

CYBER SECURITY: HOW WE CAN HELP

WHAT ARE WE GOING TO TALK ABOUT



Who we are

Why is this important?

Live Hack Demonstration

Doing the Basics

How we can help



https://nerccu.police.uk/

WHO WE ARE















NEED TO KNOW

WHY IS THIS IMPORTANT?



Cyber Security Breaches Survey 2022



39% of UK businesses identified a cyber attack

the most common threat vector was phishing attempts (83%)

31% of businesses and 26% of charities estimate they were **attacked at least once a week**

Looking at organisations reporting a material outcome, such as loss of money or data, gives an average estimated cost of all cyber attacks in the last 12 months of £4,200. Considering only medium and large businesses; the figure rises to £19,400.

USING PASSWORDS TO PROTECT YOUR DATA





Use two-factor authentication for 'important' accounts

Avoid using predictable passwords

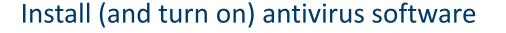
Help your staff cope with 'password overload'

Change all default passwords



PROTECTING YOUR ORGANISATION FROM MALWARE





Prevent staff from downloading dodgy apps

Keep all your IT equipment up to date (patching)

Control how USB drives (and memory cards) can be used

Switch on your firewall



KEEPING YOUR SMARTPHONES (AND TABLETS) SAFE



Switch on password protection

Make sure lost or stolen devices can be tracked, locked or wiped

Keep your device up to date

Keep your apps up to date

Don't connect to unknown Wi-Fi Hotspots



UNDER ATTACK

Cyber Essentials





Why should you get Cyber Essentials?

- Reassure customers that you are working to secure your IT against cyber attack
- Attract new business with the promise you have cyber security measures in place
- You have a clear picture of your organisation's cyber security level
- Some Government contracts require Cyber Essentials certification



https://getreadyforcyberessentials.ias me.co.uk/questions/

CiSP (Cyber Information Sharing Partnership)





The benefits of being a part of CISP are:

- engagement with industry and government colleagues in a secure and confidential environment
- in-depth analysis of cyber threat information
- access to a network of experienced professionals in the cyber security industry
- contribute to helping the NCSC make the UK the safest place to live and work online



https://www.ncsc.gov.uk/section/kee p-up-to-date/cisp

BACK UP YOUR DATA





Identify what data you need to back up

Keep your backup separate from your computer

Consider the cloud

Read NCSC cloud security guidance

Make backing up part of your everyday business

AVOIDING PHISHING ATTACKS



Configure accounts to reduce the impact of successful attacks

Think about how you operate

Check for the obvious signs of phishing

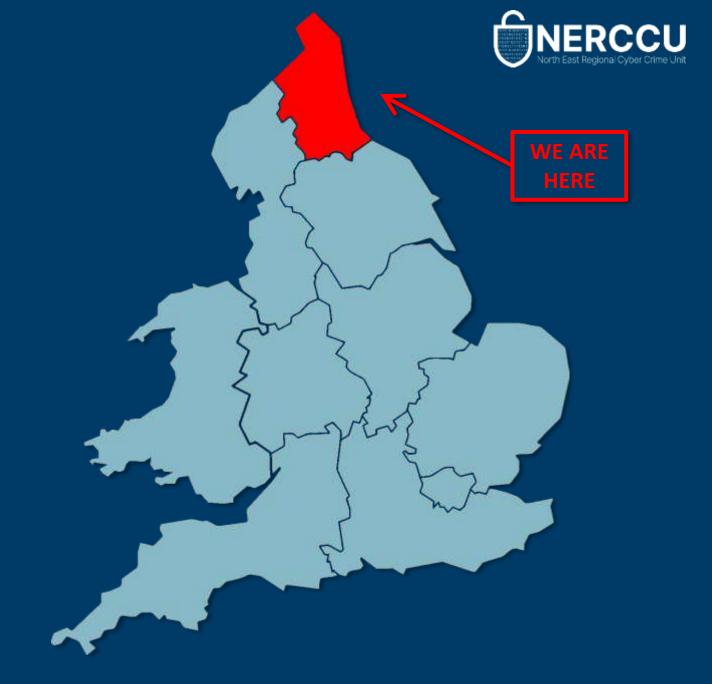
Report all attacks

Check your digital footprint



WHO WE ARE

PURSUE PREVENT PROTECT PREPARE





DOING THE BASICS

Action Fraud





What is Action Fraud?

