JKSP | JABATAN KEHAKIMAN SYARIAH PAHANG

TAKLIMAT KESELAMATAN ICT JKSN PAHANG 2018

Tarikh : 31 Januari 2018
Masa : 8.00 pagi – 1.00 petang

Tempat :
Dewan Bakawali,
Tingkat 0, KOMTUR, Bandar
Indera Mahkota, Kuantan.

Jabatan Kehakiman Syariah Pahang
Jalan Masjid, 25000 Kuantan
Pahang.

http://pahang.jksm.gov.my
https://www.facebook.com/jabatankehakimansyariahpahang/

Slot 1:
"Security Awareness on Social Media"
Penceramah : En. Jazannul Azriq bin Aripin
Cybersecurity Malaysia

Slot 2 :
"Why Hackers Like Your Computer?"
Penceramah : En. Jazannul Azriq bin Aripin
Cybersecurity Malaysia

CyberSAFE

Awareness Program

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Jazannul Azriq Aripin

Senior Executive, Outreach & Corporate Communication Dept., CyberSecurity Malaysia

Mr. Jazannul Azriq B. Aripin; Senior Executive of Outreach Department, CyberSecurity Malaysia. He has a degree in Computer Science from Universiti Malaysia Sabah. A Microsoft Certified System Engineer (MCSE), Certified Information Security Awareness Manager (CISAM) and ISMS Lead Auditor. Ten years with CyberSecurity Malaysia doing Facebook Security, Facebook Forensic, Information Security Audit (ISMS/ISO27001-2005) and Social Engineering

CYBERSECURITY MALAYSIA (CSM) – AGENSI PAKAR KESELAMATAN SIBER NEGARA

CyberSecurity MALAYSIA
An agency under MOSTI

CyberSecurity Malaysia (CSM) adalah pusat rujukan teknikal dan khusus dalam bidang keselamatan siber di Malaysia. CSM juga diperlukan bagi menyokong dan menyediakan bantuan teknikal serta perkhidmatan latihan untuk pengurusan krisis siber negara.

- Cyber999 Incident Handling (MyCERT)
- Malware Research Center
- Strategic Research and Advisory
- Security Management & Best Practices
- Security Evaluation Facility
- Government & International Engagement
- CyberSAFE – Outreach Awareness Program
- Cryptography Research
- Digital Forensic & Data Recovery
- ISMS Audit and Certifications
- Common Criteria Evaluation & Certification
- Vulnerability Assessment
- Training and Professional Certification
- Industry Development Programs

Legend : Technology Process People

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CYBERSECURITY MALAYSIA SERVICES

KEMENTERIAN SAINS, TEKNOLOGI DAN INOVASI
MINISTRY OF SCIENCE, TECHNOLOGY AND INNOVATION

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CYBER SECURITY RESPONSIVE SERVICES

Cyber999 Help Centre

More than
80,000
CYBER SECURITY INCIDENTS

Digital Forensics

More than
5,000
DIGITAL FORENSICS CASES / INCIDENTS

CYBER SECURITY PROACTIVE SERVICES

Security Management & Best Practices

8 INFORMATION SECURITY GUIDELINES

BEST PRACTICES GUIDELINE **11**

Security Assurance

67 VULNERABILITY ASSESSMENT AND INFORMATION SYSTEM TECHNOLOGY SERVICES

Cyber Security Certification

54 ICT SECURITY PRODUCT

OUTREACH & CAPACITY BUILDING

InfoSecurity Professional Development

5,277
PROFESSIONAL CERTIFICATION IN INFORMATION SECURITY

Outreach

170,057
PARTICIPATION FROM SCHOOL, UNIVERSITIES AND ORGANIZATION

CyberSAFE™ MALAYSIA

STRATEGIC RESEARCH & ENGAGEMENT

Strategic Engagement

INTERNATIONAL STRATEGY AFFAIRS **12**

8 LOCAL ENGAGEMENT STRATEGY

COMPANIES REGISTERED UNDER COLLABORATION PROGRAM WITH INDUSTRY **33**

Research

40 CYBER SECURITY PRODUCT AND SERVICES

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Jenis-jenis Ancaman Siber

TECHNOLOGY RELATED THREATS

HACK THREAT

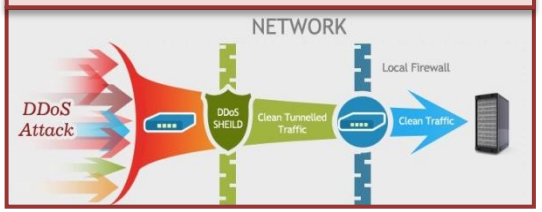
INTRUSION

FRAUD

SPAM

MALICIOUS CODE

DENIAL OF SERVICE ATACK



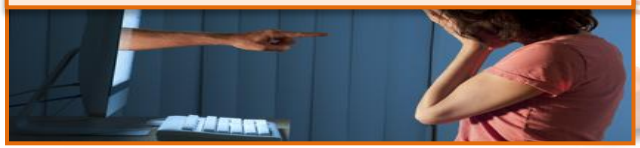
CYBER CONTENT RELATED THREATS

THREATS TO NATIONAL SECURITY

SEDITIOUS / HATE SPEECH

CHILD PORN

FAKE NEWS / DEFAMATION



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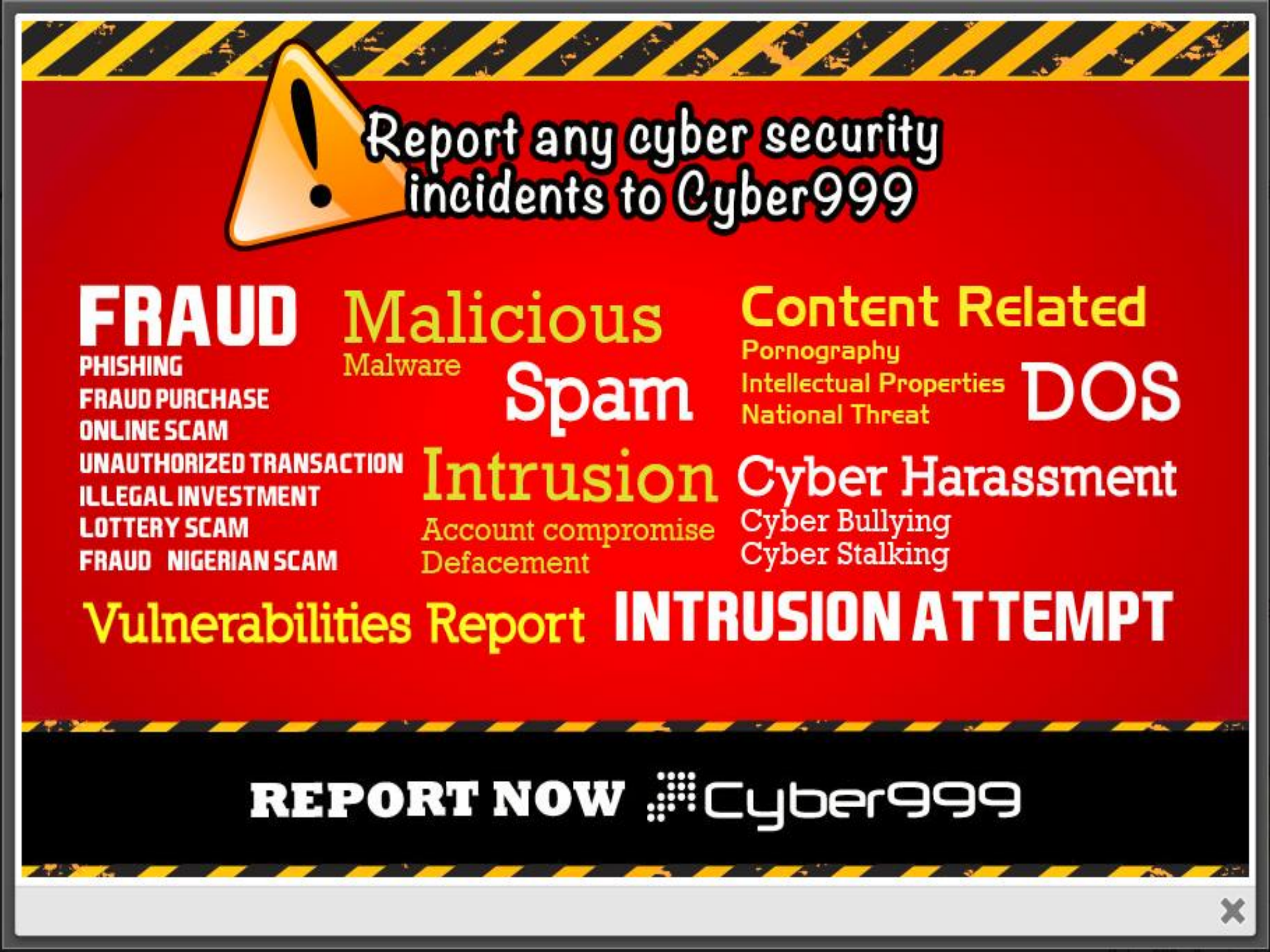
Report any cyber security incidents to Cyber999
FRAUD
PHISHING
FRAUD PURCHASE
ONLINE SCAM
UNAUTHORIZED TRANSACTION
ILLEGAL INVESTMENT
LOTTERY SCAM
FRAUD NIGERIAN SCAM
Malicious
Malware
Spam
Intrusion
Account compromise
Defacement
Content Related
Pornography
Intellectual Properties
National Threat
DOS
Cyber Harassment
Cyber Bullying
Cyber Stalking
Vulnerabilities Report
INTRUSION ATTEMPT
REPORT NOW
Cyber999

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MyCERT
Malaysia Computer Emergency Response Team

Cyber999

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Cyber999 Mobile Apps

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Format: Cyber999 Report send to 15888

cyber999 [at]cybersecurity.my

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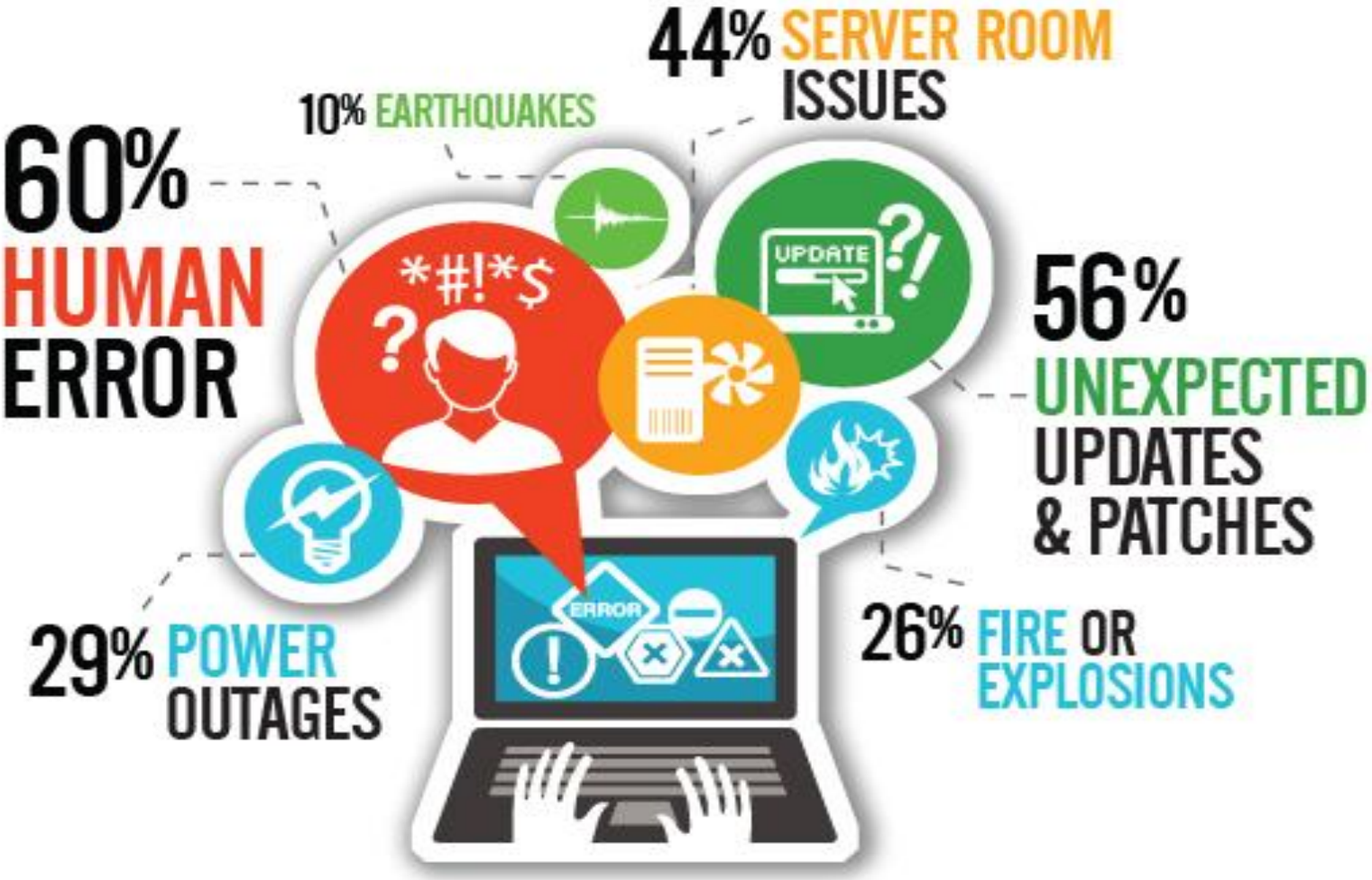

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What You Keep Inside Your Computer

Work-Related Information

- company information (structure, process, systems)
- corporate email
- business applications access
- business servers access
- business documents
- customer information
- vendor information

Personal-Related Information

- personal information
- personal emails
- online banking
- social networking
- personal documents
- personal photos
- your dirty little secrets

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Security Scenarios I

Bad Guys' Perspective

Bad guys are constantly finding for the weakness of each components to ensure the success of malicious attack

Users' Perspective

Most users are more focused on how to use computer to do their daily tasks but no so much about their security

"If you think technology can solve your security problems, then you don't understand the problems and you don't understand the technology" - Bruce Scheneir

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Security Awareness #1 – Password

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Security Awareness #1 – Password

How Hackable Is Your Password?

