

Building Towards a Secure Future

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Government
Security

Building towards a secure future

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Digital Government Expo 2024



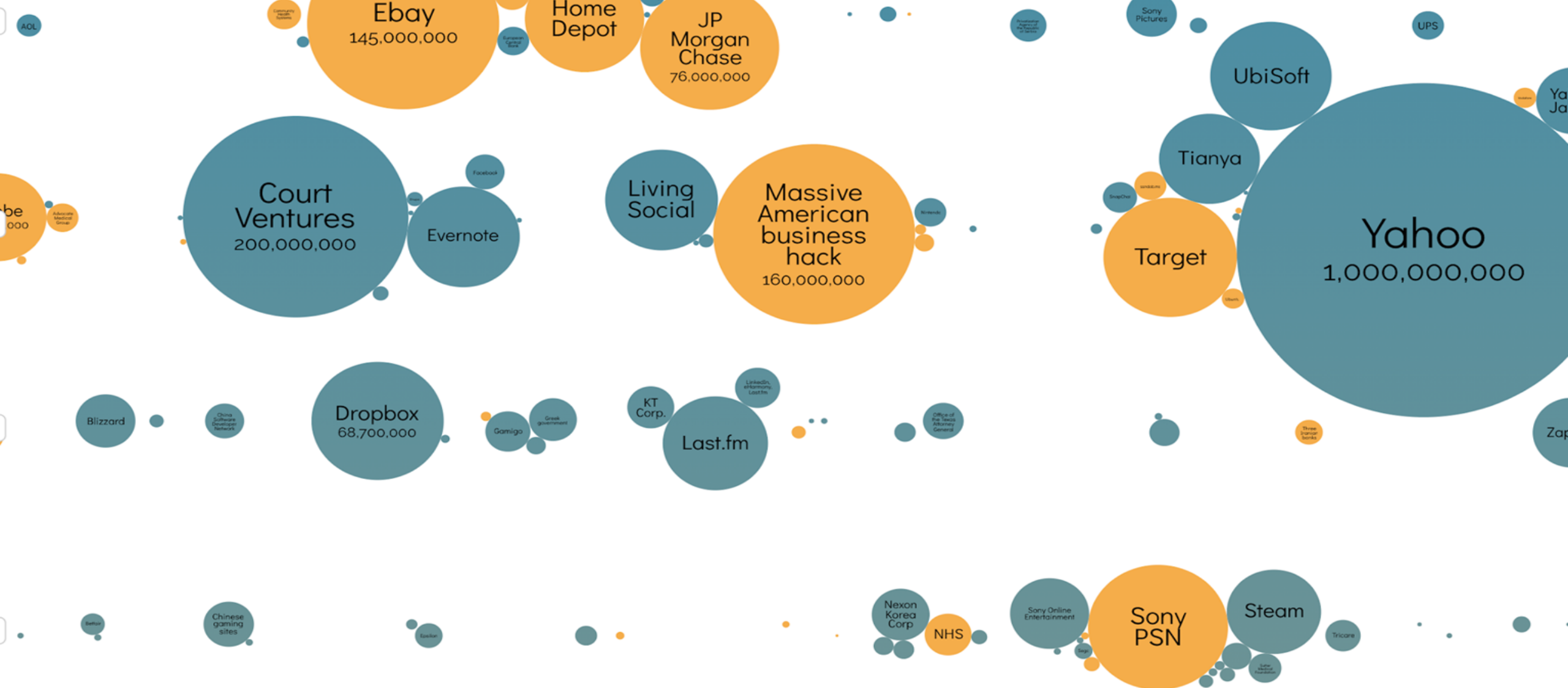
Welcome



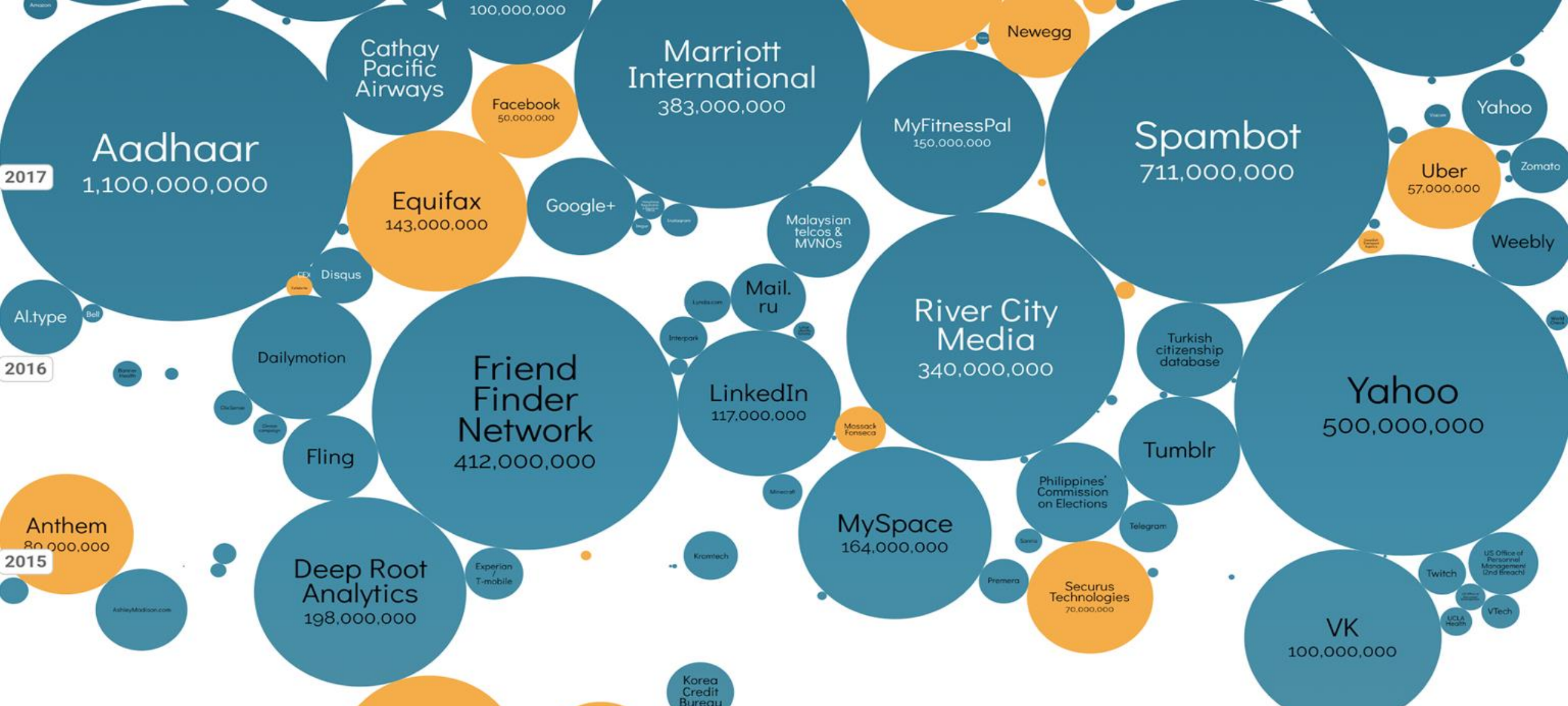
Some context – Why security matters



2006



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Georgia hit by massive cyber-attack

🕒 28 October 2019



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The TV channel Pirveli's website was one of those affected

FISSION ATTACK —

Indian nuclear power plant's network was hacked, officials confirm

