

STATE OF CYBERSECURITY 2018

Contours of the Skills Gap

ISACA's State of Cybersecurity 2018: Part 1: Workforce Development – Cybersecurity Workforce and Team Development research highlights contours of the skills gap as cybersecurity becomes an increasing focal point for enterprises besieged by a growing attack surface. Attracting and retaining sufficient cyber talent remains deeply problematic, in part because the industry is hampered by a shortage of technically skilled practitioners and an underrepresentation of women in the workforce. More than 2,300 cybersecurity and information security practitioners and managers from around the world provided their insights on these and other cybersecurity topics; to view the report, visit www.isaca.org/state-of-cybersecurity-2018.

DAUNTING LANDSCAPE



50% OF RESPONDENTS

Experienced an **increase** in **number** of cyberattacks from last year, compared to only **6%** who reported fewer attacks

4 IN 5

Indicated it was **likely** or **very likely** their enterprise experiences a cyberattack in 2018



54%

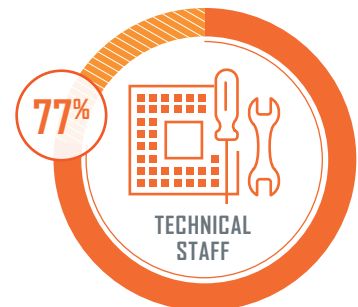
Respondents who say their organizations take **3 MONTHS OR MORE** to fill open positions



3 IN 5 ORGANIZATIONS have unfilled cybersecurity/information security positions

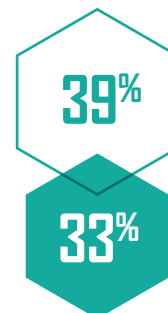
THE GAP EFFECT

WHERE IS THE GAP FELT MOST ACUTELY?



77% see most need for technical staff compared to **46%** for non-technical staff

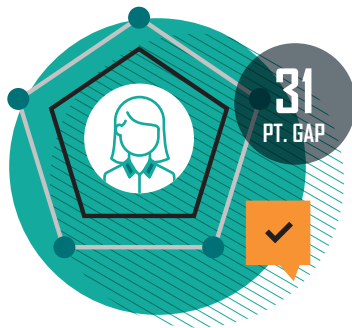
TOP TWO GAPS IN TODAY'S SECURITY PROFESSIONALS:



39% of respondents say inability to understand business needs

33% of respondents say technical skills

GENDER DISPARITY



82% of male respondents say men and women are offered the same opportunities for career advancement in cybersecurity, compared to **51% of female respondents**



51% of respondents say their organizations have **diversity programs in place** to support women cybersecurity professionals

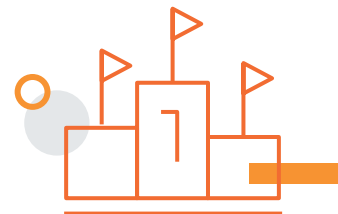


At organizations where a diversity program is in place, **87% of men** and **77% of women** say women are offered the same opportunities

THE PATH FORWARD



UPSWING IN INVESTMENT LEVELS:
64% indicated their security budgets would increase this year compared to **50% in 2017** and **61% in 2016**



BOARD ATTENTION:
69% say their organization's board has **adequately prioritized** information security

ALIGNING SECURITY STRATEGY WITH ORGANIZATIONAL OBJECTIVES:

