

Position Description

Solution Architect – Cloud, Infrastructure & Networks

Position No:	50148621
Business Unit:	Chief Operating Officer
Division:	Information Services
Department:	Digital Strategy and Engagement
Classification Level:	HEO10
Employment Type:	Full-Time, Continuing
Campus Location:	Bundoora
Other Benefits:	http://www.latrobe.edu.au/jobs/working/benefits

Further information about:

La Trobe University - <http://www.latrobe.edu.au/about>

Position Context/Purpose

"As trusted digital thought leaders we connect and enable the University Community to advance learning, teaching and research"

With the University Community at the centre of everything we do, Information Services (IS) is focused on creating and sustaining an innovative information technology culture as one dynamic team. IS consistently engages with our customers delivering value through service performance, continuous improvement and transformational project based outcomes. The La Trobe Cultural Qualities of being innovative, accountable, connected and caring are fundamental to engaging and empowering our people.

The Architecture and Strategy team, residing within Information Services (IS), supports the delivery of La Trobe's Strategic Plan by defining the IS strategy and business reference architecture necessary to achieve the goals and objectives of the University. The office provides IS blueprints, policies and best practice for the use and implementation of information technology and information management across the University. Architecture and Strategy develops roadmaps to move from current state capability to future state and establishes the blueprints and patterns that assist to underpin the university operating model and drive transformation. Architecture and Strategy is responsible for facilitating technology innovation, and enterprise, application, data, information and infrastructure architecture, along with design, development and maintenance of integration services.

The Solution Architect - Cloud, Infrastructure & Networks is responsible for designing and managing the University's on-premise and cloud infrastructure, platforms, security, and network architecture. This role establishes standards and patterns, promotes cloud adoption, infrastructure optimisation, and ensures robust network security. By enforcing architecture principles and best practices, it ensures seamless integration, scalability, and reliability of all infrastructure services, providing secure and efficient solutions to meet the University's current and future needs.

Whilst the architect positions do not have any direct reports, they are senior positions within IS and will lead and mentor the broader IS team.

Duties at this level will include:

- Bring a multi-perspective understanding to the development, carriage, marketing and implementation of new policies; devise new ways of adapting the organisation's strategies to new, including externally generated, demands.
- Lead development of strategies and plans, which supports and takes forward University strategy.
- Be responsible for the achievement of significant organisational objectives and programs.
- Performs tasks requiring the conceptualisation, development, review and accountability for the operation of major professional, management or administrative policies at the corporate level.
- Take into account the views and interests of others, carry prime responsibility (that is, be the catalyst or driving force) for the development or significant amendment of policies or systems which will impact across the University.
- Review performance & services in the area of responsibility and compares it to best practice elsewhere, identifying areas of improvement in structure, practices, policies and technology which may result in change that may also impact on other areas of the University's operations.
- Develop and review major policies, objectives, programs or strategies involving high level liaison with internal and external stakeholders, including framing relevant internal consultation and negotiation strategies.
- Responsible for programs involving major change which may impact on other areas of the institution's operations.

- To develop network architecture and design, across the University, covering Network Core, Network Access, Software Defined Networking (Cisco SD-Access, ACI & DNA) and Telephony engineering, to support high-quality outcomes.
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Essential Criteria