After initial denial, company says report of "malware in system" is correct.

SEAN GALLAGHER - 10/30/2019, 3:25 PM



Bloomberg via Getty Images

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irveli.ge/index.html

A photograph of a man with dark hair, wearing a dark jacket over a light-colored shirt, smiling and giving a thumbs-up. He is holding a red and white flag that has the text "I'LL BE BACK" written on it in white capital letters. The background is dark and indistinct.

PIRVELI

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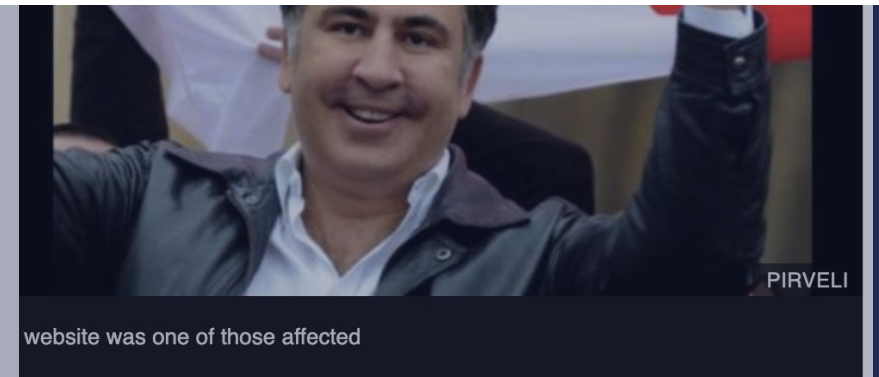
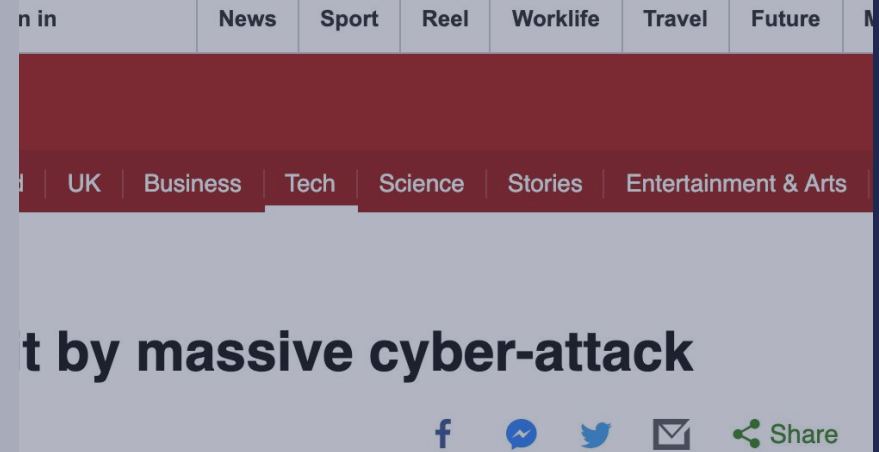
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National Security

