



Confidence in a connected world.



## **Co-Operation against CyberCrime Strasbourg 2<sup>nd</sup> April 2008**

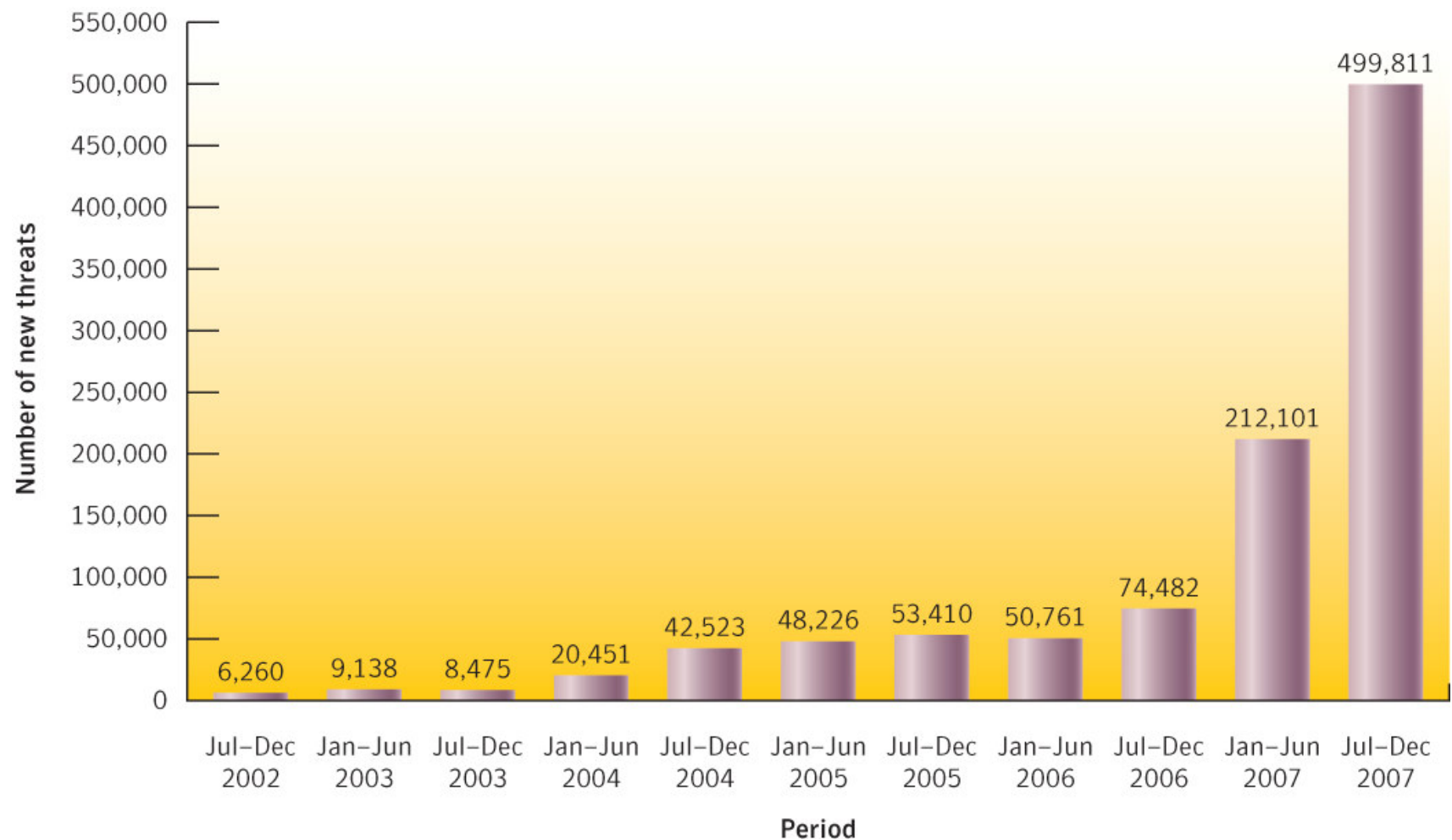
Richard Archdeacon

# Agenda



- 1 Some facts and figures
- 2 What trends are showing
- 3 The CyberCrime business model
- 4 It is more than Technology
- 5 Ideas on the Future

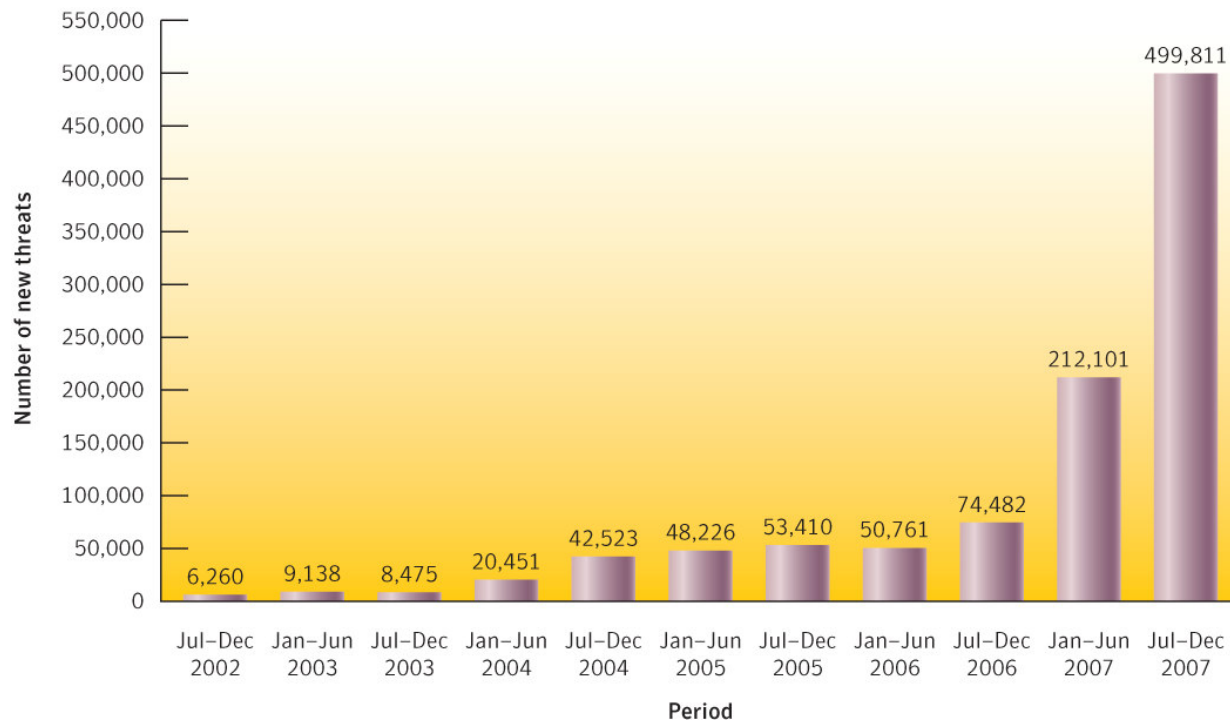
# Threat Specialisation



# CyberCrime Manufacturing Output



- Increased manufacturing production indicates Profitable market/Continued market growth
- Output only possible through increased capital investment and automation
- Greater capability to address SMB market



# Underground Economy



- In order to take advantage of economic efficiencies and entice buyers, sellers will offer reduced prices on larger volumes of goods for sale.

Current Rank	Previous Rank	Goods and Services	Current Percentage	Previous Percentage	Range of Prices
1	2	Bank accounts	22%	21%	\$10-\$1000
2	1	Credit cards	13%	22%	\$0.40-\$20
3	7	Full identities	9%	6%	\$1-\$15
4	N/A	eBay accounts	7%	N/A	\$1-\$8
5	8	Scams	7%	6%	\$2.50/week-\$50/week for hosting, \$25 for design
6	4	Mailers	6%	8%	\$1-\$10
7	5	Email addresses	5%	6%	\$0.83/MB-\$10/MB
8	3	Email passwords	5%	8%	\$4-\$30
9	N/A	Drop (request or offer)	5%	N/A	10%-50% of total drop amount
10	6	Proxies	5%	6%	\$1.50-\$30

