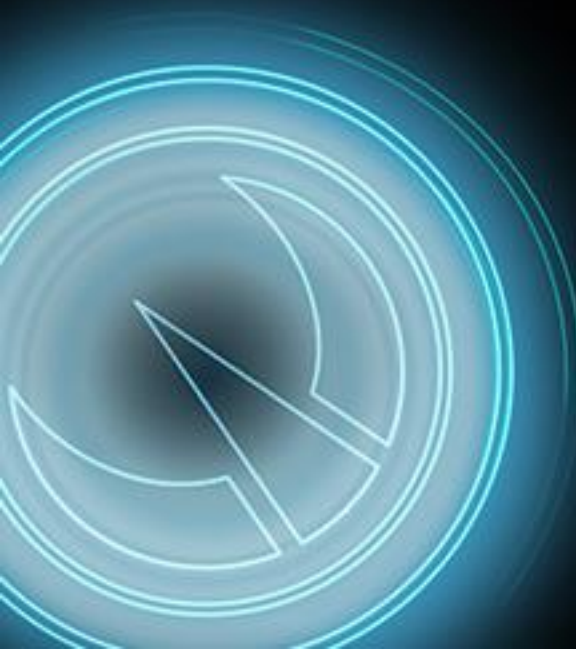


# Australian Privacy Act. Protecting your Data from Data Theft

Gerry Tucker  
Country Manager, ANZ  
11<sup>th</sup> December 2013



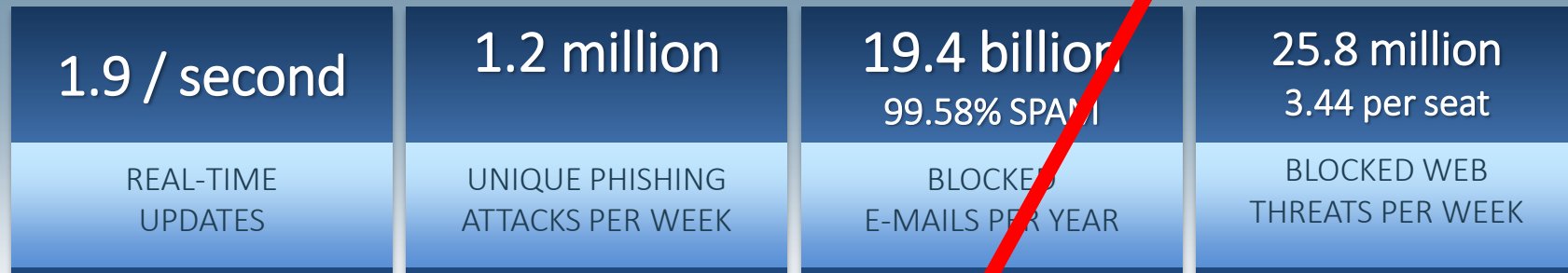
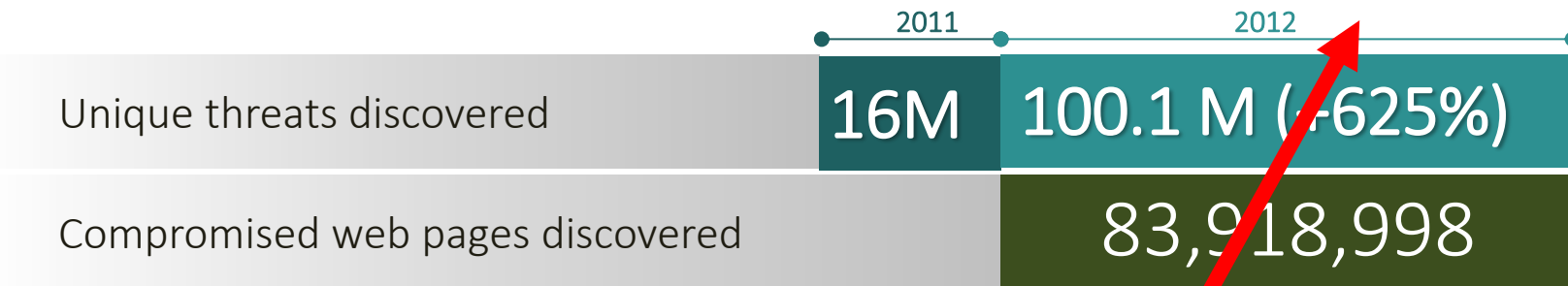
TRITON STOPS MORE THREATS. WE CAN PROVE IT.





