

# **Cyber Security: A Top Priority for Boards**

With Sarah Hipkin, Director, Data Protection, Mazars

Morning and Evening Briefings Series: Kindly sponsored by Mazars



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Know the enemy  
and know yourself

Sun Tzu\_



# Know your enemy

309		
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564		
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38		
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602	Sep-11-2019	
159	Nov-13-2019	
858	May-29-2020	18:00:00
832	Apr-07-2020	17:18:00
25	Apr-24-2019	11:10:30
0	Sep-14-2020	20:06:86
5	Mar-18-2020	16:58:00
	Apr-16-2019	11:25:31
	Jun-20-2019	12:28:70
	Jan-21-2019	10:01:93
	Aug-21-2020	19:42:55
	Jan-27-2019	10:07:43
	Aug-14-2020	19:24:36
	Sep-19-2020	20:00:66
	Sep-25-2020	20:06:00
	Dec-02-2019	15:12:83
	Dec-11-2019	15:21:27
	Dec-28-2019	14:38:20
	Dec-28-2020	20:28:95
	Dec-28-2020	16:16:48



Type: Cyber criminals

Motivation:  
obtain financial returns

Assets targeted:  
credit card and financial account data,  
personal information and credentials

Attack types:  
malware, phishing, social engineering,  
etc....

# Global cyber attacks

New threats COVID-19 email phishing attacks:

coronavirus tracker app\_

fake offers of tax rebates to bogus medicines\_

New malicious websites linked to COVID phishing  
scams, in January, 1,772 new URLs registered  
worldwide. In March 62,771\_





