# Position Details

## Technical Services- CSOF6

|  |
| --- |
| The following information is for applicants |
| Advertised Job Title | Team Leader – High Performance Computing |
| Job Reference | 73067 |
| Tenure | Indefinite, full time |
| Salary Range | AU$113k to AU$132k per annum, plus up to 15.4% superannuation (Market competitive salary may be negotiated) |
| Location(s) | Perth, Canberra, Adelaide, Melbourne, Brisbane, Sydney or Hobart (Negotiable) |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | Australian Citizens Only  |
| Position reports to the | Executive Manager | Scientific Computing Platforms |
| Client Focus – Internal | 95% |
| Client Focus – External | 5% |
| Number of Direct Reports | 6 |
| Enquire about this job | Garry Swan via email Garry.Swan@csiro.au or telephone 02 6246 5970 |
| 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 Team Leader – High Performance Computing (HPC) applies specific domain knowledge and team management skills in support of HPC services provided by Scientific Computing Platforms. As domain experts the role leads day-to-day administration of services and team, and generally act as the point of coordination for escalation of service incidents and problems.

The position works closely with peers in Systems, Storage and Data Protection, Technical Floor Space, Cloud, as well as the Executive Manager, and undertakes the mentoring and development of team members. To assist with delivery of the function, resources such as project managers, business analysis, and technical writers, are available to support the Team Leader - HPC.

**Duties and Key Result Areas:**

Mission:

* Deliver platforms for the delivery of HPC services that will support the mission of CSIRO research.

Objectives:

* Reliable, timely and cost-efficient service delivery driven through the collection of metrics and analytics of usage patterns and system behaviours.
* Delivery of inherently secure platforms through SecDevOps Infrastructure as code methods working closely with IMT Security and guided by the Australian Government Information Security Manual.
* Deliver customer centric designed services driven by client requirements.

Duties:

* Manage and lead the HPC Team including being responsible for strategic and operational plans for the service, allocating and managing resources, and the training, career development, and skills adoption in line with CSIRO strategy and technology changes.
* Manage the roadmap, budget, and project planning, and identify operational initiatives and service improvement opportunities for HPC services and across the Scientific Computing Platform’s set of services.
* Build strong networked relationships with stakeholders to ensure IMT services that best enable the core science and functional business of CSIRO*.*
* Provide highly skilled industry applied knowledge ensuring that service implementation is achieved through team 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.
* Drive CSIRO’s HPC platform direction and directly manage the capex and opex investment roadmap for HPC systems and services that support CSIRO’s research.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed team, to carry out tasks autonomously in support of IMT services and 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.
* Monitor hardware and software used for running a HPC system inclusive of life cycle refresh, maintenance, and license renewals.
* Automate node and app deployment across the HPC set of services.
* Ensure maximum uptime through rolling update methods and minimising whole of system outages through detailed planning and execution of outage windows.
* Life cycle management of HPC clusters and associated supporting hardware through preparing tenders and panel procurement activities.
* Monitor hardware and services for performance and uptime.
* Contribute to infrastructure remediation activities and future technology exploration influencing roadmap decisions and effectively communicating those decisions across customer and IMT Teams.
* 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. A degree in information management or equivalent discipline, or a minimum of approximately 5 years of experience managing a highly technical information technology team.
2. Proven ability to liaise directly with multiple areas of a large business through targeted engagement to ensure effective delivery of services.
3. A strong customer focus and a history of building strong networked relationships with key stakeholders.
4. Strong management skills with proven experience successfully leading a multi-disciplinary, regionally dispersed team.
5. Significant experience negotiating and preparing documentation associated with the procurement of large scale HPC systems.
6. Demonstrated experience delivering services to research projects utilising HPC infrastructures.
7. Demonstrated experience working with other HPC centres to enable utilisation of facilities to deliver project needs.
8. Demonstrated ability & willingness to contribute novel ideas and approaches in support of scientific research.

## **Desirable**

1. Good understanding of container technologies and the supporting technologies.
2. Experience of system administration in a scientific environment.
3. Experience with developing and documenting infrastructure plans, systems designs and service roadmaps 3-5 year planning.
4. Demonstrated experience with one or more HPC management technologies.

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 [CSIRO online](http://www.csiro.au/)

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

1. People First
2. Further Together
3. Making it Real
4. Trusted