# Position Details

## Technical Services- CSOF6

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| The following information is for applicants |
| Advertised Job Title | Data Storage and Protection Technical Leader |
| Job Reference | 68737 |
| Tenure | Indefinite |
| Salary Range | AU$113,338 to AU$132,811 p.a. plus up to 15.4% superannuation |
| Location(s) | Canberra, Melbourne, Sydney, Brisbane, Adelaide, Hobart or Perth.  |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian Citizens Only  |
| Position reports to the | Team Leader Data Storage & Protection, Scientific Computing Platforms |
| Client Focus – Internal | 95% |
| Client Focus – External | 5% |
| Enquire about this job | Contact Joseph Antony via email at joseph.antony@csiro.au or phone +61 2 6124 1421 |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

### Role Overview

The Commonwealth Scientific and Industrial Research Organisation (CSIRO) is Australia’s largest scientific research organisation and one of the largest and most diverse scientific organisations in the world. CSIRO’s work touches every aspect of Australian life: from the molecules that build life to the molecules in space. Working from sites across the nation and around the globe, CSIRO’s 5,500 staff are focused on providing new ways to improve the quality of life, as well as the economic and social performance of several industry sectors through research and development.

The Data Storage & Protection Technical Leader within Scientific Computing Platforms is a domain leader with a high level of technical knowledge within the Information Management & Technology (IMT) function.

As a technical leader, this role applies specific domain knowledge and systems design skills in support of a line of business (or service) provided by Scientific Computing Platforms. They are a domain expert with extensive experience in the implementation and sustainment of scientific computing and enterprise platforms. As a domain expert this role leads day to day administration of services and team mentorship through technical direction, and generally acts as the point of coordination for escalation of service incidents and triaging problems.

As a senior technical role within Scientific Computing Platforms this position is expected to work closely with the other Leaders within the group and with the Executive Manager, as well as to assist with the mentoring and development of the team members technical skills. This Data Storage & Protection Technical Leader role supports the roadmap, budget, and project planning plus the identification of operational initiatives and service improvement in support of the Team Leader.

This role provides input to IMT strategic and operational plans and liaises directly with other areas of the CSIRO business through targeted engagement and daily service delivery to ensure that IMT services are effectively delivered and maintained to support CSIRO strategy. The Data Storage & Protection Technical Leader will build strong networked relationships with stakeholders across the organisation to ensure that IMT services accurately and efficiently respond and deliver services that most appropriately enable the core science and enterprise business of CSIRO.

The Data Storage & Protection Technical Leader will provide highly skilled industry applied knowledge ensuring that service implementation is achieved through systems planning, configuration, testing and interoperability of the solutions; and ensuring the platforms/services are professionally managed to support CSIRO in a challenging and dynamic environment.

**Duties and Key Result Areas:**

* Support the Data Storage and Protection Team Leader in delivering the services of Data Storage and Protection and be able to step into the leadership role as required.
* Manage the technical aspects of data storage and protection including being responsible for technical roadmaps and service maturity, allocating and managing technical resources, the training, and skills adoption in line with CSIRO strategy and technology changes.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed team, to carry out tasks autonomously in support of IMT services to reach objectives.
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Maintain hardware and software used for running a diverse storage infrastructure inclusive of Life Cycle Refresh, and manage license renewals in line with expectations of the Data Storage and Protection Team Leader.
* Evaluation of technical platforms that support the delivery of storage and the protection of that data stored on these systems.
* Working with Scientific Computing’s Tech Solutions team to aid and meet end-user science objectives.
* Self Service capability where possible for storage and data retrieval.
* Life Cycle Management storage and related services.
* Monitoring of Hardware for performance and uptime.
* Contribute to infrastructure remediation activities and future technology exploration.
* 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 required.

## **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.

## **Selection Criteria**

#### Essential

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

1. Strong technical skills with experience running a geographically distributed storage system in the Petabyte scale inclusive of data availability, protection and retention.
2. A good understanding of parallel file systems in a High-Performance Computing research environment.
3. Experience with crafting monitoring and metrics for service delivery monitoring and incidence response.
4. The ability to contribute novel ideas and approaches and work effectively as part of a multi-disciplinary, regionally dispersed team, carrying out tasks autonomously in support of scientific research and enterprise functions.
5. Experience with developing and documenting infrastructure plans, systems designs and service roadmaps 3-5 year planning.

## **Desirable**

1. Good understanding of geographically distributed Object Storage Technologies for archival and active archive use-cases. Understanding of single namespace technologies and the application across a geographically distributed organisation.
2. Demonstrate an understanding and use of DevSecOps for storage environments, familiarity with CI/CD, Ansible, K8. Use of Python/Jupyter of data analytics and retrieval of/processing-of metrics from data-lakes/ELK.
3. Experience of system administration in a scientific environment.

Special Requirements

To be eligible for this position you must be willing and able to obtain a Negative Vetting 1 security clearance.

## **About CSIRO:**

We solve the greatest challenges through innovative science and technology. To find out more visit us [online](http://www.csiro.au/)!

CSIRO is a values-based organisation. We expect our employees to demonstrate behaviours aligned to our values of:

• People First

• Further Together

• Making it Real

• Trusted