Thursday 24th January 2019

Cyber Threat Intelligence Day

@LondonDSC
The London Digital Security Centre

1. Not-for-profit set up by the Mayors Office for Policing;
2. Our focus is on the Micro/Small Business Community;
3. Now work across the whole of the UK.

4. Partnership with BSI
5. 3 New Certification Schemes
   • Cyber Security Companies
   • SMEs (non-Cyber)
   • IoT Devices (DCMS)
1. THE SCALE OF THE PROBLEM

- **4.7 Million** incidents of cyber crime in 2017
- **23%** involved loss of money or goods
- **14%** gets reported to the police
- **10x** more likely to be a victim of cyber crime than theft from a person

- **£192 Billion** Total cost to the UK economy from cyber crime
- **99%** of all businesses rely on digital communication
- **98%** hold personal data
- **56%** hold personal data
- **27%** have cyber security policies
- **5.7 Million** SMEs in the UK
- **59%** have sought information or advice
- **14%** gets reported to the police
- **10x** more likely to be a victim of cyber crime than theft from a person

- **£3,100** Small
- **£16,100** Medium
- **£22,000** Large

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Protecting London’s Businesses

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Who are Cyber Criminals?

- Most cyber criminals are not sophisticated
- They are generally opportunists who don’t see it as a crime
- Europol estimates the average age is 17

The 6 Types of Cyber Criminal

1. Mules
2. Professionals
3. Nation State Actors
4. Activists
5. Getaways
6. Insiders

WHAT ARE THEY AFTER?

Identity Details
Intellectual Property
Financial Information
Business Information

BAE SYSTEMS

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What are the challenges facing law enforcement?

- Skills and Capability
- Volume of Incidents
- A Truly Global Problem
- Lack of Understanding
- Lack of Joined-Up Working
- Huge Underreporting
- ‘Victimless Crime’?
- Seen as a Business Issue...
...the ‘deterrent effect’

Matthew Hanley: 12 MONTHS
Connor Allsopp: 8 MONTHS

£77 Million

...convicted in November 2018
…building our intelligence capability…

- Responses to Incidents
  - ROUTINE
  - ROUTINE

- Arrests
  - Targeted Patrol
  - Stop and Account
  - Stop and Search

- Open Source
- Neighbourhood Watch
- ANPR
- Responses to Incidents
- Suspects
- CCTV
- Crime Stoppers
- Targeted Patrol
- International
- Stop and Search
- PNC

- Community Intelligence
- Automated Billing Systems
- Financial Intelligence
- Communications Data
- Security Services
- Partner Agencies
- Other Forces
- Prison Intelligence
- Special Branch
- Forensics
- Victims

- Other Law Enforcement
- CHIS
- Police Officers
- PND
- Open Source

- SOURCES
  - VOLUNTEERED
  - TASKED
Setting Strategic Priorities...
The National Intelligence Model

LEVEL 3  National/International
LEVEL 2  Force/Regional
LEVEL 1  Local

- Strategic Assessment
- Tactical Assessment
- Problem Profile
- Target Profile

Strategic and Tactical T & CG

Control Strategy

Operational Review

Information Sources

Intelligence/Information Recording

Research and Development

Intelligence Products

Tactical Resolution

Knowledge

Systems

Assets

Sources

People
Where is the next threat coming from?...

1. More huge data breaches
2. Ransomware in the Cloud
3. Weaponisation of Artificial Intelligence
4. Cyber/Physical Hacks
5. Mining Crypto-Currencies
6. Combined Attacks
7. Apathy

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Where to get help…

National Centre for Cyber Crime
Pass cases to NFIB, part of City of London Police
Online and Phone reporting plus regular campaigns

**0300 123 2040**
@actionfraud
www.actionfraud.police.uk

Messaging consistent with NCSC
Police owned and led
Focus on SMEs

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Questions?

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