# Position Details

## Technical Services- CSOF6

| THE FOLLOWING INFORMATION IS FOR APPLICANTS | |
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| **Advertised Job Title** | Cyber Security Architect |
| **Job Reference** | 100122 |
| **Tenure** | Indefinite, Full-time |
| **Salary Range** | AU$131,113 to AU$153,639 pa + up to 15.4% superannuation |
| **Location(s)** | Sydney (Lindfield), Melbourne (Clayton), Canberra (Black Mountain), Brisbane (St Lucia), Hobart (Sandy Bay), Adelaide (Waite) |
| **Applications are open to** | Australian Citizens Only |
| **Position reports to the** | Manager Cyber Security Resilience |
| **Client Focus – Internal** | 80% |
| **Client Focus – External** | 20% |
| **Number of Direct Reports** | 0 |
| **Enquire about this job** | Contact Jamie Rossato via email at Jamie.rossato@csiro.au |
| **How to apply** | Apply online at https://jobs.csiro.au/<br>Internal applicants please apply via **Jobs Central**<br>If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

### Acknowledgement of Country

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our vision towards reconciliation.

### Child Safety

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our Child Safe Policy.

### Role Overview

CSIRO is looking for a motivated security professional to join the Cyber Security Resilience team as Cyber Security Architect to provide security architecture and security advisory expertise to protect CSIRO’s valuable digital assets and reputation. The role will work closely with the multiple teams in securing designs/solutions through implementation of security controls, secure configuration, and helping to embed cyber security into team processes as well as integration into broader IMT (Information Management & Technology) security related functions.

The candidate will have experience across a range of industries and can provide practical security advice and quality deliverable outputs through positive collaborative engagement with key stakeholders. We are seeking an adaptable, analytical and a self-motivated candidate with solid security architecture experience, who will work well in a fast-paced and complex environment, whilst managing competing priorities under the direction of Cyber Resilience leadership.

## Duties and Key Result Areas:

- Provide general security guidance (e.g., initial discussions to support security activity project planning) across the cyber security architecture and assurance domains.
- Contribute to developing security business requirements aligned with CSIRO security objectives.
- Perform cyber security architecture activities to ensure that business security requirements are integrated into IMT initiatives and projects.
- Collaborate with solution architects, project team members and other stakeholders to ensure the delivery of secure outcomes.
- Participate in the review and assessment of planned solution security controls to assess their effectiveness and completeness.
- Contribute to conducting security risk assessments to evaluate solution security posture and identify key security risks with potential mitigation recommendations.
- Provide support to other team members within the Cyber Security Resilience team where required; and
- Contribute to other security deliverables as directed.

## Selection Criteria

### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. A diploma or degree in Information Technology (IT) (or related field) or equivalent relevant work experience.
2. Demonstrated experience as a Cyber Security Architect, with a track record of successful delivery of Information and Communication Technology (ICT) projects and/or solutions.
3. Familiarity with security frameworks and standards, such as the Australian Government Information Security Manual (ISM), Essential Eight (E8), and/or NIST Cyber Security Framework (CSF).
4. Proven experience in designing and implementing security solutions for both on-premises and cloud-based environments.
5. Demonstrated experience in the development of security requirements and conducting threat modelling, security risk assessments and risk analyses.
6. Demonstrated expertise across a variety of ICT technologies to guide and support architecture documentation (e.g. HLSDs, LLDs, etc) employing key cyber security technologies; and
7. Ability to multi-task and manage competing priorities.

### Desirable

1. Desirable to have experience in supporting multiple complex projects.
2. Desirable to have experience with the Protective Security Policy Framework (PSPF).
3. Desirable to have experience with Australian Cyber Security Centre (ACSC) security guidance, NIST SP guidelines, and Centre of Internet Security (CIS) benchmarks.
4. Desirable to understand the shared responsibility model in the cloud and/or on-premises.
5. Desirable to be familiar with Australian legislation including (but not limited to) the Privacy Act 1988 (Cth) and the Archives Act 1983 (Cth); and
6. Desirable to have relevant security industry certifications from certification bodies such as ISACA, ISC$^2$, SANS, PECB, SABSA Institute, The Open Group etc.

## Required Competencies

- **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other teams as well as industry colleagues.
- **Influence and Communication:** Identifies critical stakeholders and influences them via an influential third party, for example through an established network, to gain support for sometimes contentious, proposals/ideas.
- **Resource Management/Leadership:** Provides leadership that fosters an environment that encourages new ideas and provides support for the development of emerging skills. Creates trust by displaying consistency, understanding, integrity and patience. Plans, seeks, allocates and monitors resources to achieve outcomes.
- **Judgement and Problem Solving:** Anticipates and manages problems in ambiguous situations. Develops and selects an appropriate course of action and provides for contingencies. Evaluates, interprets and integrates complex bodies of information and draws logical conclusions, synthesises proposals and defends options with reasoned arguments.
- **Independence:** Assesses the risk and opportunity of identified strategies, options and actions. Overcomes problems and setbacks in achieving goals. Invariably includes consideration of value-added future impact on bottom line when determining the optimal and efficient use of resources.
- **Adaptability:** Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

## Special Requirements

Appointment to this role may be subject to conditions including provision of a national police check as well as other security/medical/character clearance requirements.

**Security Clearance: NV1 or higher**

This is a security assessed position. Applicants must be an Australian citizen, with successful candidate either holding or having the ability to obtain a Negative Vetting 1 Australian Government security clearance.

Note:

- CSIRO utilises the Australian Government Security Vetting Agency to conduct its security clearances. Further information regarding security clearances may be found at https://www1.defence.gov.au/security/clearances
- The Commonwealth requires all Specified Personnel to undergo Work, Health and Safety and Security Awareness training. Training must be undertaken upon commencement and be completed before the commencement of any work. Training is by means of an online courses and questionnaires that can be undertaken at Commonwealth premises.

**Referee Requirements**

Candidates must provide a minimum of 2 referees. Referee checks will only be performed for candidates shortlisted for interview.

## About CSIRO

We solve the greatest challenges through innovative science and technology. Visit CSIRO Online for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

- People First
- Further Together
- Making it Real
- Trusted