



A RESILIENT CYBER SECURITY PROFESSION

(ISC)² CYBER SECURITY
WORKFORCE STUDY, 2021

www.isc2.org/Research



About the (ISC)² Workforce Study

The (ISC)² Cyber security Workforce Study is conducted annually to assess the cyber security workforce supply and demand and to better understand the barriers facing the cyber security profession. Its findings also uncover solutions that enable individuals to excel in their profession, achieve their career goals, and better secure their organisations' critical assets.

AUSTRALIA INSIGHTS

▶ **134,690**

Estimated Total Number of
Cyber security Professionals
in Australia

▶ **25,000**

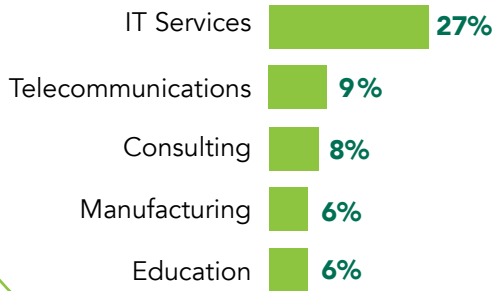
Estimated Current Shortage
of Cyber security
Professionals in Australia

Percentage of Australian Cyber security Professionals Within Different Areas of Practice

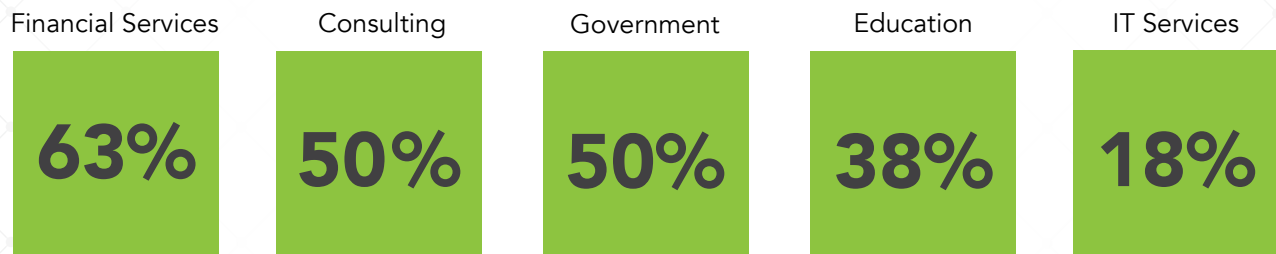
- 29%** Oversee and Govern
- 19%** Securely Provision
- 18%** Operate & Maintain
- 15%** Protect & Defend
- 6%** Analyse
- 4%** Investigate
- 3%** Collect and Operate

Respondents reported staffing shortages across all areas of practice

Top 5 Sectors Employing Australian Cyber security Professionals



Top 5 Sectors in Australia where Cyber security Certifications are Most Beneficial for Validating Staff Expertise and Confidence



Top 5 Areas for Skills Development among Australian Cyber security Professionals

(ISC)² IS LEADING THE CHARGE

Helping to Solve the Global Cyber security Workforce Shortage

- Launching an entry-level certification in 2022 to create opportunities for individuals without experience, and under-represented groups, to enter the profession
- Leading a new diversity, equity, and inclusion initiative which provides resources and guidance to help organisations enhance their talent pool, www.isc2.org/dei
- Creating opportunities for access to education through scholarships from the Center for Cyber Safety and Education, www.IAmCyberSafe.org
- Developing understanding of the needs and challenges of the profession through continued advocacy and research
- Advancing cyber security professionals' knowledge by offering award-winning continuing professional education resources



GLOBAL INSIGHTS

Global Demand for Cyber security Professionals Outpaces Supply

▶ **4.19 Million**

Estimated Total Number of Cyber security Professionals Around the World Today

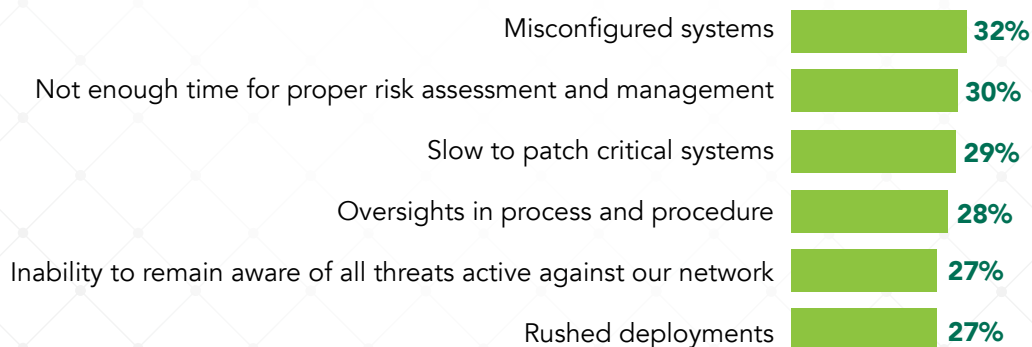
▶ **2.72 Million**

Estimated Current Global Shortage of Cyber security Professionals

Cyber security Workforce Shortage Creates Global Risks and Challenges

60% of study participants reported cyber security staffing shortages are placing their organisations at risk.

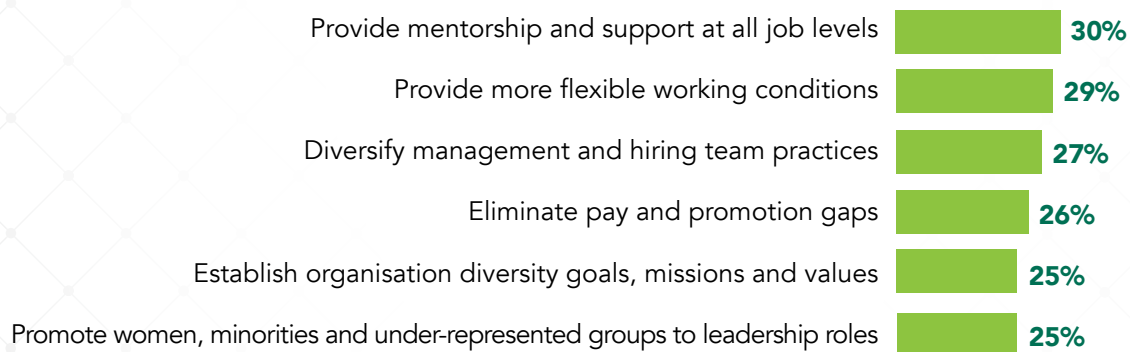
Cyber security Staffing Shortages Have a Range of Consequences which Increase the Risk of Cyber Incidents



THE CYBER SECURITY WORKFORCE NEEDS TO DIVERSIFY



Study Participants Provided Insights on How Cyber security Can Better Diversify



Leading Organisations are Prioritising Non-Technical Skills When Hiring