The length and strength of your password can make a huge difference in how long it takes for hackers to crack the code!

2 Minutes

If you have an all lowercase 5-character password, a hacker can feast on your personal data by the time you get your drive-thru order.

10 Minutes

Do you have a 5-character password with all lowercase letters and numbers? A hacker can crack it before you and Spike make it around the block.

1 Hour

Hackers are in incredibly flexible, even without exercise. In the hour you spend doing yoga, they can crack a 5-character password with upper and lowercase letters.

17 Years +

Longer, stronger passwords put hackers in a time- out. An 8-character password that uses upper and lowercase letters and symbols takes longer to crack than raising a child.

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Test Your Password – “The Password Meter”

Test Your Password		Minimum Requirements
Password:		• Minimum 8 characters in length • Contains 3/4 of the following items: - Uppercase Letters - Lowercase Letters - Numbers - Symbols
Hide:	☑	
Score:	0%	
Complexity:	Too Short	

Additions		Type	Rate	Count	Bonus
✗	Number of Characters	Flat	*+(n*4)*	0	0
✗	Uppercase Letters	Cond/Incr	*+((len-n)*2)*	0	0
✗	Lowercase Letters	Cond/Incr	*+((len-n)*2)*	0	0
✗	Numbers	Cond	*+(n*4)*	0	0
✗	Symbols	Flat	*+(n*6)*	0	0
✗	Middle Numbers or Symbols	Flat	*+(n*2)*	0	0
✗	Requirements	Flat	*+(n*2)*	0	0

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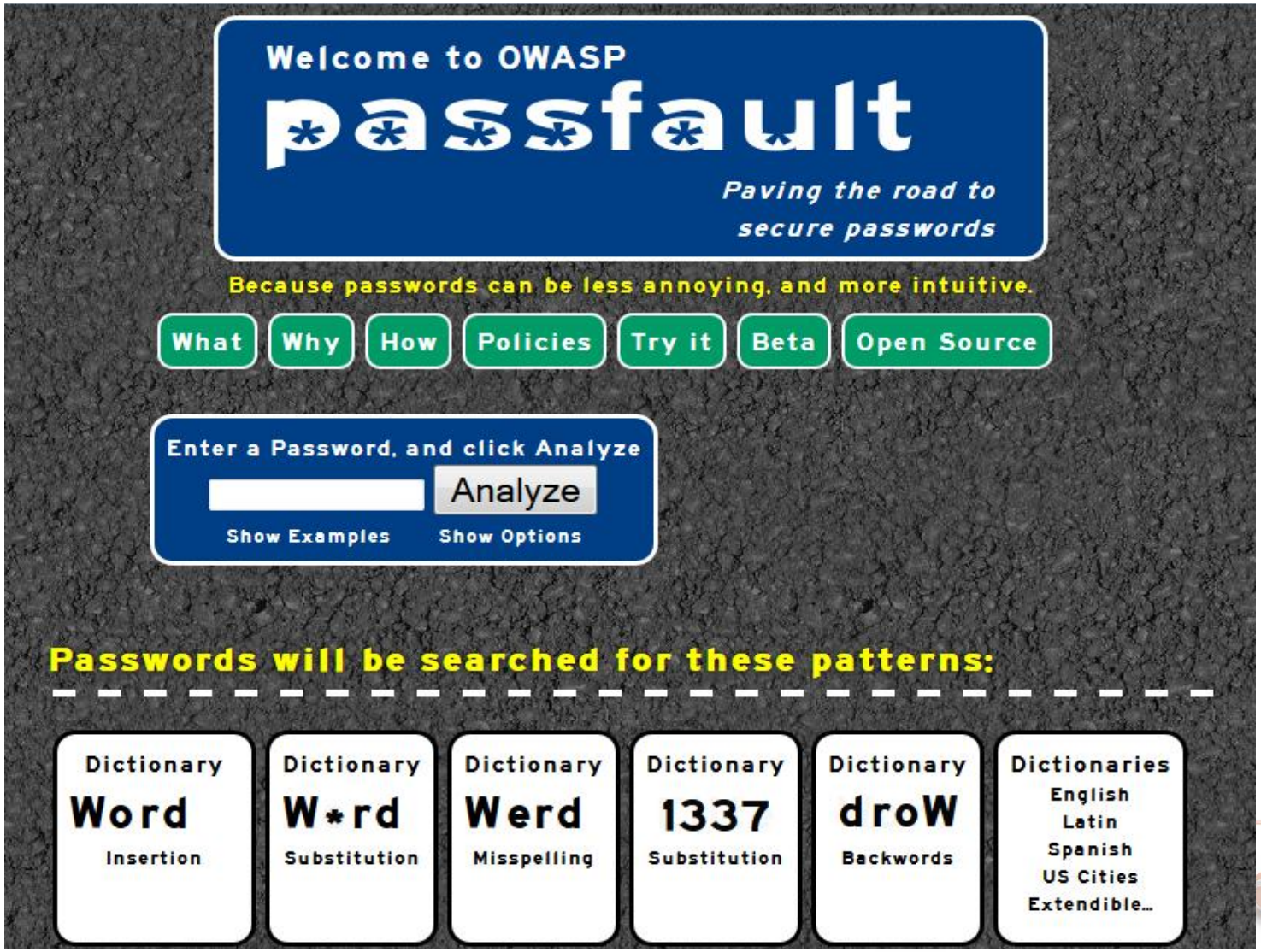
Test Your Password – "Passfault"



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Security Awareness #2 – Media Sosial

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Media Sosial

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Pengguna Media Sosial Global

2.9 BILLION

ACTIVE SOCIAL MEDIA USERS WORLDWIDE

20 MILLION

ACTIVE SOCIAL MEDIA USERS IN MALAYSIA

(As of 2017)

1 BILLION

UNIQUE MONTHLY YOUTUBE USERS WORLDWIDE

1.9 BILLION

UNIQUE MONTHLY FACEBOOK USERS WORLDWIDE

600 MILLION

UNIQUE MONTHLY INSTAGRAM USERS WORLDWIDE

(Malaysians are the most active Instagram user in the Asia-Pacific region – 73%)

317 MILLION

UNIQUE MONTHLY TWITTER USERS WORLDWIDE

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facebook

Facebook helps you connect and share with the people in your life.

