



# CYBER CRIME, **POPI AND ITAD**



IT ASSET LIFECYCLE MANAGEMENT

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# Cybercrime & POPI



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# First Some Statistics

**Three** countries with highest cybercrime victims, 2013 Norton Cybercrime report

**Russia (92%)**

**China (84%)**

**South Africa (80%) – primarily from phishing.....**

**Three** highest costs of cybercrime to consumers, Symantec Internet Security Report (2014)

**USA (\$38B)**

**China (\$37B)**

**Europe (\$13B)**

**Three** top Malware hosting countries, Trustwave Global Security Report

**USA (42%)**

**Russia (13%)**

**Germany (9%)**

**Cybercrime costs South Africa in excess of R5.8 Billion a year (2014),**

(htxt.africa, McAfee's Trevor Coetzee)

# Cyber – Security - Crime

- **Cyber - security** is the body of technologies, processes and practices designed to protect networks, computers, programs and data from attack, damage or unauthorised access.
- **Cyber** – a crime in which a computer is the object of the crime or is used as a tool to commit an offense.

Ref - Technopedia

# Where do u play....

The Orion Router – TOR

*Free software designed to allow someone to remain anonymous while accessing the internet. Used by the good for tracking and software correction and the bad to conceal their operations and sell stolen information using Bitcoins as currency.*

1. Global platforms >>> global corruption – social media, on demand global news, online maps, GPS, banking, terrorism & social media– how easy digital life has become....
2. Anywhere (online) banking and transaction processing, money laundering and illegal / illicit goods exchange
3. Do you know of the free software to steal anything from your cell phones??? (spy stealth, mobile signer, CellTRAKR.....)

*All this digital information, if in any way is networked, can be accessed*

# Anti What?

1. Computer Emergency Readiness Team (CERT) – anticipate and solve national cyber security challenges
  - Collaboration SA, USA, FR, Israel, Germany, India.....
2. Cyber hygiene – personal minimum cyber standards
3. Cyber Risk
4. Cybercrime and Cyber Security Bill SA (white paper)
5. Extortion and data hijacking

# POPI

- ✓ Governs the way Personal info is collected, stored, used, disseminated and deleted;
  - for living individuals and corporates,
  - known as a Data Subject.
- ✓ Consent must be had from a data subject for processing personal information
- ✓ Extra restrictions for sensitive information regarding children and special information (religion, sex, union membership etc.)
- ✓ Non-compliance with POPI may result in civil action for damages, enforcement action by the Regulator or criminal action for an offence committed



# And Then..... do you comply?

- ✓ Having someone else's personal information is onerous and dangerous
- ✓ 2 of 5 SA cases, regarding infringement of personal information is before the courts .....
- ✓ This hard-drive, usb, optical storage, solid state, SAN etc . - Are you absolutely sure, the data and information cannot be recovered or reconstructed with freeware?
- ✓ What happens when you are hacked – where's the encryption – what about that phone you have that's got all that personal info on...
- ✓ Is the data storage device recyclable, what conditions must be met..... Do you meet them, do you sleep well, PI?



# Now..... habits to form

- ✓ Be aware of your online behaviour and posture
- ✓ Cyber hygiene – make the effort to protect your and the company’s data and information
- ✓ Cybercrime and cyber security Bill- acquaint yourself with the legal and statutory contents of frameworks designed to help protect you
- ✓ Extortion: nearly 50% of cyber criminals use phishing to obtain your personal information. Don’t reply to an email you would not normally expect to get!



# Time to ponder....

1. VW – emission suppression software to bypass carbon taxes
2. Target – 75Million credit card records compromised
  - Its not the banking information – it's the identity theft that's happening!
3. Misinformation and the speed of spreading it
4. Ashley Madison and the compromise and its repercussions.....

# Executive Social media usage

In the UK it is [estimated](#) 59% (38 million) of the population of 64.1 million have 'active' social media accounts. Of these, the most popular platforms, as measured by the numbers/percentage who use them are:

1. Facebook 43%
2. Twitter 19%
3. Google+ 12%
4. LinkedIn 9%
5. Pinterest 9%
6. Instagram 8%

In contrast, one [study](#) in the USA (from 2012) suggested that the most popular social media used for engagement by CEOs were as follows:

1. Twitter 50%
2. LinkedIn 47%
3. Facebook 45%
4. Corporate blog 38%
5. Google+ 12%
6. Other 9%

Executive.appointments 22 August 2015

# Cyber hygiene, what is it?

- Steps that computer users take to improve their cyber security posture and better protect themselves while online, or habits to keep your computer free from software bugs (Malware)

As a minimum, what should you do to protect your cyber security posture?

1. Ensure passwords are complex, more than 6 characters long comprised of special characters and capital letters
2. Regularly change your password
3. Ensure that your phone and workstation has the latest patches
4. Ensure your phone has a password to unlock it – containing more than 5 digits
5. Be aware if Wi Fi and Discovery mode on your phone is switched on – a ‘sleeping’ phone does not mean it cannot be accessed via Wi Fi
6. Never agree to download software you had not requested!
7. Do not disclose your password to anyone, especially via an online service

Thank you

