# Position Description

## Technical Services – CSOF6

The following information is for applicants

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| Advertised Job Title**:** | Technical Leader (Cloud Platforms) – 2 positions available |
| Job Reference: | 62004 |
| Relocation Assistance**:** | Will be provided to the successful candidates if required |
| Applications Are Open To: | Australian Citizens Only |
| Percentage of Client Focus - Internal: | 80% |
| Percentage of Client Focus - External: | 20% |
| Reports to the: | Team Lead (Cloud Platforms) |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries: | Brendan SpeetEmail: brendan.speet@csiro.auPhone: 07 47538514 |
| Contact Details For Applying: | Call 1300 984 220 or email careers.online@csiro.au |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon  |

## Role Overview:

CSIRO is seeking 2 Technical Leaders (Cloud Platforms) to join a new team that will design and build managed cloud services that will support CSIRO’s research and enterprise needs at scale for both internal and public facing platforms across multiple providers.

The roles will assist in designing the automated provisioning, monitoring, billing, secrets management, security and management of cloud accounts and resources across multiple cloud vendors including existing internal platforms. The roles will also provide guidance to the business and mentoring team members around architecting secure, scalable cost-efficient solutions.

The successful candidates will be working in an agile cross functional team and be required to work very closely with solutions architects to contribute to and validate designs. The positions will provide the opportunity to continually learn new things and to work with and mentor a highly skilled and diverse team. The Technical Leaders will play a key part in delivering the next generation of our compute capability.

**Security Clearance**: These are security assessed positions and the successful applicants will be required to obtain and maintain a security clearance of NV1 (SECRET).

## Duties and Key Result Areas:

* Take ownership of the security and quality in everything we implement.
* Contribute to the design and implementation of the CI/CD strategy for the team.
* Design, develop and continually improve a full IAC pipeline for the automated delivery of cloud resources.
* Develop centralised monitoring and reporting solutions for security, network, resource utilisations, application performance and billing requirements;
* Form close relationships with business units to provide architectural guidance and continually improve service delivery.
* Develop training material and workshops for end users to better consume the services we deliver.
* Troubleshoot including hosting-related debugging and performance bottleneck investigation, cost issues, manage system growth and resource planning;
* Proactively ­ manage system security, build and rollout in-depth embedded security, and participate in security assessments and auditing;
* Provide technical advice that is aligned with overall solution designs, architecture and frameworks for platform delivery;
* Contribute to the development of the group’s service standards, procedures and service improvements;
* Contribute positively to stimulate and promote a team approach; develop sound working and knowledge sharing relationships within the team and all technical teams across the business;
* Build and foster a professional and friendly relationship with business owners, stakeholders and end users;
* Co-ordinate and produce relevant systems documentation;
* Co-ordinate and participate in service restoration including disaster recovery activities as required;
* Keep management and other team members informed of progress and issues;
* Complete assigned support tasks as specified by due dates;
* Get to know the clients’ business, negotiate work requirements with clients, and be instrumental in ensuring that their needs are met, by acting as a trusted advisor, demonstrating creativity in determining and anticipating client needs, and identifying and adapting quickly to changes in client’s needs and market changes.
* Take responsibility for effective team performance including the development of team members.
* Utilise specialist expertise and make innovative contributions to the development of techniques or processes with significant impact on research within a discipline.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals;
* Other duties as directed.

## CSIRO Competencies:

1. **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.
2. **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.
3. **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.
4. **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.
5. **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.
6. **Adaptability:**Demonstrates flexibility in thinking and adapts to and manages the increasing rate of organisational change by adjusting strategies, goals and priorities.

## Selection Criteria:

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

1. A tertiary qualification or vendor certification in a relevant technical subject or equivalent relevant experience.
2. Senior level experience as a Solution Architect or Cloud Architect on AWS, GCP or Azure.
3. Strong experience with infrastructure as code: design and security, secrets management, configuration management, integration, deployment, performance and security monitoring, tuning and billing.
4. Exposure to large scalable high volume/traffic/distributed systems.
5. Experience documenting platforms or processes from a technical and non-technical perspective including design documentation.
6. Excellent communication and interpersonal skills, both oral and written.

## Desirable Criteria:

1. Experience with the implementation and management of multiple cloud platforms using Hashicorp Stack.
2. Background in networking and software development.
3. Experience in automation and implementing CI/CD/CT pipelines.
4. Experience with container technologies.
5. Strong knowledge in secrets management and authentication patterns (MFA).
6. Experience with the automation of vmware and openstack.
7. Experience deploying systems inside government agencies or industry clients.

## Special Requirements:

These are security assessed positions and successful applicants will be required to obtain and maintain a security clearance at Negative Vetting 1(NV1) level.

To obtain an Australian Government security clearance you must be an Australian Citizen. Applicants seeking sponsorship or who only hold residency status will not be considered.

## About CSIRO:

We imagine. We collaborate. We innovate. To find out more visit us [online](http://www.csiro.au/)!

Find out more about the CSIRO [Information Management & Technology](https://my.csiro.au/orginfo/structure/support/imt)