Welcome to **Facebook** - Log In, Sign Up or Learn More

Facebook is a social utility that connects people with friends and others who work, study and live around them. People use **Facebook** to keep up with friends, ...

www.**facebook**.com/ - Cached - Similar

Login
Find Friends
Create a Page
Forgot your password

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Facebook Statistics

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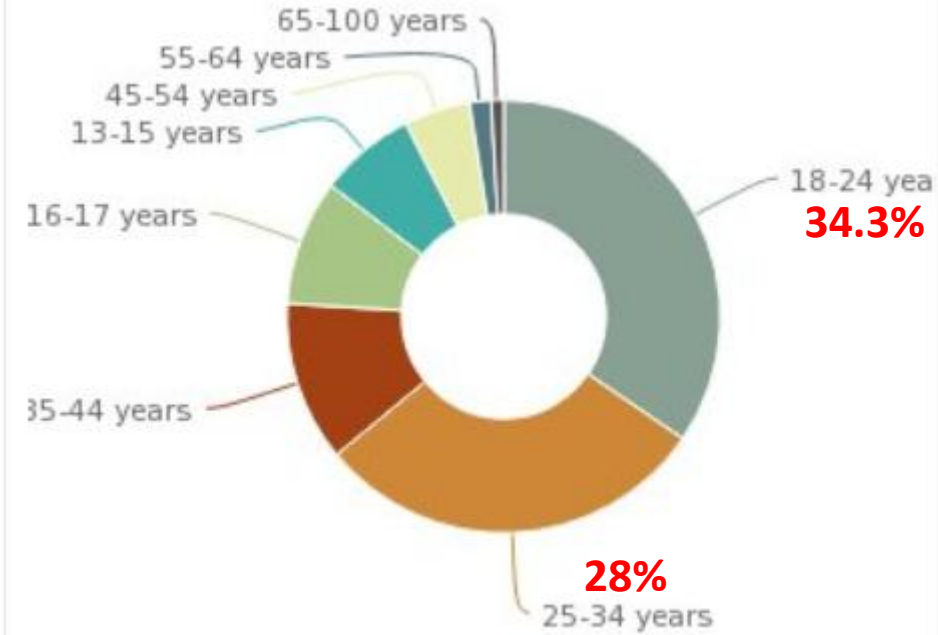
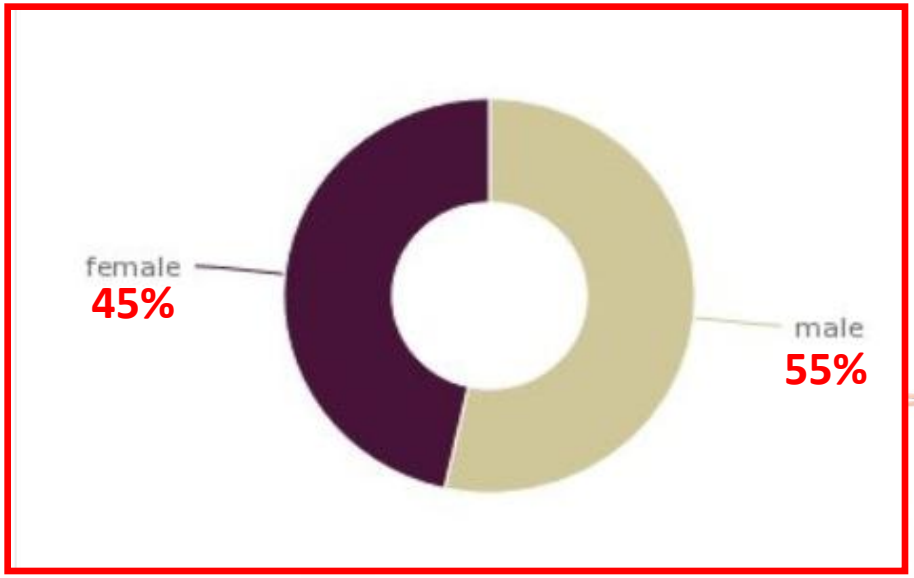
Total Facebook Users (MY)	18,890,850
Position in the list	19
Penetration of population	47.32%
Penetration of online population	83.68%

facebook

Facebook helps you connect and share with the people in your life.





Before you...

THINK!

T = Is it True?

H = Is it Helpful?

I = Is it Inspiring?

N = Is it Necessary?

K = Is it Kind?

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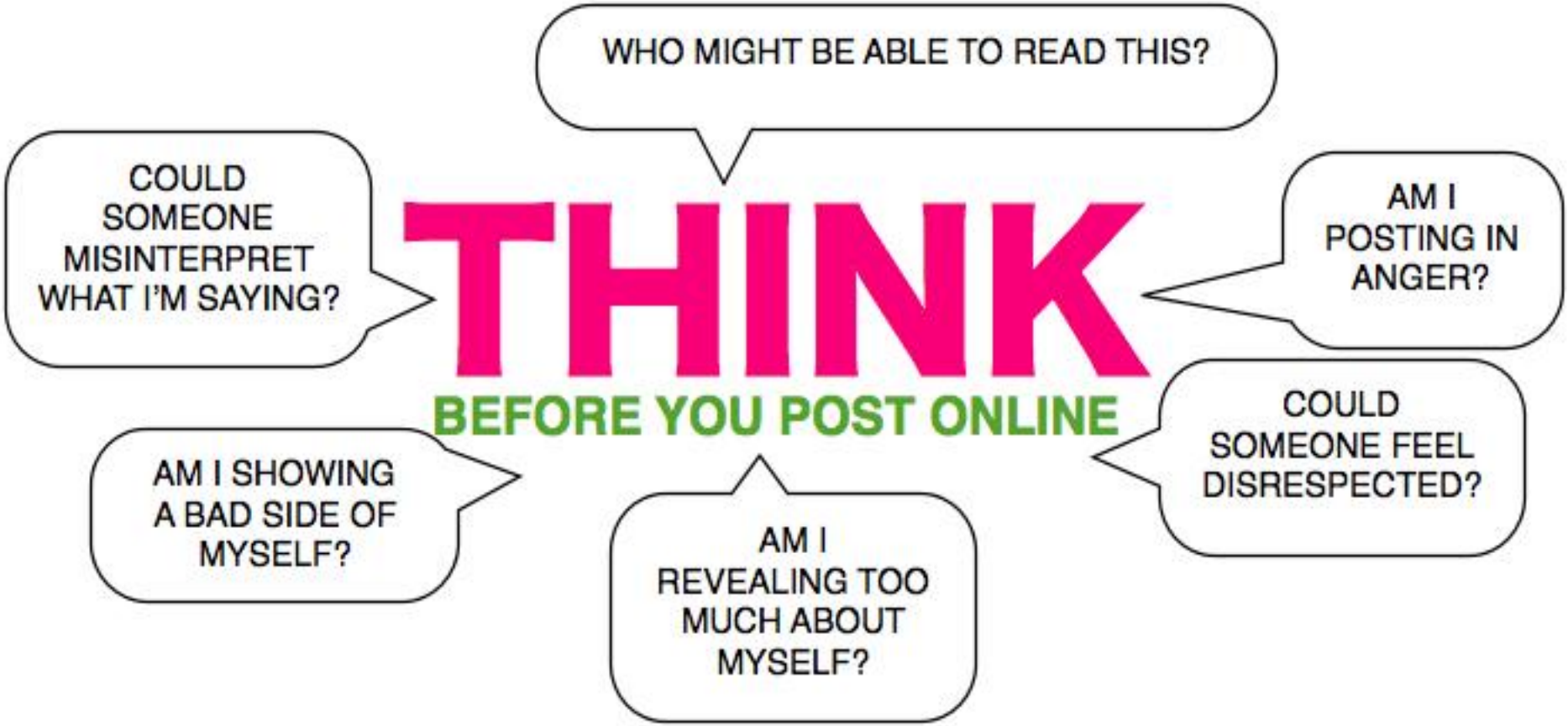

