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The UK's National Cyber Security Strategy 2016 – 2021

Vision for 2021: The UK is secure and resilient to cyber threats, prosperous and confident in the digital world

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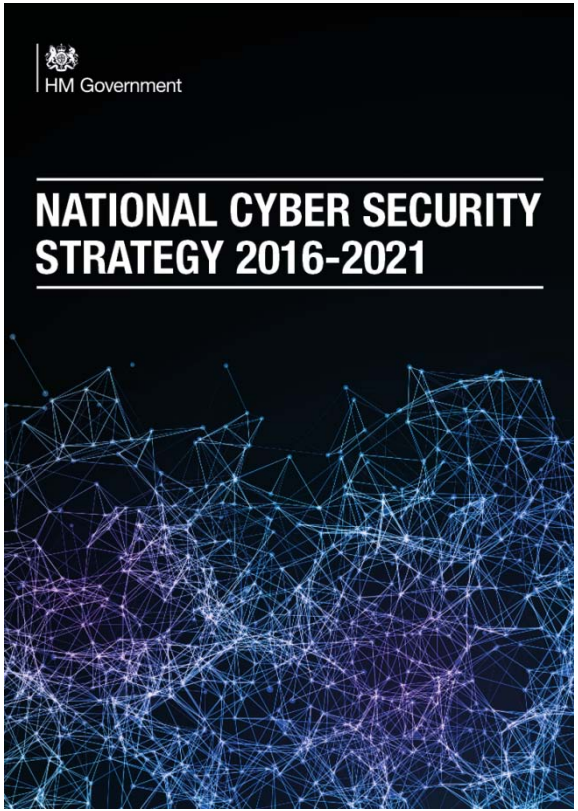
- **The National Security Strategy (2015)** identified cyber attacks as a top level National Security threat.
- The UK's new National Cyber Security Strategy was **published in November 2016.**
- The Strategy is **supported by £1.9 billion transformative investment**, almost double the amount invested in the previous five years.



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National Cyber Security Strategy 2016-2021: New approaches and significant elements

Our vision: we are secure and resilient to cyber threats, prosperous and confident in the digital world

DEFEND
against cyber threats

DETER
our adversaries

DEVELOP
our skills and capabilities

Supported by £1.9bn of transformative investment over 5 years and INTERNATIONAL partnerships

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Strategy: New approaches and significant elements (Why)

- The UK needs to keep pace with the changing and increasing threat
- Market forces are not driving the pace and scale of action needed in the short term
- The Government cyber landscape was too complex for stakeholders

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Strategy: New approaches and significant elements (What)

- **Simpler, better Government role:** Created the National Cyber Security Centre, part of GCHQ and the single point of advice in HMG on cyber security and world class incident management capabilities

- **Technical defences at scale:** Supporting industry to develop active cyber defence capabilities to automatically tackle phishing, block malicious domains and IP addresses, and disrupt malware attacks

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Strategy: New approaches and significant elements (What)

- **The right levers:** Ensuring we have the right regulatory framework in place to ensure organisations protect themselves from cyber attacks

- **Greater investment**: Increased funding for intelligence and law enforcement, closing the cyber skills gaps, supporting the UK's cyber security sector and making sure the public understands how to stay cyber safe

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Strategy: What hasn't changed?

Partnership

Working with the Devolved Administrations, all parts of the public sector, businesses, institutions, academia and citizens.

Responsibility

It is the responsibility all organisations to manage cyber security risks. Businesses and organisations must understand that, if they are the victim of a cyber attack, they are liable for the consequences.

Opportunity

The UK is a leading digital economy. We can be a world leader in cyber security with a innovative growing sector, and a sustainable, diverse cyber workforce.

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DEFEND

against cyber threats

- Active cyber defence measures implemented by industry, that automatically protect UK internet users from the vast majority of high-volume/ low –sophistication cyber-attacks.
- All new Government digital services will be ‘secure by default’
- Greater support to our CNI and other premium groups from the economy and society through the creation of the National Cyber Security Centre
- Better, more joined up incident management capability in the National Cyber Security Centre

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DETER
our adversaries

- Established offensive cyber capabilities that can be deployed at the time and place of our choosing
- Identify and disrupt terrorist cyber actors
- Continued, greater investment in law enforcement capability to tackle cybercrime

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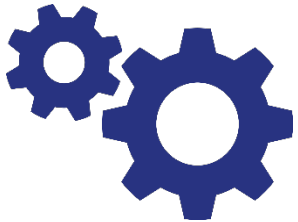

DEVELOP

our skills and capabilities

- Encourage an innovative, growing cyber security industry, underpinned by world leading scientific research and development
- Create a self-sustaining pipeline of talent providing the skills to meet our national needs across the public and private sectors
- Develop the cutting-edge analysis and expertise to enable the UK to meet and overcome future threats and challenges

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International Capacity Building

- Cyber security is a global challenge - international thread throughout the strategy.
- British Government has supported cyber security capacity building projects in the Commonwealth since 2013.
- Through our programme the CTO have developed the Commonwealth Cyber Governance Model (2014) and continue to help countries develop and implement cyber security strategies; work on combating cyber crime; and promote standards on information assurance.