[4]

97% of organizations were breached.

FireEye and Mandiant: Cybersecurity's Maginot Line Report 2014

During late 2012 and 2013, organisations in both government and commerce have seen the proof that cybercrime is a serious, well-organised business that is tightly focused on financial, industrial and competitive gain. In 2014 we have seen several charges and direct accusations of cyber attacks made by the US against China and its operatives as well as the ongoing repercussions of the Target breach and other attacks such as at Ebay.

TIME TO GET SERIOUS

Various surveys undertaken show that almost all organisations are targets. What continues to be of serious concern is that these surveys show year-on-year that many organisations are still not protected against even fairly simple intrusion attempts.

Throughout 2013 and 2014, these three areas were tipped to be the most vulnerable in terms of IT security:

1. **Mobile computing,** especially the 'bring your own device' trend.
2. **Cloud computing,** especially the potential for hackers to use the cloud to launch massive denial of service attacks.
3. **Critical Infrastructure,** which is already vulnerable to cyber attack.

Verizon's DBIR 2014 said insider theft was the cause for many data breaches, largely relating to privilege misuse[5]. The motive need not be malicious. Workers expect to have unfettered access to social networking, yet a Cisco survey found that 2 out of 3 US-based IT security decision makers perceived social networking as the biggest risk to their organisation.[6]

BOTTOM LINE BENEFITS

Cyber risks are still increasing, in terms of prevalence, sophistication, the range of targets and the cost or impact of a breach. Behaviour-based technologies provide a layer of intelligence over existing defences, giving modern institutions a fighting chance against the ever-evolving cyber threats of today.

If the experts say that traditional security cannot stop these threats, your best line of defence is finding the activity they trigger quickly, and shutting it down in real time.

The average cost to a company was $3.5 million in US dollars and 5 percent more than what it cost last year

Ponemon Institute 2014 Cost of Data Breach Study

REFERENCES

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