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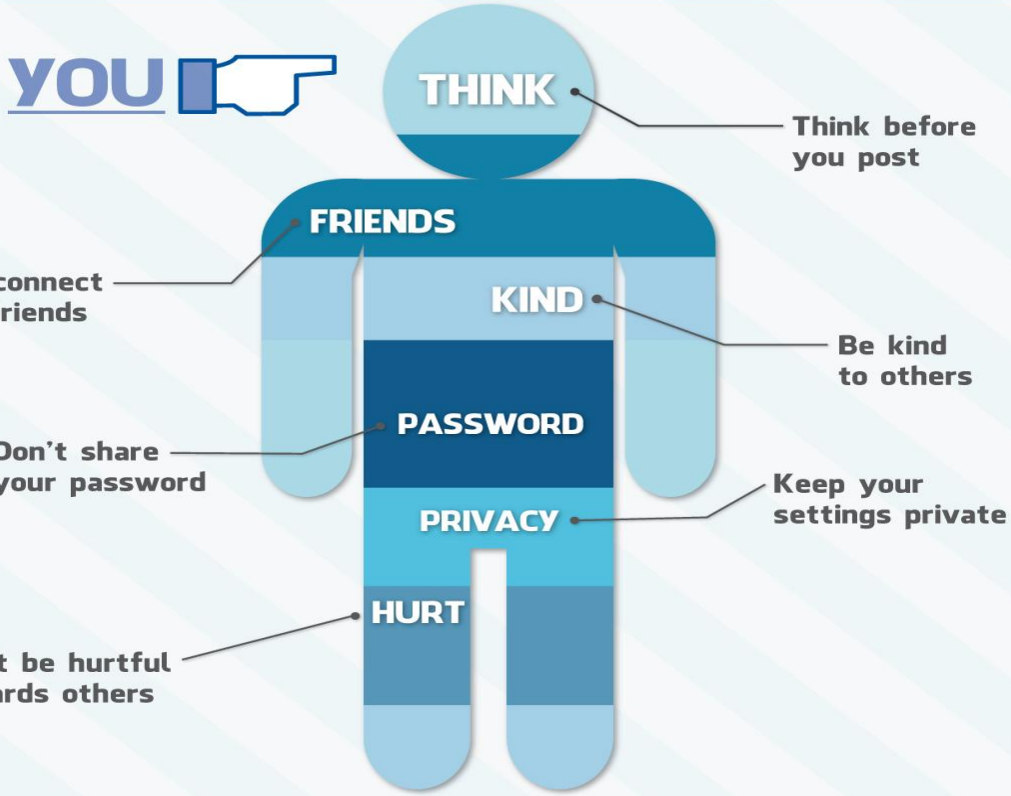
safebook



PARENTS & TEACHERS

Join Facebook
Understand how it works
Teach safety and responsibility
Privacy – check their settings

FRIENDS

DON'T: Stay silent

DO: Help your friend
Report the bully
Tell your parents
Tell your teacher

THE BULLY

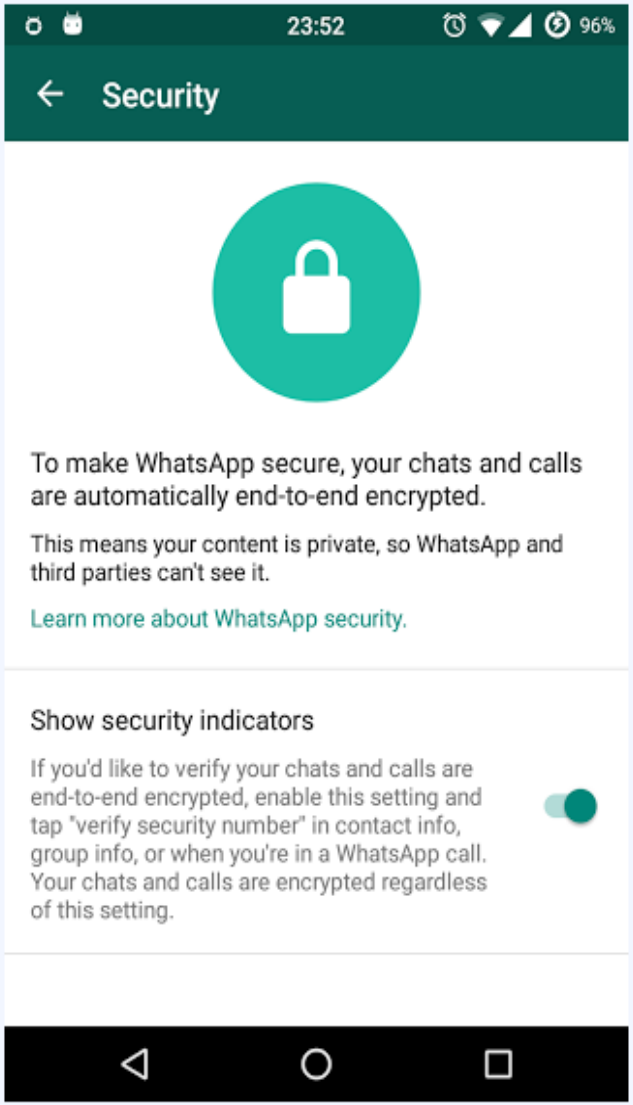
DON'T: Respond

DO; Save what they say
Unfriend the person
Block them
Tell a Friend
Tell your Parents
Report the person

TELL • UNFRIEND • BLOCK • REPORT

This is our reaction to cyber-bullying. We must all play our part! Play yours - email **design@fuzion.ie** for a print ready file

