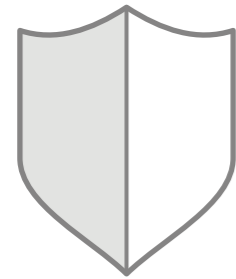


CYBER SECURITY SKILLS GAPS ACROSS UK BUSINESSES IN 2020

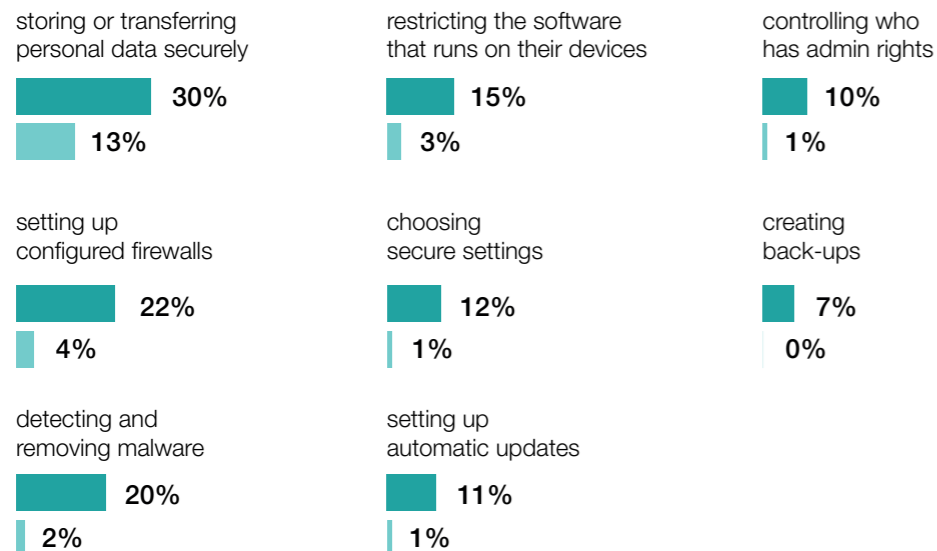
KEY: All UK businesses in 2020 | Large businesses (250+ staff) in 2020 | All UK businesses in 2018

BASIC TECHNICAL SKILLS



48%
(around **653,000 UK businesses**)
have a **BASIC** technical skills gap
(down 6 percentage points vs. 2018)

They are **NOT CONFIDENT** at performing at least one of the following basic technical tasks (and do not outsource them):

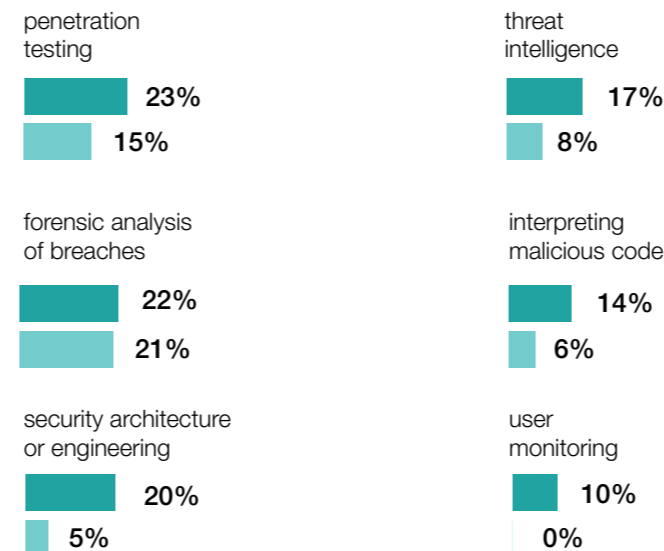


ADVANCED TECHNICAL SKILLS



30%
(around **408,000 UK businesses**)
have an **ADVANCED** technical skills gap
(similar to 2018)

They think at least one of the following technical tasks are important for their business, but are **NOT CONFIDENT** at performing them (and do not outsource them):



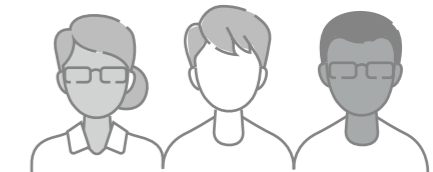
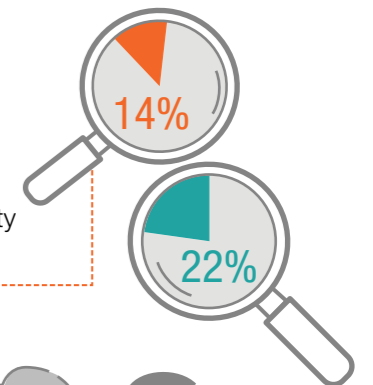
STAFFING AND TRAINING NEEDS



11%
24%

have cyber roles written into job descriptions

22% / 53%
have done a formal analysis of cyber security training needs
(up 8 percentage points vs. 2018)

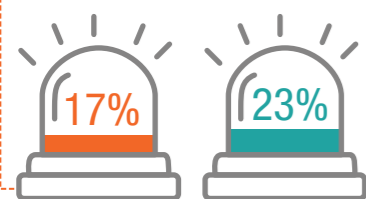


24% / 59%
have sent **staff in cyber roles** on relevant training in the last year

11% / 47%
have sent **wider staff** on cyber security training in the last year

INCIDENT RESPONSE

23% / 34%
consider **INCIDENT RESPONSE** skills essential for their business
(up 6 percentage points vs. 2018)



27% / 2%
are **NOT CONFIDENT** dealing with a breach and do not outsource this function

GOVERNANCE, REGULATION AND COMPLIANCE



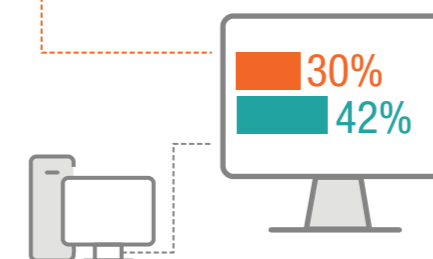
46%
29%
are **NOT CONFIDENT** carrying out cyber risk assessments

41% / 24%
are **NOT CONFIDENT** developing cyber policies



OUTSOURCING

42%
outsource to external cyber security providers
(up 12 percentage points vs. 2018)



40%
outsource any **BASIC** technical tasks

23%
outsource any **ADVANCED** technical tasks

36%
outsource **INCIDENT RESPONSE**

CYBER SECURITY SKILLS GAPS ACROSS UK BUSINESSES IN 2020

ABOUT THIS INFOGRAPHIC

The findings in this infographic come from the Understanding the Cyber Security Skills Labour Market 2020 study. This is a mixed-method study that Ipsos MORI has carried out on behalf of the Department for Digital, Culture, Media and Sport (DCMS).

The study includes a telephone survey of 1,046 UK businesses carried out from 7 August to 4 October 2019. Businesses of all sizes and sectors participated in the survey, except for sole traders and businesses in agriculture, forestry and fishing, who were ineligible. The data is weighted to be representative of the UK business population (excluding the ineligible groups). The sample of 1,046 incorporates 98 large businesses (with 250 or more employees).

The rest of the study involves:

- separate quantitative survey data for charities and public sector bodies
- a quantitative survey of cyber sector firms
- quantitative analysis of cyber security job vacancies
- qualitative research with large businesses, cyber sector firms and cyber security training providers

Trend data for UK businesses is taken from a comparable study for DCMS carried out in 2018. A [full findings](#) report and technical report have been published for both years on the GOV.UK website. The 2020 study is available at: <https://www.gov.uk/government/publications/cyber-security-skills-in-the-uk-labour-market-2020>