Skills and knowledge required for the position

- Demonstrated experience and expertise in the management of significant human and material resources, or postgraduate qualifications and extensive relevant experience, or experience and expertise in the provision of strategic policy advice affecting the direction of the University, or an equivalent alternate combination of relevant knowledge, training and/or experience.
- Demonstrated high level of theoretical and applied knowledge in professional area of expertise.
- Excellent interpersonal skills and demonstrated experience in liaising with staff at all levels of an organisation, negotiating effective outcomes, consultation and facilitation of group discussions.
- Proven ability to deal with concepts, decisions and complex information or situations in an efficient and effective manner. Capable, agile, flexible and patient with process, and the ideas of others.
- Proven record of developing innovative solutions and practical implementations for strategic change.
- Strong leadership skills including the ability to negotiate, motivate, influence and build relationships.
- Highly developed knowledge of the principles, theory and practice of the area of responsibility and an awareness of broader developments relevant to the University.
- Awareness of likely effect of change in economic, social and governmental and technological environment.
- Awareness and understanding of the activities, objectives and strategic direction of the University, both current and future, in a global context.
- Bachelor's degree in a related field, such as computer science, information science, or business management
- 7+ years of experience as an Infrastructure architect (on-premises & cloud) or in a related role.
- Proven experience in VMware virtualization platforms, including VMware vSphere for server consolidation, network virtualization, and workload management.
- Proven experience in designing scalable, high-performance infrastructure with a strong emphasis on network and cyber security solutions.
- Proven experience in implementing solutions leveraging data backup, recovery, and disaster recovery strategies.
- Knowledge in creating datacentre roadmaps and cloud migration plans.
- Strong knowledge in cloud infrastructure concepts and hybrid cloud architectures, with experience integrating on-premises and cloud environments for seamless service delivery and scalability.
- Strong knowledge in network security principles and best practices, including identity and access management, intrusion detection, and data protection.
- Strong knowledge in designing, implementing, and managing enterprise network solutions, with a specific focus on Cisco technologies, including Cisco SD-Access, ACI & ISE.
- Strong knowledge in cloud infrastructure (AWS or Azure) and associated technologies. Experience with DevSecOps and Infrastructure as Code (IaC) toolchain is advantageous.
- Ability to design and implement automation workflows for provisioning, configuration, and management of cloud, network and security resources.

- Proficiency in deploying and managing containerized applications (e.g., **Docker, Podman**) for efficient resource utilisation and application portability.
- Strong knowledge in network security principles and best practices, including identity and access management, intrusion detection, and data protection.
- Familiarity in Linux system administration, including security hardening, troubleshooting, and performance optimization.
- Microsoft Azure and/or AWS Solution Architect certification is desired.
- Experience with design tools such as Enterprise Architecture frameworks (e.g. TOGAF, Zachman)
- Excellent problem-solving and communication skills
- Experience working in higher education or a large, complex organisation is a plus

Capabilities required to be successful in the position

- Demonstrated commitment to reflective practice and self-development, identifying and challenging own biases, responding to others with empathy and evaluating the way own behaviour impacts team culture and performance.
- Ability to work collaboratively across functions, tailor communication in a way that is meaningful to the audience and contribute to a safe, inclusive, high-performing culture – consistently modelling accountability, connectedness, innovation and care.
- Demonstrated creative, critical and systems thinking – generating ideas and recommending solutions to local and organisational problems.
- Ability to operationalise strategy, adapt quickly to disruption and actively contribute to a healthy team culture to successfully navigate change – implementing improvements to local and organisational practice.

Essential Compliance Requirements

To hold this La Trobe University position the occupant must:

- hold, or be willing to undertake and pass, a Victorian Working With Children Check; AND
- take personal accountability to comply with all University policies, procedures and legislative or regulatory obligations; including but not limited to TEQSA and the Higher Education Threshold Standards.

Other Information

The position description is indicative of the initial expectation of the role and subject to changes to University goals and priorities, activities or focus of the job.

Position Flexibility

La Trobe University is committed to providing a diverse, inclusive and respectful working environment for all staff. We offer flexible work arrangements that can assist you in balancing your work and other responsibilities.

Why La Trobe:

- Develop your career at an innovative, global university where you'll collaborate with community and industry to create impact.
- Enjoy working on our inspiring and stunning campuses – the perfect hub for industry, students and academics
- Help transform the lives of students, partners and communities now and in the future

This is more than just a job. Working at La Trobe offers opportunities to demonstrate excellence and transform lives.

Here, you'll join exceptional people, partners and communities, who power our operations with ambition and purpose.

We are forward-looking and culturally inclusive. We continuously review, improve and transform our processes to embrace new, flexible approaches. That means you'll always have the opportunity to succeed and make a difference.

La Trobe's Cultural Qualities:



We are accountable

We strive for excellence in everything we do. We hold each other and ourselves to account, and work to the highest standard.



We are connected

We connect to the world outside – the students and communities we serve, both locally and globally



We are innovative

We tackle the big issues of our time to transform the lives of our students and society.



We care

We care about what we do and why we do it. We believe in the power of education and research to transform lives and global society. We care about being the difference in the lives of our students and communities

For Human Resource Use Only

Initials:

Date: