Objectives

• Introduction
• Security Posture
• Case Study #1 – Ashley Madison
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• Naval Stories......
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Introduction
Introduction
Aim: Metrics Snapshot: 2020

- 100 Billion Devices & 58 Zettabytes
- 1 Billion Facebook Posts
- Mobile Market is 10x the desktop market
- 200 Million Tweets
- Thync
Aim: Metrics Snapshot

"AFTER TWO WEEKS, I WAS WAY LESS ANXIOUS, GENERALLY HAPPY, AND SLEPT LIKE A BABY."

Jessica P. - Amazon 2016

Energize or relax without drinks or pills.
Introducing CERT

Incident Reporting Channels

SIRO
Ian Leslie

Deputy SIRO
Steve Riley

CISO
(Collapsed)

Head of SOC/Network
Jon Holgate
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Head of Computer Emergency Response
Kieron Lovell / KML52@cam.ac.uk

DUTY CERT
CERT@cam.ac.uk

Major Incidents

All Other Incidents

External to UIS

Other CERT's

HR

Europol

Legal

Kate Jeary / kj1000@cam.ac.uk
Rob Taylor / rt58@cam.ac.uk

Vin Everett / ve100@cam.ac.uk
Dave Barry / DJ883@cam.ac.uk
Introducing Cambridge

Social Engineering Paradise
Ashley Madison – Bad News

After 1.3 million Brits’ data was leaked from extramarital affair website Ashley Madison
Exposed: 164 uni staff caught on cheating website Ashley Madison

It’s a sordid website for extramarital affairs
Churchill, St John’s and King’s are the worst colleges for cheaters

Infidelity is in our midsts

Lustful undergrads and naughty staff have been caught on the
Cambridge has more love rats than Oxford, while Aberdeen is the dirtiest uni in Scotland.
Ashley Madison – Password Exposure

• Concerned of Blackmail
• Same username and password
• CC numbers
• Actions: Contacted the users on our network
• Ran a password cracker on our database

• Top Passwords
  • Cambridge1
  • Password
  • 123456
This email was sent to 12,000 people

--- Original Message ---
From: Alistair.26.18@cam.-ac.uk
To: [email redacted]
Subject: Cambridge Helps! Donate to support Syrian Refugees
Dear Cambridge Community,

We are a group of Medical Students at the Cambridge School of Medicine. We have initiated this fundraiser to help provide support and humanitarian aid for Syrian Refugees. We are facing the biggest migrant crisis in Europe since World War II. Whilst our leaders have a sobering debate about how to come up with a solution to the current crisis, let’s not forget that these are real people who are in need of real humanitarian aid.

Nearly 12 million Syrians have been forced from their homes by the fighting. Refugees need food, clothing, health assistance, shelter, and basic household and hygiene items. They need reliable supplies of clean water, as well as sanitation facilities. They also need warm clothing, heaters, and heating fuel to get through the coming winter months. The World Food Program recently had to cut food assistance to one-third of the Syrian refugees in the region, including 229,000 living outside of camps in Jordan.

Help us raise money to provide this assistance!
Visit our fundraising website to donate now, and give your support!
With a small donation of even £1 or £5, you can make a difference.
Help Give Humanitarian aid to Syrian Refugees (http://www.cam-hum-aid.co.uk)
(https://cam-hum-aid.co.uk)
Charity Fraud

Help give humanitarian aid

Refugees NEED YOUR HELP!

Donate to help send emergency relief to refugee camps

Your donations will be used to purchase: Potable Water, food, toiletries, portable cooking devices, medicines and vaccines.

Or via PayPal

If we all give a little, your help all goes a long way!

ABOUT US

We are a group of Medical Students at the Cambridge School of Medicine. Originally we wanted to respond to a refugee camp in a border country as
My name is Alex and I ask PLEASE READ this short description!

I am a Lebanese student and I am in my last year of Medical school. I won a scholarship to study Medicine abroad in my country for my work promoting health and prevention programs in rural areas of Guatemala. I am on a student visa and I am not eligible for any aid. My country, however, decided to stop giving scholarships for people to study abroad after my first year of Medical School, and I was devastated. Most of my friends on this scholarship were forced to drop out of school. I have been fighting to finish school, and pay my tuition every year completely out of my own pocket. I am determined to finish Medical School and return to Central America to offer quality medical care to low income families in rural areas. I have done everything you can imagine, and many weeks I live off a budget of 10 dollars. What I was doing before was “distance education” in my country. While studying medicine here, I was going to an online school in Lebanon to be able to collect government aid. I would also spend my summers working in labs back home, do paid research studies as a guinea pig, etc... but as of last year, I can no longer get aid through distance education, which is were the bulk of my money came from. Over the years I have taken out loans, hounded family and friends for help, written letters to the Dean and government. I have no where else to turn now. I have only one year left!! And I desperately need help! It is very challenging, and difficult to study something like medicine, which the constant stress of how you will pay tuition, and finally once you can pay tuition, worrying about if you will have enough...
Charity Fraud

£25,000 was raised
Only £200 was actually reported
Final thought........
Final thought.........
Final thought...........

Picture same as website – Full Metadata

Al Shabaab Stronghold

Time of arrival and port posted