Former Twitter employees charged with spying for Saudi Arabia by digging into the accounts of kingdom critics



website was one of those affected

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SEAN GALLA

Swedish authority handed over 'keys to the Kingdom' in IT security slip-up



File photo: Lise Åserud/NTB scanpix/TT

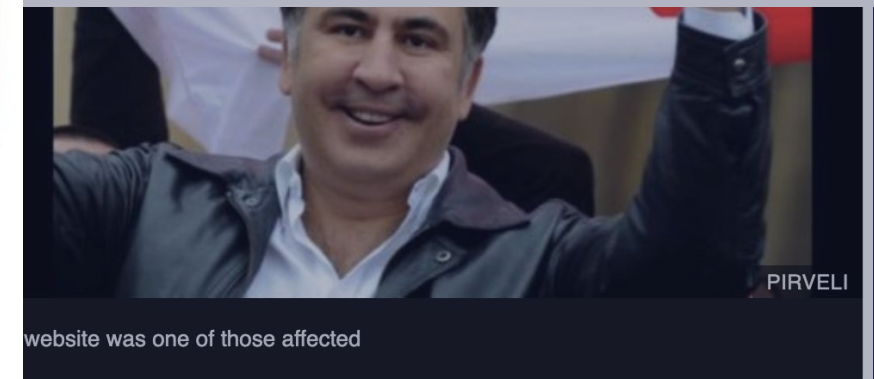
Criticism is mounting over IT security at Swedish government agencies after it emerged that millions of Swedes' driving licence data may have been leaked to other countries.

Bloomberg via Getty Images

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charged with spying for the accounts of



PIRVELI

website was one of those affected

Technology

U.S. Customs and Border Protection says photos of travelers were taken in a data breach



Bloomberg via Getty Images

File photo: Lise Åserud/NTB scanpix/TT

Criticism is mounting over IT security at Swedish government agencies after it emerged that millions of Swedes' driving licence data may have been leaked to other countries.

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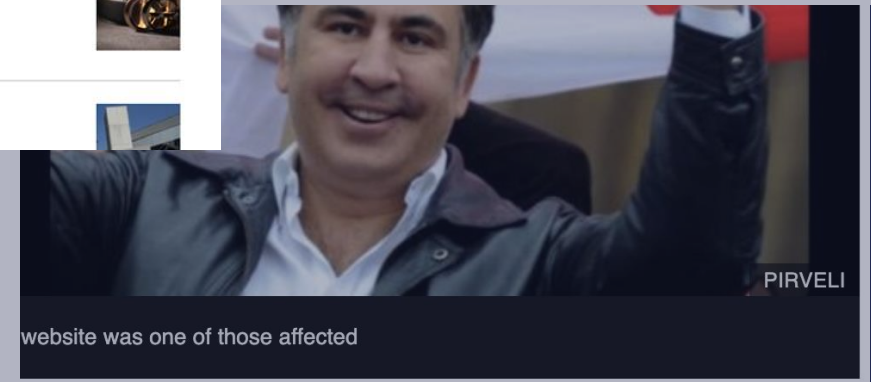
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TECHNOLOGY

APT33 has shifted targeting to industrial control systems software, Microsoft says

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TECHNOLOGY

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countries.

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69

Vulnerability



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Omer Gil
@omer_gil



Asi Greenholts
@TupleType

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Vulnerability



countries.

NHS confirms patient data stolen in cyber attack



King's College Hospital was one of the affected NHS trusts, along with St Thomas' and certain GP services

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Vulnerability



The threat is complex,
multifaceted and ever
evolving



How do we defend?



The Government Cyber Security Strategy

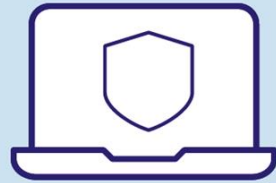
The Vision

To ensure that core government functions are resilient to cyber attack, strengthening the UK as a sovereign nation and cementing its authority as a democratic and responsible cyber power

The Aim

Government's critical functions to be significantly hardened to cyber attack by 2025, with all government organisations across the whole public sector being resilient to known vulnerabilities and attack methods no later than 2030.