# Global cyber attacks

use of corporate email accounts\_

secrets of millions revealed\_

123456 popular password\_

ASHLEY MADISON

Life is short. Have an affair

SEE YOUR MATCHES



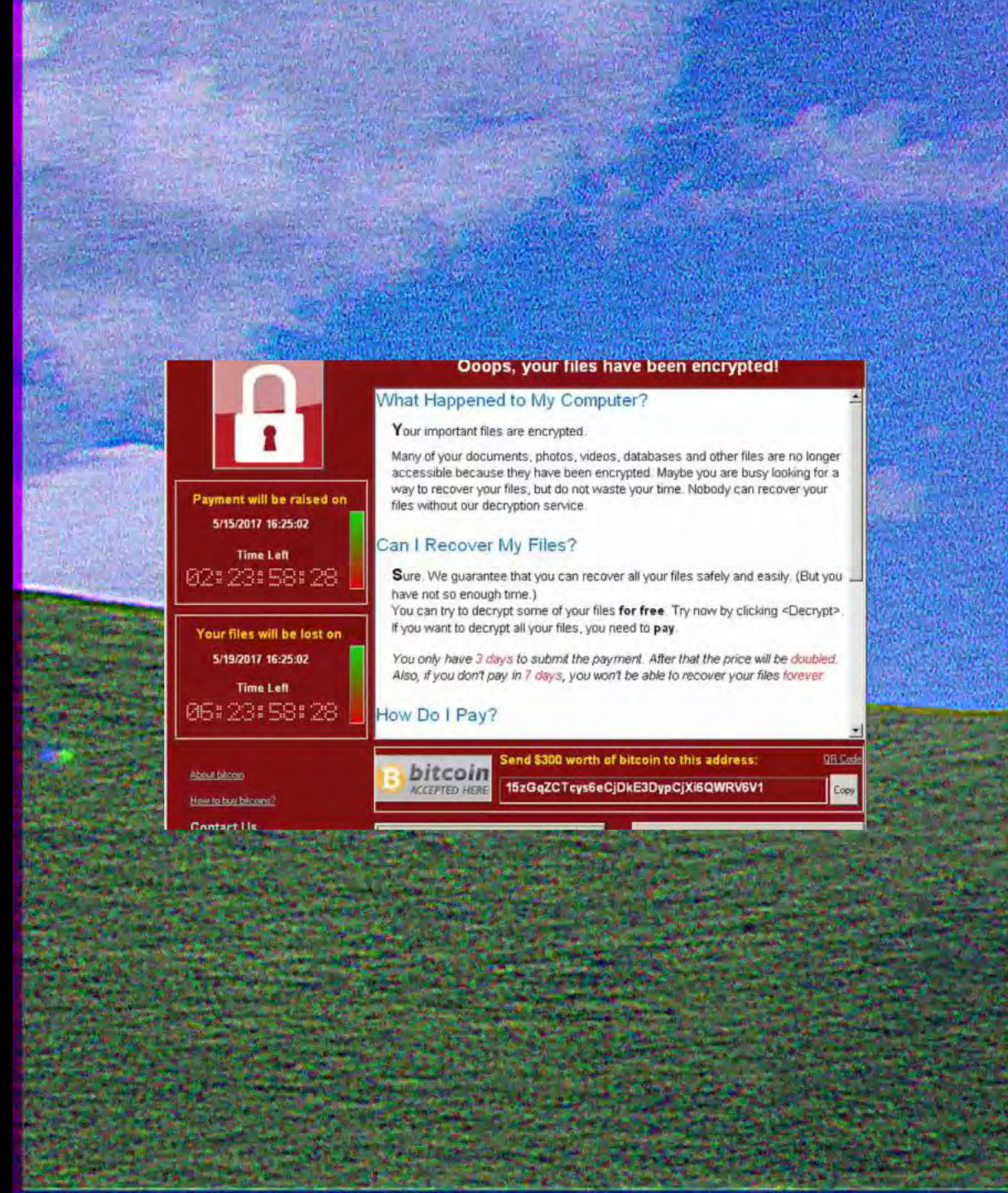


# Global cyber attacks

Spread to 300 000 computers  
in 150 countries\_

Impacted UK NHS business operations\_

Affected HSE systems availability\_





# Global cost of cyber crime

The global cost of cybercrime  
is estimated at about\_

**€530 Billion**



# Ireland cyber crime / data breaches

National Cyber Security Strategy  
61% Irish organisations experienced  
cyber fraud in last 2 years,  
average €3.1m cost\_

CBI 90% of security incidents reported in 2019 result of phishing\_

DPC 6,247 data breach notifications  
took place in 2019\_

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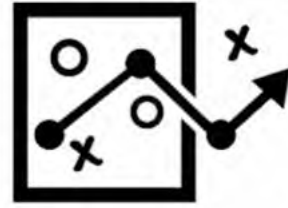




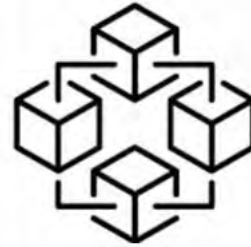
# Cyber organisational challenges



1 human factor



2 strategy



3 structure



4 risk



5 skills



# Know yourself



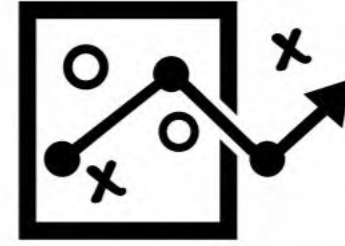
## 1 human factor

Put people at the heart of structures and policies

Deliver practical cyber risk-based training and awareness e.g. phishing:

- i. Ignore unexpected file-sharing requests;
- ii. Disregard any embedded links, especially those requesting user credentials;
- iii. Only open attachments which were expected; and
- iv. “think before you click”\_

# Know yourself



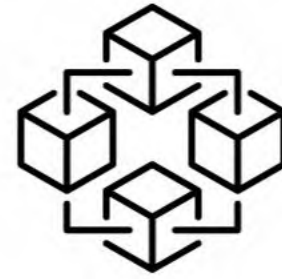
## 2 strategy

Align business and cyber priority objectives

Prioritise efforts based on what need to protect



Know yourself



## 3 structure

Assign cyber security oversight role  
and ensure board reporting

# Know yourself

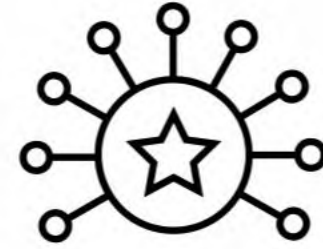


## 4 risk

Review defensive measures against suitable frameworks/standards e.g. ISO27k PCI-DSS\_



# Know yourself



## 5 skills

Baseline current cyber skills

Develop Threat Intelligence

Engage in information-sharing exchanges

Run cyber attack simulations to test organisations readiness to attack

# Cyber security benefits

Corporate decision making improved  
through visible risk exposure

Commercial advantage helps winning  
new business

Reduction of financial losses

Being assured of adequate  
contingency plans

Preservation of company's reputation,  
share price or existence





# Takeaway

Key questions to ask yourself\_



# Cyber Security: A Top Priority for Boards

Questions and Answers

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