

The beginning and end of cyber resilience

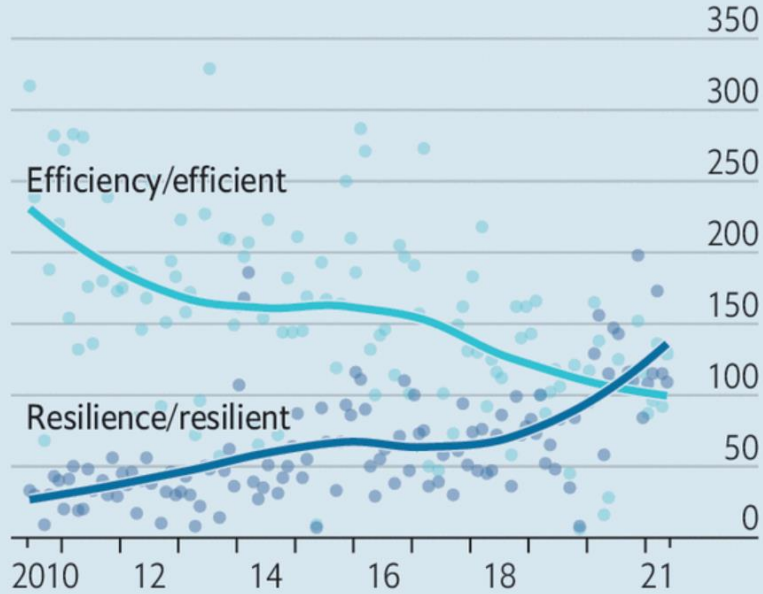
Emily Mayhew, Local Digital Cyber

Ministry for Housing, Communities and Local Government



Hard talk

Britain, use of words in parliamentary debates



Source: Hansard

The Economist

Most narrowly....

“Cyber resilience is the ability to prepare for, respond to, and recover from cyber attacks”

- [ITGovernance.eu](https://www.itgovernance.eu)

**State /
state-sponsored
actors**

**Organised
Cybercriminals**

Scriptkiddies

**Cyber resilience doesn't end
with prevention!**

**You can't be 100% secure,
you can be better prepared**

**Cyber resilience doesn't end
with the IT team!**

**Be ready to manage real world
impacts**



- Borough Council
- Housing, waste collection, planning applications, local taxation collections, leisure services, and more
- +2,000 staff across several locations
- Passed IT Health Check

- **Safeguarding risk**
- **Service impacts**
- **Staff welfare**
- **Media interest**
- **Possible compromise**
- **Initial estimate = over £10m**

“ how do you - in a modern age - deliver a service if you've lost all that? ”

**John Sampson,
Managing Director**

Keep spare devices and printers off network

Prepare for information requests from Government and Agencies

Be ready for media scrutiny

“We knew good cyber security was important but hadn’t really understood what the **impact of an attack** could be.

We have **changed forever** how we look at business continuity”

- Vikki Smith, Business Continuity Manager

How will you give teams time to rest?

Have hard copies of your plans safely stored

Think about counselling and support for staff

Council hit by cyber attack reveals £2m cost

BBC 10 Oct 2018

Wiltshire Council hit by almost 100,000 daily cyber attacks following Novichok

Salisbury Journal, 5 July 2019

Technology

Kaseya ransomware attack sets off race to hack service providers -researchers

Reuters, 3 Aug 2021

Hackney still reeling from cyber attack six months on

Local Government Chronicle, 13 Apr 2021

**Redcar cyber-attack 'cost council
£10.4m'**

BBC, 5 Aug 2020

SolarWinds: UK assessing impact of hacking campaign

BBC, 18 Dec 2020

Colonial Pipeline cyber attack "a real-world catastrophe"

Information-age.com

1. What's the R.W.C.S ?

- “**When** not if”
- Learn from case studies
- Impact Assessment / Business Impact Analysis
- Mitigate what you can (reliable back ups!)

2. Have a plan for managing cyber incidents

- Decision making and reporting
- Prioritisation
- Communication - staff, users/citizens, partners, govt
- Who will support you?

3. Practice your plan, and repeat

- Tabletop scenarios and live exercising
- Engage the right people
- Take the lessons, amend your plan

**Cyber resilience doesn't end
with prevention....**

....and it's not just about your IT

localdigital.gov.uk/cybersurvey

For local councils in England



Cyber Support in numbers

34

Councils

£4.4m

Funding for
remediation work

79%

Remediation
actions started or
complete

Cyber Health Framework

To help English councils:

- Know there is a minimum level of cyber security to reach.
- Determine their own level of cyber security.
- Devise a path to build greater resilience.

GOV.UK Assess your cyber health Cyber Health Overview

PROTOTYPE This is a prototype to help inform a potential new service

Your Council Cyber Health Overview

Welcome to your overview page. Use this page to select which parts of the assessment you'd like to complete and to view your progress.

Important
You have 5 high risk threats [View risks](#)

Cyber progression levels

The three levels of cyber health progression to support continuous cyber improvement:

Level 1 0 / 57 controls met Achieves Cyber Essentials, Cyber Essentials +	Level 2 0 / 215 controls met Achieves PSN, PCI DSS, GDPR	Level 3 0 / 194 controls met Achieves ISO 27001, NIS-CAF
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Compliance demands

The compliance requirements that you can achieve through this self assessment:

PSN 0 / 100 controls met	NHS DSPT 0 / 11 controls met
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Looking ahead

Thank you!

Follow our progress

- Read our fortnightly sprint notes on [Medium](#)
- Follow LDCU on Twitter ([@LDgovUK](#))
- Subscribe to our [Cyber newsletter](#) for progress updates and news relevant to those working in and around local government cyber security
- We'll also be sharing regular updates on the [MHCLG Digital blog](#)

Have your say

We welcome input from councils in particular - if you'd like to share thoughts and evidence to inform our research please get in touch:

- Cyber Support: cybersupport@localdigital.gov.uk
- Cyber Health: cyberhealth@localdigital.gov.uk

Local council IT leads can complete the cyber security survey at:
localdigital.gov.uk/cybersurvey