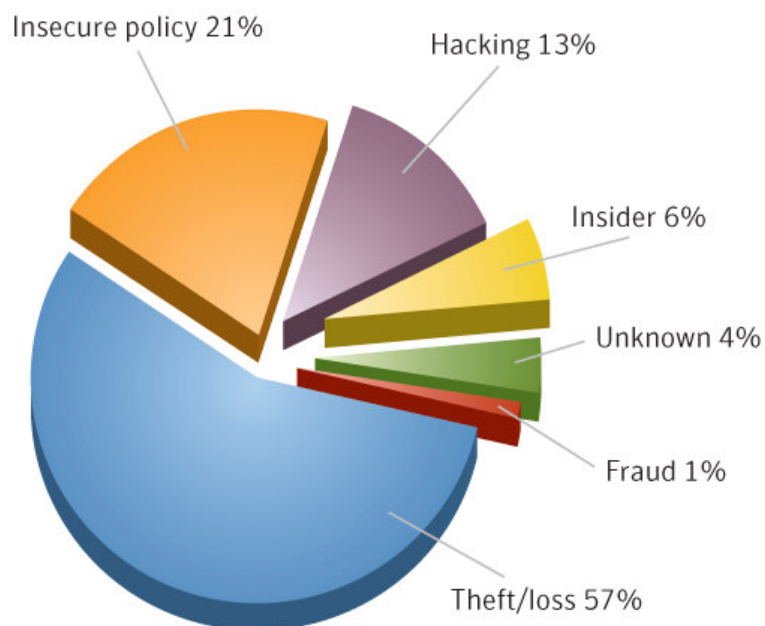
# Today's Cyber-crime Business Model



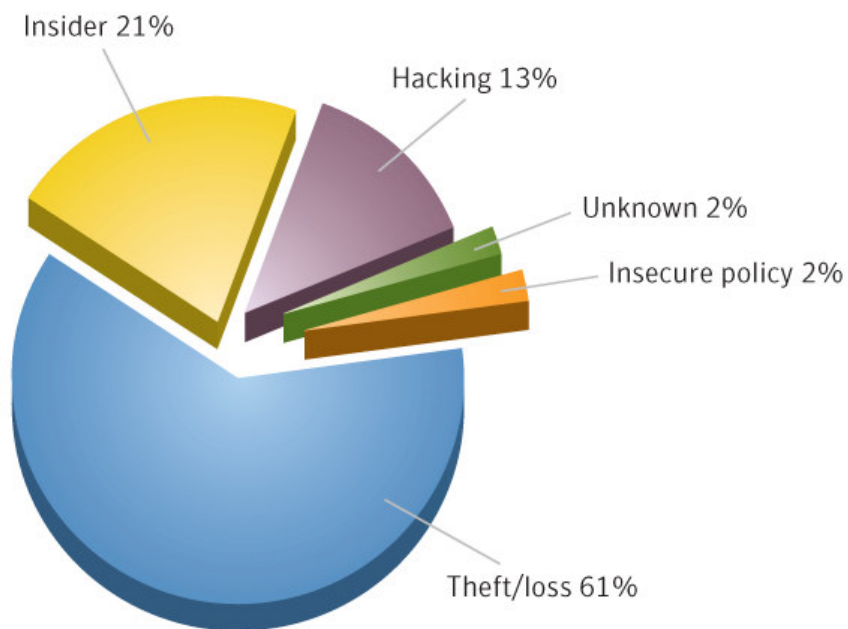
# Data is not only stolen but lost...



- Theft and loss still remain the top cause of data leakage for overall data breaches and identities exposed



Data breaches



Identities exposed

# It is more technology..



- Policy Makers

- Security needs more than just technology
- Intelligence is needed – a central source of Threat reporting is needed
- Standardised approach to incident reporting
- Data Breach Notification – mandatory notification of data loss will increase:
  - Awareness of security amongst data holders
  - Confidence in consumers
- Consumer awareness - continued information required
- Public/private sector co-operation

- ISP's

- Security offerings will increasingly become a differentiator and a revenue opportunity



## Some future trends.



- Whitelisting will become necessary
- Attacks will rise against removable media
- The decline of IRC controlled bot networks – move P2P network

Internet Security Threat Report - 7<sup>th</sup> April 2008

Ponemon Institute - Report on the Cost of a Data Breach – Feb 2008



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# Thank you

[Richard\\_archdeacon@symantec.com](mailto:Richard_archdeacon@symantec.com)