The Government Cyber Security Strategy



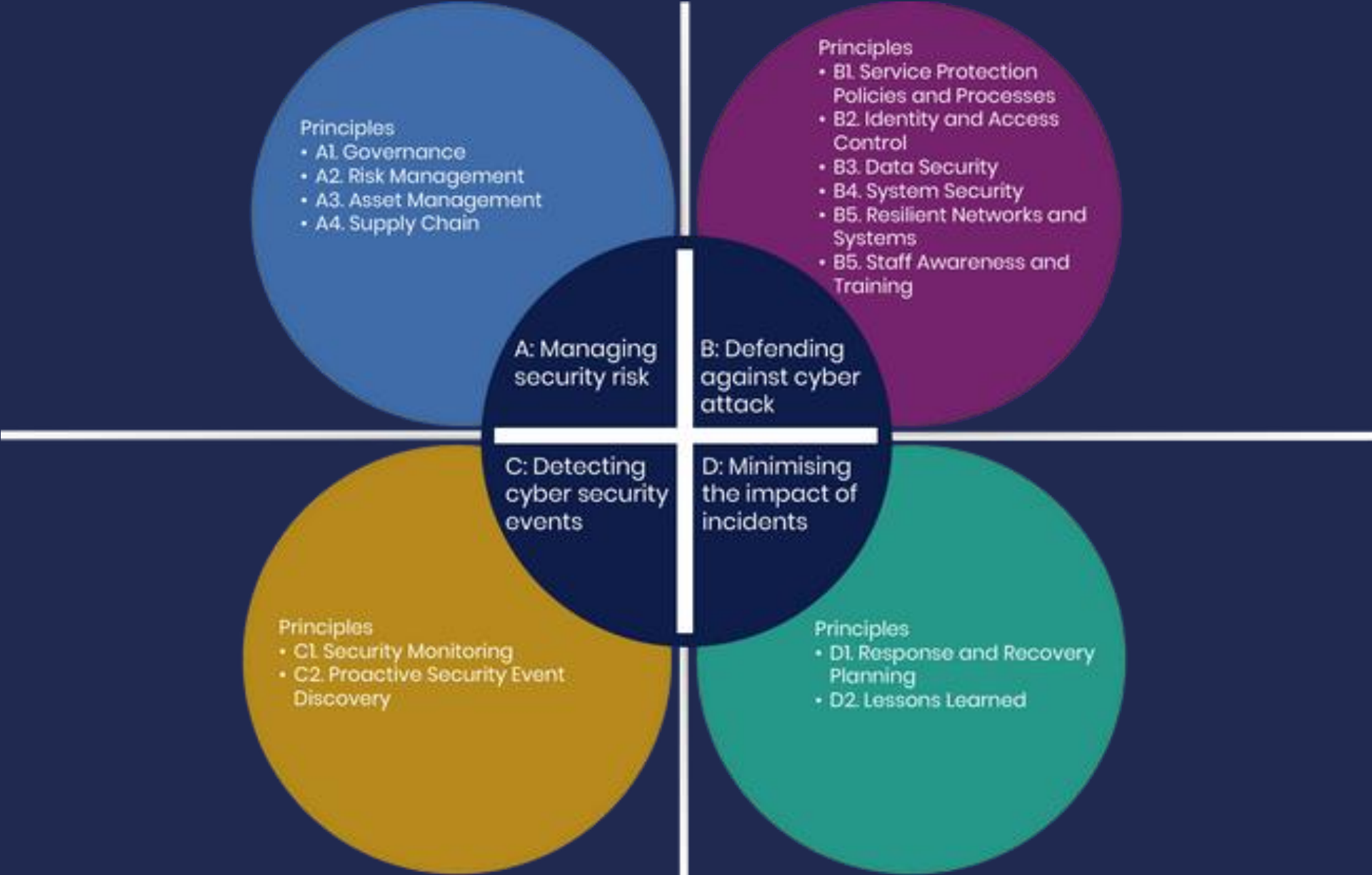
Pillar 1:
**Build organisational
cyber resilience**



Pillar 2:
'Defend as one'



GovAssure



More than just at the
center

Common languages,
problems and solutions



Secure by design

Risk driven activities

Clarity on roles and responsibilities

Practical guidance on achieving CAF
outcomes

And more, in the center
and in every department



Looking forward

Facing new challenges
like AI

We can't be “the
department of no”

AI as an enabler

AI as a security enabler

And it's not just AI

The future is already here, it's
just unevenly distributed

Make use of the tools you
have

Thank you and have a
great day