- Action Fraud is the UK's national reporting centre for fraud and cybercrime where you should report fraud if you have been scammed, defrauded or experienced cyber crime in England, Wales and Northern Ireland.
- If you are a business, charity or other organisation which is currently suffering a live cyber attack (in progress), please call **0300 123 2040** immediately.



https://www.actionfraud.police.uk/



HOW WE CAN HELP

HOW WE CAN HELP





STAFF TRAINING/ AWARENESS



VULNERABILITY ASSESSMENT



POLICE CYBER ALARM



CYBER EXERCISING



...AND
MORE!



https://nerccu.police.uk/

November 2021: Responses to the EDA's State of the Sector Survey



Does your business have insurance against cyber crime including ransomware, hacks, data breaches, lost income etc.?

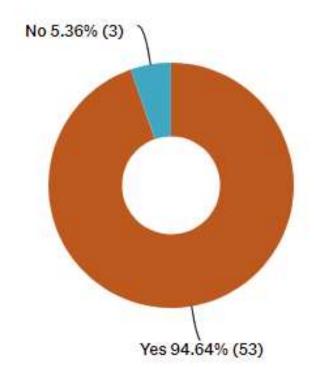


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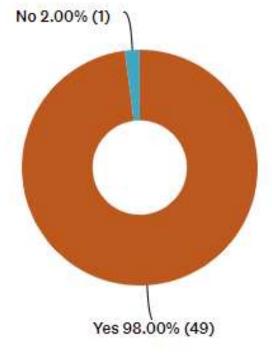


Does your business have access to IT professionals (internal or external) who could support you in the event of cyber crime?

Wholesalers



Manufacturers



FINANCIAL WELLBEING







Protecting communities from organised crime

OBJECTIVES

- INTRODUCE THE RECCC / NERSOU
- CLEARLY STATE THE OBJECTIVES OF THE RECCC
- OUTLINE THE LANDSCAPE IN RELATION TO FRAUD AND ECONOMIC CRIME
- DISCUSS THE LANGUAGE USED AND CULTURE AROUND ECONOMIC CRIME
- DISCUSS THE DAMAGE CAUSED BY ECONOMIC CRIME

PC BRIAN COLLINS

PC IAN SANDERS

PC MEGAN TURNER

• PC JAMIE WARDLE



REGIONAL ECONOMIC CRIME CO-ORDINATION CENTRE







NERSOU – A REGIONAL SOLUTION TO NATIONAL PROLEMS!



RECCC OBJECTIVES

Promote awareness and understanding of the threat posed by Economic Crime/abuse.

Communicate information around the tactics criminals seek to exploit.

Empower individuals and businesses to create good habits and positive behaviours.

 To build a strong engaged network of organisations and individuals to promote a partnership/ community approach to tackling economic crime/abuse.



EMBEZZLEMENT

ROMANCE FRAUD COUNTERFEIT GOODS

EMAIL SPAM HEDGE FUND FRAUD

IDENTITY THEFT PONZISCHEMES

MONEY MULES

BOGUS TRADE FRAUD

PHISHING

EXPLOITING ASSETS

MONEY LAUNDERING

SPEAR FISHING

FALSE ACCOUNTING

THE NUMBERS

In the last financial year there were 875,622 reports of fraud in the UK.

This gave a reported loss of £2.35bn.

This equates to almost 2,399 offences of fraud each day - over 1/3 of all recorded crimes.

You are more likely to be a victim of fraud than any other crime type

SO...

- Who has received calls telling you about a car accident that wasn't your fault?
- Who has had text's from delivery companies asking for a payment to release a package?
- Or a bank getting in touch because of a tax rebate?
- Or a letter arriving telling you that you have won a competition you don't remember entering?
- Or during a national pandemic offers of vaccines and "cures"
- The list goes on and on and on...

DO WE NEED TO CHANGE OUR THINKING AND THE LANGUAGE OF FRAUD?

- FRAUDSTER
- TRICKSTER
- SCAM ARTIST
 - **CHEATER**
 - SWINDLER
- DOUBLE DEALER
 - HOAXER...?

DO WE NEED TO CHANGE OUR THINKING AND THE LANGUAGE OF FRAUD?

- FINANCIAL ABUSER
 - CRIMINAL
 - THIEF
 - DRUG DEALER
- MONEY LAUNDERER
 - TRAFFICKER
 - TERRORIST...?

STOP USING THE F'WORD....

START USING THE 'C' WORD!!!

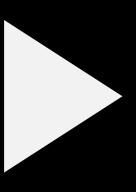








THE IMPACT AND HUMAN COST OF FRAUD Click below to view video



THE IMPACT AND HUMAN COST OF FRAUD











Serious and Organised Crime Strategy

ursue

- Establish strong, effective and collaborative organisations
- Develop our capabilities
- Attack criminal finances
- Ensure that effective legal powers are available
- Internationally, improve our own capabilities and our cooperation with others

Prosecute and disrupt people engaged in serious and organised criminality

revent

- Raise awareness of the reality and consequences
- Intervene to stop people being drawn into different types of serious and organised crime
- Develop techniques to deter people from continuing in serious and organised criminality
- Establish an effective offender management framework to support work on Pursue and Prevent

Prevent people from engaging in serious and organised orime

rotect

- Protect our borders
- Protect national and local government
- Improve protective security in the private sector
- Protect people at risk of becoming victims
- Improve our anti-corruption systems
- Strengthen systems for establishing identity

Increase protection against serious and organised crime

repare

- Ensure major serious and organised crime incidents are brought to a rapid and effective resolution
- Ensure communities, victims and witnesses affected by serious and organised crime have the support which they need

Reduce the impact of this criminality where it takes place

The NCA will develop an authoritative intelligence picture of organised crime and work with the police and others to lead, coordinate and support our response. New local organised crime partnership boards will provide support to local policing on all aspects of this strategy. New NCA and law enforcement capabilities will be developed to deal with developments in organised crime, notably the move online. We will legislate on aspects of organised crime. We will increase work against foreign national offenders and refocus the NCA's international network to deal with all crime types.

We will have a new preventative programme including more and better education and communications about organised crime, local coordination with existing work on troubled families and gangs, and wider use of interventions (e.g. Serious Crime Prevention Orders). We want to work more closely with the regulators of professions whose members may, wittingly or not, facilitate organised crime activity. We will promote effective lifetime offender management as a framework for both Pursue and Prevent and involving the NCA, regional police units and police forces.

We have changed roles and responsibilities at the border and on immigration enforcement. We are building new border capabilities. We will increase work to cut fraud against government and in particular local government procurement. We will share more threat reporting with at risk parts of the private sector notably on fraud and cyber crimes.

We will provide more information to the public on these issues and also on child sexual exploitation. We will work to restrict circulation of illegal child abuse images. We are revising responsibilities for the investigation and reporting of corruption.

We will continue to develop emergency service interoperability to better deal with terrorism and other crimes. We will establish a new unit to coordinate our national response to major cyber attacks including cyber crime.

A theme in this strategy is to provide support to communities affected by organised crime. This is part of all the four main areas of our work. Specific new initiatives are also planned to support victims and witnesses.

Reduce threat

Aim

Reduce level of serious and organised crime

Reduce vulnerabilty







"The important thing is that we stick together!"

Buzz Lightyear



ActionFraud

National Fraud & Cyber Crime Reporting Centre

---- 0300 123 2040 ---