Social Media - Whatsapp



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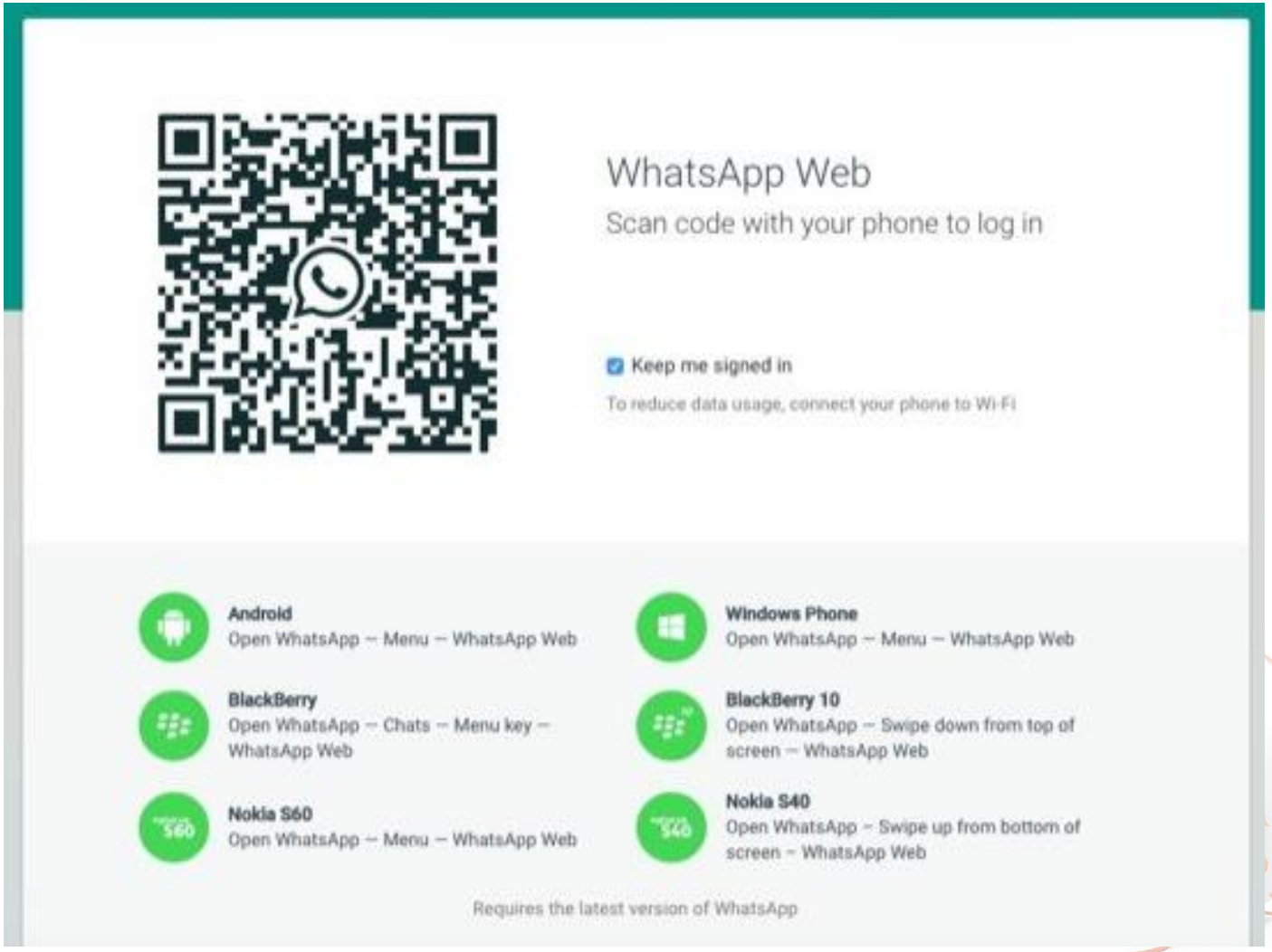
Social Media - Whatsapp



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Social Media - Whatsapp

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Social Media Security

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Social Media Security

TIPS FOR USING SOCIAL MEDIA SAFELY AND SECURELY

- *Use unique, complex passwords for every online account you own and change them regularly — especially following announcement of a security breach or account compromise*
- *Weigh your risk before posting or sharing information that could be valuable to cybercriminals*
- *Configure privacy settings for your social profiles to control what kind of information you share with others*
- *Never share sensitive information on social media, including financial information, account credentials, confidential company information, and personal information that could be used to steal your identity or compromise your accounts*

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Social Media Security

- Be especially wary of unsolicited contact via social media, particularly from people you don't know
- Avoid clicking on suspicious links or content in direct messages or news feeds
- Only connect with people that you know and trust in real life

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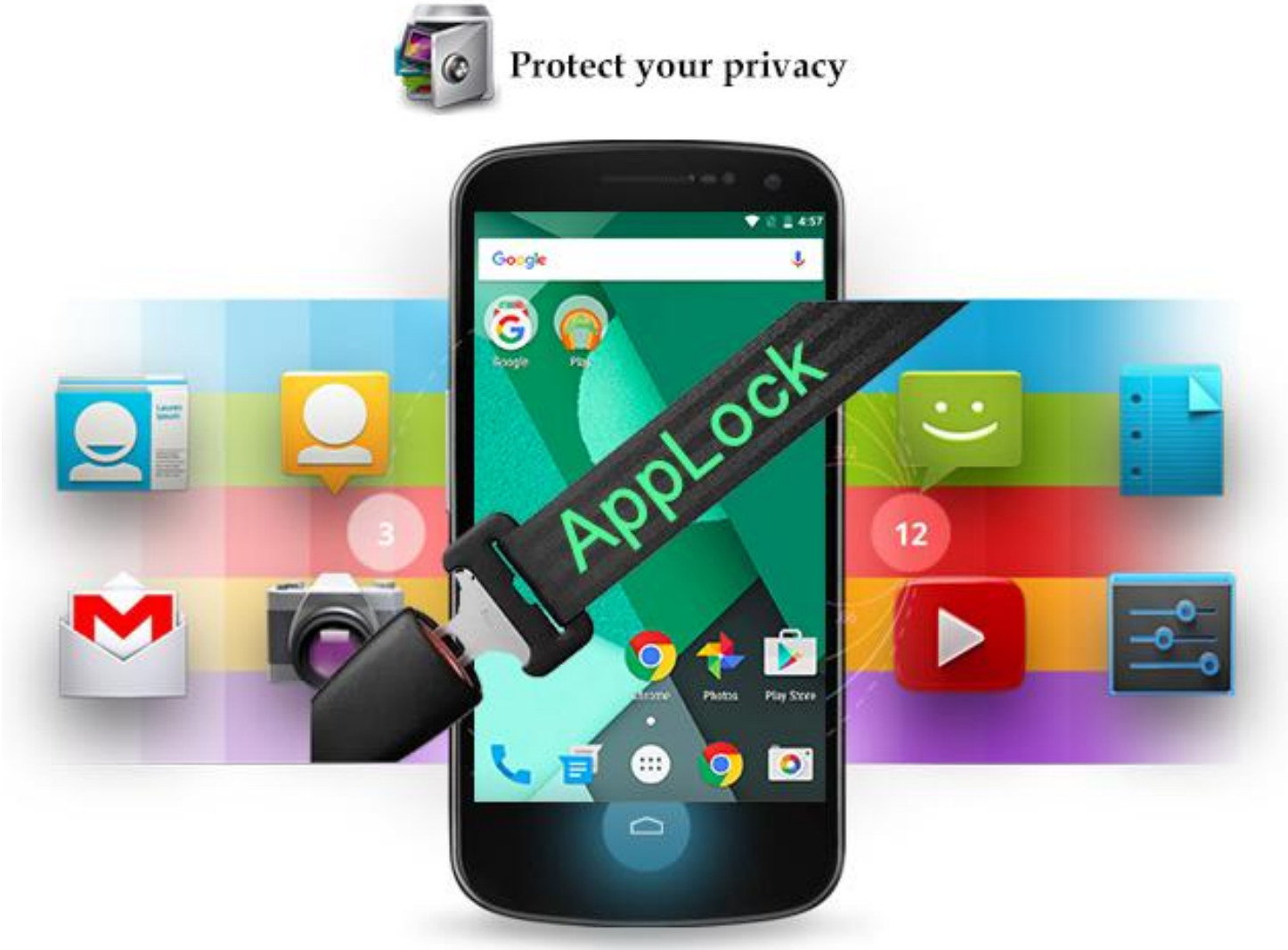
Social Media – Apps Lock



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Security Awareness #3 – Mobile Security

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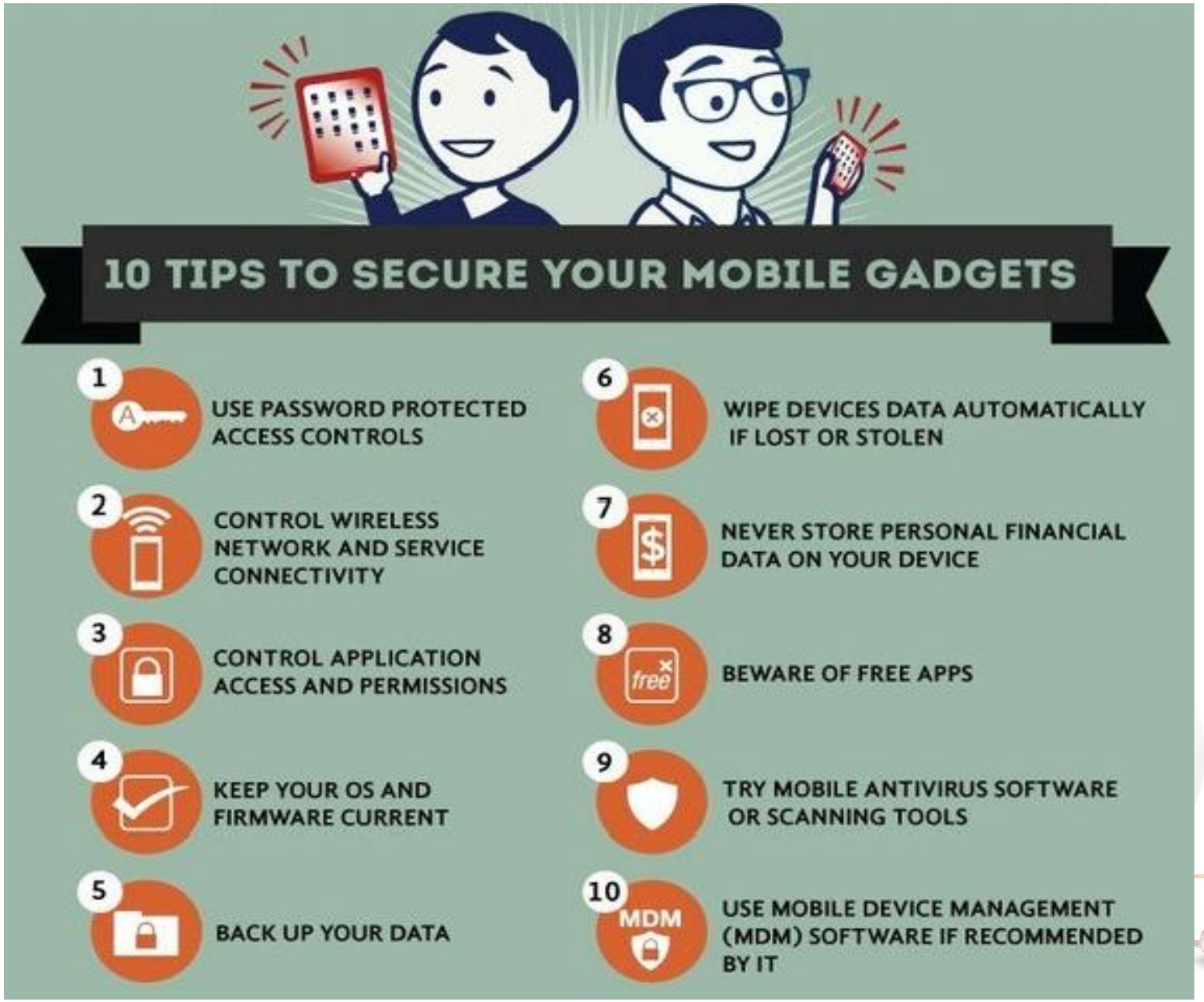

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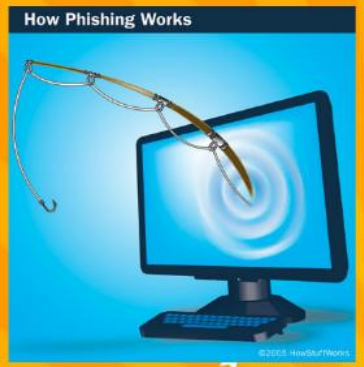
Security Awareness #4 – Phishing

Phishing



The purpose of phishing is to collect people's personal information. A phishing website or message tries to trick you into revealing personal information by appearing to be from a legitimate source.

A few simple ways to avoid these scam

1. Never reply to suspicious emails, tweets, or posts with your personal or financial information.
2. Never enter your password after following a link in an email or chat that you don't trust.
3. Don't send your password via email.
4. Only sign in to your account when you're 100% sure you're on the real site.
5. Install browser updates immediately, or choose a browser like Chrome that updates automatically to the latest version.
6. Report suspicious emails and phishing scams.

Rebecca Hall
Anna Mateva

ANATOMY OF A SPEAR PHISHING ATTACK

1. A hacker targets a company. Using social networks or other internet data, he finds employees with access to company data/systems.

2. Following the social trail, he identifies other people the employee may know.

3. A fake but recognizable email address is created to impersonate a colleague or boss.

4. A personalized email is sent to the employee from the fake address with a link or attachment.

5. The email passes the spam filter and arrives at the employee's inbox.

6. The email is opened because they 'know' the sender.

7. A link is clicked or attachment opened.

8a. Opened website causes credentials to be stolen/malware to be installed.

8b. Opened attachment causes malware to infect the computer/ smartphone/network.

9. The hacker uses the backdoor to steal information

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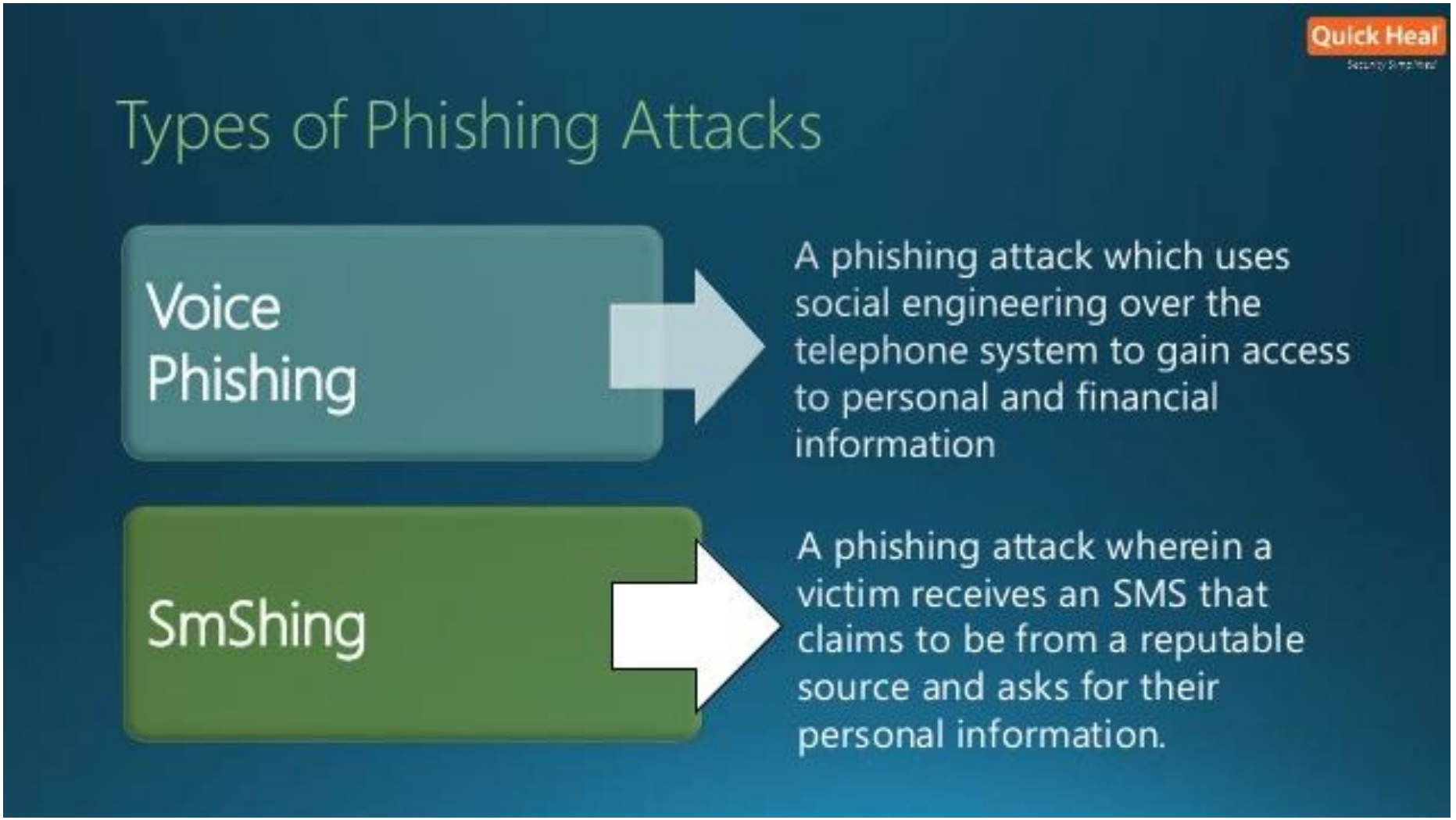
Security Awareness #5 – Vshing & SMShing



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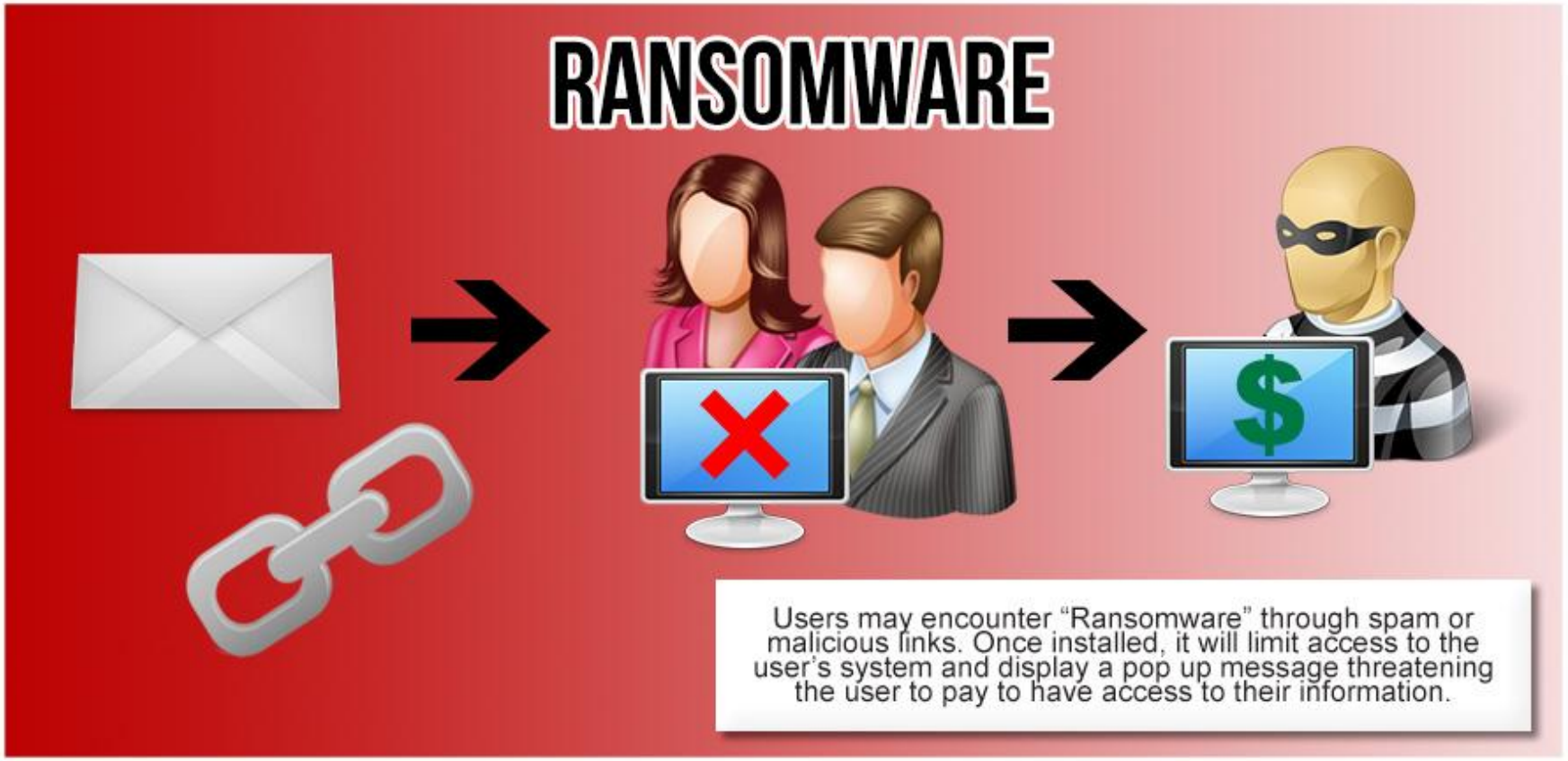
Security Awareness #6 – Ransomware



What is RANSOMWARE???

A type of malware that can stop you from using your PC, rename or encrypt your files so you can't use them. You may warned that you need to pay money, Bit Coins, complete surveys or perform other actions before you can use your PC

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Security Awareness #6 – Ransomware

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Security Awareness #6 – Ransomware

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End Message

HUMAN ERROR .. YET AGAIN
E. Smith

Cyber Security
is everyone's
responsibility...
Protect your information
at home and at work!

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