Position Description

PRINCIPAL CONSULTANT, ENTERPRISE NETWORKS & DATA CENTRE & CLOUD

BUSINESS UNIT:	Enterprise Services
REPORTS TO:	General Manager, Enterprise Services
MANAGEMENT:	Direct reports: 0
LOCATION/S:	Sydney
POSITION TYPE	Permanent full-time

About AARNet

Australia's Academic and Research Network (AARNet) was established in 1989 and is widely regarded as the founder of the Internet in Australia and renowned as the architect, builder and operator of world-class network infrastructure for research and education.

We are Australia's National Research and Education Network (NREN). We connect over one million users—researchers, faculty, staff and students—at institutions across Australia, supporting education and research across a diverse range disciplines including high energy physics, climate science, genomics, radio astronomy and the arts.

Nationally, AARNet interconnects Australian universities, the CSIRO, and other organisations who have a research and education mission, or with whom the education and research sector interacts. These include hospitals, vocational training providers, schools and museums. Internationally, AARNet interconnects the Australian Research and Education (R & E) community to the world – and continuously develops new capabilities and partnerships to facilitate seamless data access and transfer.

AARNet also offers a suite of supporting applications to our customers. These include network and collaboration services such as CloudStor and Zoom, that enable innovation in the delivery of research and education.

We are an organisation of innovators, doers, and courageous thinkers. We are not constrained by traditional products and solutions and we constantly strive to build the solutions that our customers will need tomorrow – today. If you have the imagination, foresight and drive to build the future why not come and join us?

The Role

AARNet is seeking a Technical Consultant with a strong background in the audit, design, build and support of large enterprise campus and data centre networks, as well as cloud networking services. Applicants should posses the ability to work across technical and management levels to help translate issues and needs into vendor-agnostic technical solutions in this customer-facing role.

This role expects hands-on technical engineering and project support to the consulting team, advising customers in an independent capacity and will act as an escalated support resource where required.

Examples activities include: (a) network redesign to support access to high-speed wide area and data centre network connectivity; (b) engineering and design of Internet gateways and border/edges; (c) interconnectivity advice, design and build services in connecting on campus data centres to off campus co-location and cloud services such as AWS, Azure and Google Cloud.

The successful candidate will bring and gain a wide variety of experience supporting on campus network based solutions, whilst also tapping in to AARNet's carrier-grade engineering expertise to provide comprehensive local, border edge and wide area network advice and solutions. This position reports to the General Manager, Enterprise Services. The role may involve work solely on campus on assignment or in teams with staff or external partners to offer a packaged service solution.

Significant interstate travel will be required to conduct assignments on campus across Australia and the role will require an independent and self -sufficient worker with the ability to think on their feet and solve problems and issues as they arise.

Responsibilities

- Technical, Hands-on and Mentor.
- Able to advise customers in an independent capacity.
- Support in an hands-on technical role where required. Examples include:
  - Network or Data Centre redesign to support diverse access to high speed local campus, data centre and wide area network connectivity.
  - Network or data centre architecture and design services for enterprise, cloud and associated management and security solutions.
- Assisting customers with technical advice and support as independent members of procurement panels.
- Network engineering solution design and implementation.
- Contribute to new service development – ideally in the areas of automation and orchestration.
- Maintain up-to-date knowledge of products and services in the marketplace.
- Maintain relevant technical accreditations.

- Prepare talks and papers showcasing expertise.
- Administration
  - Reporting on progress at regular team meetings.
  - Contribute in marketing communication activities for consulting services.
  - Document opportunities and post sale timesheets and expenses on a per project timely basis.

Expertise, experience & qualifications

Applicatants for this role will:

- Have a wide variety of technical consulting and engineering experience with skills supporting campus network elements including local, border edge and wide area networks.
- Think 'outside the box' and work with customers to achieve suitable, realistic expectations.
- Identify and convert opportunities into revenue raising assignments.
- Make new assignments repeatable and mentor others to undertake similar work.
- Travel as required for pre-sales activities and post-sales assignments on campus across Australia.
- Be confident, independent, and self-sufficient with the ability to think on their feet and solve problems and issues as they arise.
- Hold an expert level network certification (e.g. CCIE Routing and & Switching, CCDE, JNCIA) and/or have equivalent demonstrable practical experience.
- Ideally have relevant data centre qualification(s) in network, virtualization and storage technologies.
- Have a BSc degree or equivalent qualified in a related field or relevant industry experience.
- Have a valid Australian Driver's Licence.
- Be an Australian Resident.

Important skills

- Have significant experience and capability to document designs at high and detail level (e.g. HLDs, LLDs), as well as create structured reviews/reports (e.g. gap analysis).
- The ability to work as part of a dynamic team of technical experts as required.
- The ability to build strong trusted relationships with pre-sales experience with customers is ideal.
- The ability to act as a translator between non technical and technical stakeholders.
- Strong written and oral communication skills are essential.
- A self-starter with customer facing skills is essential.
- Strong organizational skills, ability to coordinate with multiple teams on multiple projects.

- Strong computer skills are essential (including Office, Visio, Collaboration software and network tools).

- 5 years minimum enterprise network engineering experience in the IT&T industry is essential, a background with an IT integrator or professional services team is a strong preference.

- Demonstrable experience with auditing, designing, procuring and implementing enterprise networks.

- Cisco and Juniper Enterprise networks products experience is preferred, plus other manufacturers is an advantage.

- Experience with data centre interconnectivity and design is highly desirable.

- Experience with data centre compute virtualisation (e.g. VMWare/Hyper-V), storage (SAN/NAS) and data centre networking solutions is a distinct advantage.

- Experience with Microsoft Azure or Amazon Web Services in configuration of end-to-end network and cloud service solutions is a distinct advantage.

- Experience with a variety of network tools and network scripting would be an advantage.

- Experience in the Higher Education and Research sector is welcome but not essential.

- Experience in a similar role will be highly regarded.

Conditions of employment

AARNet is committed to diversity and providing equal opportunity to all. We're a great place to work if you want to make a difference. Remuneration will be based on skills and experience and will include an above market superannuation package.

How to apply

Applications, including a resume/CV and cover letter addressing the requirements of this role, should be sent by e-mail to employment@aarnet.edu.au. Closing date for applications: Friday 17th May, 2019.