



Department for
Digital, Culture,
Media & Sport

Improving UK cyber resilience

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Resilience & Cyber4Good 2021

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The pandemic has made cyber security more challenging

Fewer businesses have up-to-date anti-virus software (down from 88% to 83%)

Half of businesses use personal devices for work, but only 18% have a cyber security policy for this

50% of UK firms have a technical cyber security skills gap

39% of businesses suffered a cyber breach or attack in the past 12 months



A global cyber power & a new national cyber strategy



“We will continue to defend the integrity of our nation against state threats and cyber attacks.

Our aim is the status of a science and tech superpower.”

Prime Minister - March 2021



The DCMS role in cyber security

- **Drive and shape UK and global standards**
- **Address the cyber security skills gap**
- **Develop, grow and export secure UK technology**
- **Ensure the right market incentives or regulations exist**



Improving cyber resilience to counter the current threat

Attacks on
**managed service
providers**

e.g. Microsoft
Exchange Server

Ransomware

E.g. local
authorities
(Hackney &
Redcar)

**Attacks on
critical
infrastructure**

Colonial Pipeline



Improving cyber resilience across the economy

FOUNDATIONS

Improving
adoption of
guidance,
information &
standards

CAPABILITIES

Expanding the
skilled
workforce

MARKET INCENTIVES

Consumer and
economic
drivers
(e.g. insurance,
procurers,
investors)

RESPONSIBILITY

Accountability:
improving
governance
and
management
of cyber risk



Building the cyber ecosystem: industry growth



The UK cyber security sector is worth £8.9bn in 2021, up 7% on last year





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Building the cyber ecosystem: cyber security skills

Pool



Profession



Public Sector



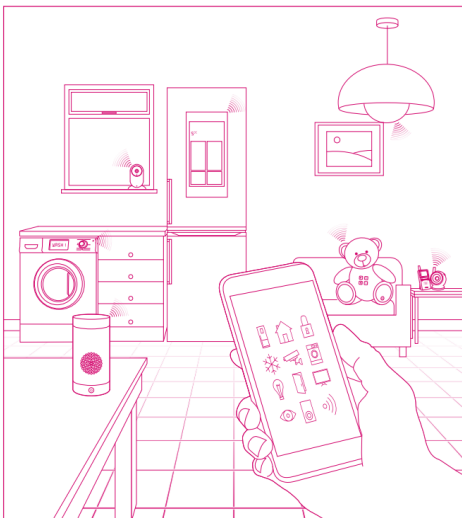
Government
Security
Profession



Technology: securing new and emerging tech



Code of Practice for Consumer IoT Security



Connected Places: Cyber Security Principles

Secure design, build and management
of public realm technology, infrastructure, and
data-rich environments for local authorities.