# Position Description

## Technical Services – CSOF5

The following information is for applicants

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| Advertised Job Title**:** | 2 Data Automation Specialist |
| Job Reference: | 59502 |
| Applications Are Open To: | Australian Citizens Only |
| Reports to the: | IT Manager |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries: | **Joseph Antony** via email [Joseph.Antony@csiro.au](mailto:Joseph.Antony@csiro.au) |
| Contact Details For Applying: | Call 1300 984 220 or email [careers.online@csiro.au](mailto: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:

The Scientific Computing group within the Information Management & Technology function provides end-to-end infrastructure ranging from generic corporate IT systems through to leading edge High Performance data processing tools and platforms. The teams manage over 30PB of data at a compounded annual growth rate of ~75%, and a proportionate computational and network fabric including several Top500 supercomputers, HPC Cloud and a highly versatile and robust corporate hosting platform. Additional services include advanced visualisation, Data Processing, application support, and software delivery. The capability is highly customer focussed and operates closely in partnership with all areas of CSIRO research.

The role of a Data Automation Specialist is currently open within CSIRO IM&T. Two positions are available and will be based in any capital city in Australia. These positions are part of the Data Team, Scientific Computing in IM&T, and are part of a small group responsible for continuing support and maintenance of CSIRO enterprise storage equipment.

Technical Staff at this level are responsible for the contribution to the data movement and automation architecture and design. They are required to coordinate and deliver functional technical solutions and contribute to development, implementation and standardisation of storage initiatives, procedures and techniques. The Technical staff have responsibility for the quality of the service delivered and substantially contribute on decisions related to matters within the scope of their expertise

The Data Automation Specialists have proven experience and capability in coordination and delivery of solutions and services that support CSIRO’s strategic and operational objectives. They demonstrate initiative and independence and as a specialised advisor to the business and IM&T.

The roles are responsible for the quality of service delivered to clients, and make significant contribution to service direction and in the application of adaptive and innovative solutions to complex and ambiguous issues across one or more service or technical streams. The Technical staff gain support of key stakeholders and are able to integrate business requirements with IM&T technical solutions in order to achieve organisational objectives.

## Duties and Key Result Areas:

* Provide expert technical advice relating to:
  + Automating the movement of data,
  + Automation of data movement infrastructure and integrated technology services,
  + The standards and procedures to team members, management and business owners.
* Design, develop, test and deliver the capabilities of the infrastructure.
* Communicate effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work as part of a multi-disciplinary, often regionally dispersed research team, to carry out tasks autonomously in support of scientific research.
* Work collaboratively with colleagues within your team, the business unit and across CSIRO, to reach objectives.
* Set-up and/or maintain effective and efficient work teams, allocate and manage resources and undertake staff performance management and career development.
* Choose appropriate management strategies and communication styles to maintain high levels of motivation and productivity, giving feedback for development purposes and providing support for improvement.
* Adapt and/or develop original techniques/procedures/equipment/ concepts/ideas in support of existing and further research.
* 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:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others reactions.
3. **Resource Management/Leadership:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
4. **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
5. **Independence:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
6. **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

## Selection Criteria:

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

***Pre-Requisites:***

1. 5+ years experience in technical disciplines specific to Data administrationand associated technologies.
2. Relevant tertiary qualifications in IT or related discipline or equivalent relevant work experience.

***Essential Criteria:***

1. Demonstrated experience in the design, implementation, operation, and tuning of solutions that facilitate data movement at scale.
2. Demonstrated ability to provide technical support working with team members, management and clients including the development of new ideas to continually improve processes and leverage new technologies.
3. Excellent communication skills, including an ability to work collaboratively across multi-disciplinary teams.
4. Practical knowledge and proficient troubleshooting skills in relation to automated infrastructure technologies.
5. The ability to work effectively as part of a multi-disciplinary, regionally dispersed research team, and carry out tasks autonomously in support of scientific research.
6. Demonstrated ability & willingness to contribute novel ideas and approaches in support of scientific investigations.

**Desirable Criteria:**

1. Experience working on very large research data set transformations.
2. Experience configuring and administering OpenStack using tools such as Ansible and Puppet.

## Special Requirements:

**Security Clearance:** These are security assessed positions and successful applicants will be required to obtain and maintain a security clearance.

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Find out more about the CSIRO [Information & Technology](https://www.csiro.au/en/Research/Technology)