- Advanced Attacks
- Data Theft & Loss
- Declining Effectiveness
- Complexity Increasing
- Lack of Forensics
- Increased Risk

# More, more and more threats



## AUSTRALIANIT

news.com.au

The Sydney Morning Herald  
itpro

## Banks seek to hide privacy breaches from customers

ANDREW COLLEY The Australian October 19, 2012 6:32AM

AUSTRALIA'S peak banking industry body says proposed laws forcing banks to report privacy breaches to customers would generate

Tony Burke, acting chief of the Australian Bankers' Association, says the report all privacy breaches would lead to "a payment systems to the detriment of all".

Mr Burke was commenting on proposals for Attorney-General Nicola Roxon floated for privacy

"Attempting to notify individuals potentially a concern, disproportionate to the actual level

The ABA said that customers were already z banking codes. Placing banks at the centre lead to a flurry of needless account cancella

"There would be no action that the cardhold fraud is high, then the bank would have already cancelled the card," he said.

Mr Burke said banks were still comfortable w bodies, and the ABA withheld its position on appropriate for merchant customers.

The Business Council of Australia and indivi comment on the proposal.

Federal Privacy Commissioner Timothy Pilgr breach notices, welcomed Ms Roxon's discu

## FINANCIAL REVIEW

PUBLISHED: 19 MAR 2013 00:05:31 | UPDATED: 19 MAR 2013 04:20:19

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Reprints & permissions

## Australia Post hit by security breach again

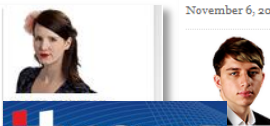


The Australian Federal Police warns that most businesses are vulnerable to computer hackers.

PAUL SMITH

The Australian Bankers Association has defended the strength of IT security processes in place across Australia's banking system following the revelation that Reserve Bank of Australia systems had been compromised by China-based hackers.

However, security experts said the incident highlighted the need for Australian data breach notification laws to be tightened to force organisations to come forward when they were hacked.



Ben Grubb  
Deputy technology editor  
Follow Ben on Twitter Email Ben

itnews  
FOR AUSTRALIAN BUSINESS

## Website glitch exposes Dodo customer details

November 6, 2012

Read later

## Email blunder exposes 83,000 Kiwi quake claimants' details

By Juha Saarinen on Mar 25, 2013 2:40 PM  
Filed under Security



Ian Simpson, chief executive of EQC. Source: EQC.

### Auto-complete accident.

Details of every claimant in the New Zealand Government's Canterbury home repair programme have been disclosed by accident, the country's Earthquake Commission (EQC) said.

A spreadsheet emailed by the commission containing claim numbers and addresses of properties could be set to reveal details of from all 83,000 people who have filed 98,000 claims in the wake of the devastating Christchurch earthquake, the commission's chief executive Ian Simpson told New Zealand media this afternoon.

The Earthquake Commission is New Zealand's government agency in charge of providing relief to residential property owners after natural disasters.

Simpson explained that the privacy breach occurred when an employee sent out a messages to other commission members, and the auto-complete function of the email program added the address of a third-party contractor.

According to Simpson, the contractor has deleted the email.

The privacy breach was acknowledged by the EQC on Friday last week. At that time, the commission said information about some 9700 claims had been sent to a single person by accident.

### ELECTRICITY

TAX INVOICE  
ACCOUNT ENQUIRIES  
24hrs FAULTS & EMERGENCIES  
Your local distributor is Ausgrid  
ACCOUNT NUMBER  
NMI NUMBER  
INVOICE DATE  
INVOICE NUMBER

Page 1 of 4  
13 dodo  
13 1388  
02 Nov 2012

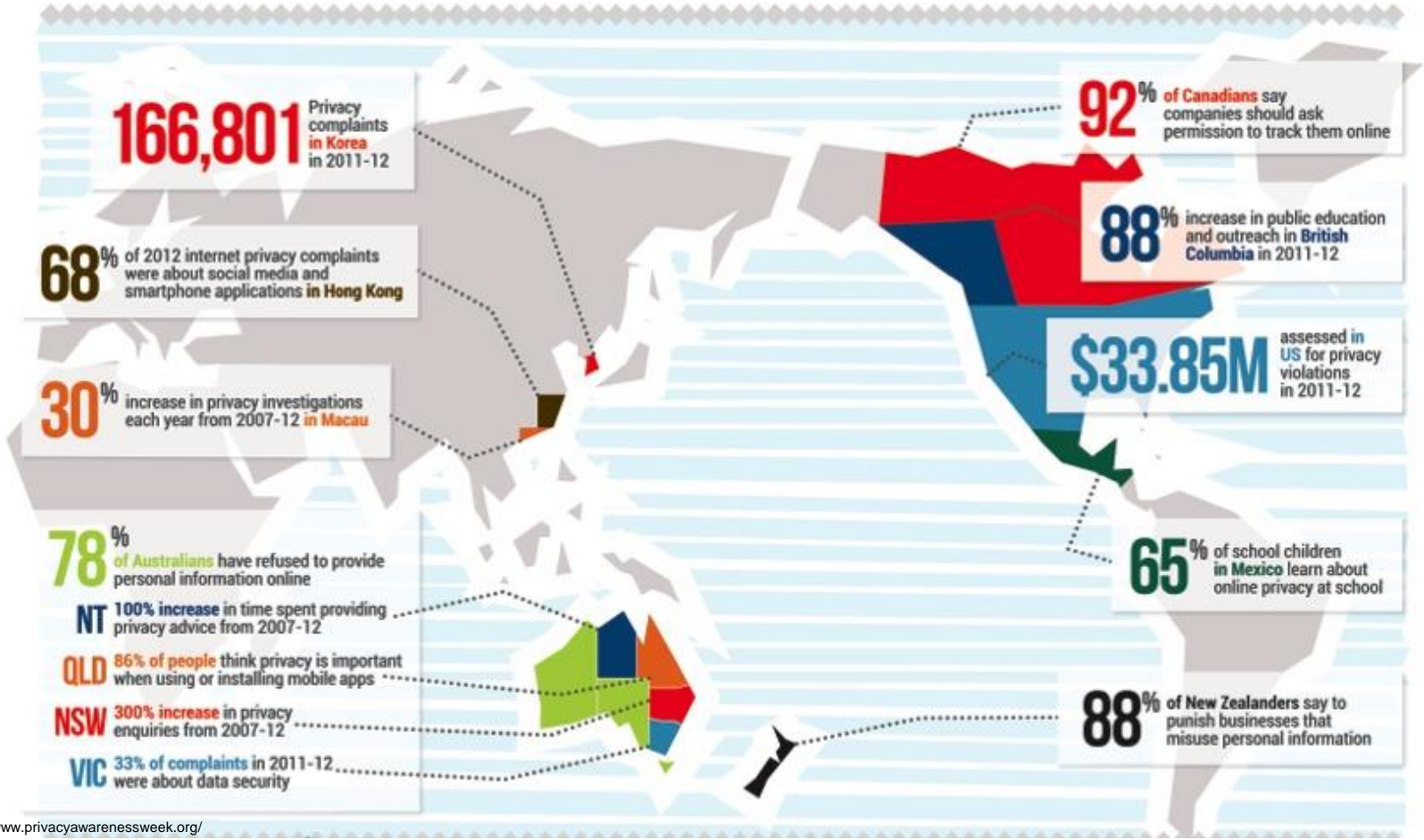
### Account Balance

No amount payable, therefore no action is required of you.

used by the flaw.

& Gas customer statements on its website

# Increasing concerns about privacy - locally and globally **websense®**



# The Threat Landscape has Changed



## Advanced Threats

**THEN**

**NOW**

Signature Based



Zero Day

High Volume



Low Volume

Mass Distribution



Trusted Entry



## Data Theft

**THEN**

**NOW**

Goal: Damage



Goal: Financial gain

Inbound focus was enough



Assume holes in security

Data was easily identifiable



Theft can easily be hidden



## Attack & Malware Forensics

**THEN**

**NOW**

Hands-Off



Hands-on

Reactive



Proactive

Focus on intrusion prevention



Holistic View



# 4 Main Scenarios of Data Leaks

## Unintentional Leaks: By accident/ Ignorance



## Unintentional Leaks: Malicious Intent



## Unintentional Leaks: Poor Business Processes



## Intentional Leaks: Malicious Intent



## Changing Threat Landscape



Advanced Threats



Data Theft



Attack and Malware Forensics

## 7 Stages of Advanced Threats

1

Recon



2

Lure



3

Re-direct



4

Exploit Kit



5

Dropper File



6

Call Home



7

Data Theft



## New Security Requirements



Protection from advanced threats



Containment against data theft



Threat dashboard / Severity alerting



Forensic reporting / SIEM integration



Malware analysis sandboxing & services



Performance & availability of defenses



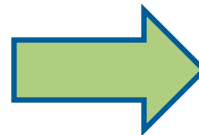
# Context and Content Aware Data Protection

Who	What	Where	How	Action
Human Resources	Source Code	Business Partner	File Transfer	Confirm
Customer Service	Business Plans	Dropbox	Web	Block
Marketing	Personal Data	Business Partner	Instant Messaging	Notify
Finance	M&A Plans	Facebook	Peer-to-Peer	Remove
Accounting	Employee Salary	China	Email	Quarantine
Sales	Financial Report	Spyware Site	Print	Audit
Legal	Customer Records	Removable Media	File Copy	Encryption
Technical Support	Technical Doc	Competitor	Print Screen	Block
Engineering	Competitive Info	Analyst	Copy/Paste	Notify

## SECURITY OF PERSONAL INFORMATION

(APP11)

“Is my organisation taking reasonable steps to protect Personal Information?”



### Data In Motion

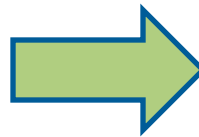


Monitor email, web & endpoints  
Monitor & control flow of PI data outside of organisation

## COLLECTION OF SOLICITED PERSONAL INFORMATION

(APP3)

“What Personal Information is my organisation storing & how is it being used?”



### Data at Rest

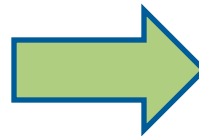


What & where is PI data stored?  
Audit trail enables business units to determine compliance

## USE or DISCLOSURE OF PERSONAL INFORMATION

(APP6)

“Am I using Personal Information for a primary business purpose?”



### Data In Use



Analyse flow of data inside / outside of organisation & determine purpose of use

## PROBLEM:




- Traditional AV & Firewalls not providing protection.
- Increasing volume of incidents, concerns with data theft and Privacy Law compliance
- Workforce increasingly mobile, need end point data protection

## SOLUTION:

- 50% reduction in data loss incidents
- 8 weeks to deploy DLP for Web and Email
- Reduced infrastructure from 16 to 6 appliances



## Gartner



-  2013 **Secure Web Gateway MQ:** Leaders Quadrant
-  2013 Content-Aware **Data Loss Prevention MQ:** Leaders Quadrant
-  **Secure Web Gateway Software**  
2012 Worldwide Market Share Leader

## FORRESTER

-  2012 **Email Content Security Wave:** Leader



## IDC

*Analyze the Future*


-  2013-2014 **IDC MarketScape: WW Messaging Security :** Leader
-  2012 **IDC MarketScape: WW Web Security Products:** Leader

## INFO~TECH


research group

-  2012 **WCF Vendor Landscape:** Champion
-  2012 **DLP Vendor Landscape:** Champion & Trend Setter Award

## Gartner



-  2013 **Secure Email Gateway MQ:** Visionaries Quadrant

## FROST & SULLIVAN



-  2013 **Global Web & Email Security Content Security:** Customer Value Enhancement Award

## THE RADICATI GROUP, INC.

A TECHNOLOGY MARKET RESEARCH FIRM


-  2013 Corporate **Web Security** Market Quadrant: Top Player
-  2013 Content-Aware **Data Loss Prevention** Market Quadrant: Top Player

## FROST & SULLIVAN

-  2012 **Global Web Content Filtering** Competitive Landscape: Sole Market Leader
-  2012 **Global Web Content Filtering** Market Share Leader

## INFONETICS

RESEARCH

-  **Integrated Content Security Gateways**  
CY12 Worldwide Market Share Leader

- Organisations face multiple data security challenges and conflicting priorities across the business
- The Australian Privacy Act (APA) will be enforceable from 12<sup>th</sup> March 2014
- Enforcement of Australian Privacy Act:
  - \$340K (non-corporate entities / individuals)
  - \$1.7M(Corporations)
- In order to meet the APA's Information Security requirements, organisations need to take measures to **prevent, detect and respond to a breach.**
- Unified Content data security strategy is key to meeting Australia's Privacy Act requirements – **are you prepared?**

# QUESTIONS & ANSWERS

