Job Description

22 May 25

SBS
a world of difference

SENIOR NETWORK LEAD

Reports to: IT Infrastructure Manager (Sydney)
Direct reports to this position – 2

SBS Values, Vision, and Purpose

The role of Senior Network Lead Engineer is to be responsible for the day-to-day operational administration and maintenance of SBS's Network environment and solving any problems / issues that may occur with them.

This is a lead role that will require proven best practice communications and problem-solving skills to guide and assist their immediate Infrastructure team and the technology department (including architectural functions) on issues related to the design and deployment of networking systems.

The role is responsible for the following:
1. The implementation, development, documentation, testing, and maintenance of LAN and WAN networks, routers, switches, and firewall solutions; working independently, in a team, and with vendors.
2. Develop, maintain and ensure adherence to operational support processes and compliance.
3. Lead the Transformation / Migration to cloud requirements for the Network team

The role is expected to innovate and ensure quality is continuously improving, safeguard the integrity of data transmission, implementation, and support meeting both industry best practice and SBS requirements.

Division Purpose – Technology

SBS Technology can be thought of as the 'engine room' of SBS. Our primary role is to enable and support the production, distribution, and transmission of content across television, radio, and online platforms. Our teams achieve this by working collaboratively to design innovative solutions and deliver end-to-end services for our business stakeholders.

The **Infrastructure Team** is accountable for all internal technical infrastructure supporting all aspects of the business including getting content produced, edited, and on air.

Role Purpose

Reporting to the Infrastructure Manager (Sydney), the Senior Network Lead Engineer is responsible for the oversight of day-to-day network health and ensuring the success of the infrastructure team in meeting their security and strategic goals.
Act as a lead to a small team of engineers, they will apply proven communications and problem-solving skills to guide and assist the technology department and architectural functions on issues related to the design and deployment of networking systems and is expected to innovate and ensure quality is continuously improving,

safeguard the integrity of data transmission, implementation, and support meeting both industry best practice and SBS requirements.

Key Responsibilities

- **Prioritisation of Tasks**: Prioritise tasks based on urgency and importance to ensure efficient allocation of resources.
- **Implementation, Development, Documentation, Testing, and Maintenance of LAN and WAN Networks:** Implement, develop, document, test, and maintain LAN and WAN networks, routers, switches, and firewall solutions.
- **Network Platform Management**: Maintain the underlying network management platforms in line with best practice including monitoring, reporting, performance, and security management.
- **Cloud Requirements for Network and Storage Team:** Lead the Transformation / Migration to cloud requirements for the Network and Storage team.
- **Innovation and Quality Improvement:** Innovate and ensure quality is continuously improving, safeguard the integrity of data transmission, implementation, and support meeting both industry best practice and SBS requirements.

Main Tasks & Duties

1. **Proactive Maintenance of LAN and WAN Logical and Physical Environment:** Ensure proactive maintenance of LAN and WAN logical and physical environment, including configuration, physical and logical hygiene and configuration backup, server networking architecture.
2. **Supervise and Execute Day to day Administrative Tasks:** Supervise and execute day-to-day administrative tasks to provision and support business requirements including IPAM, access management via TACACS and configuration management.
3. **Monitor and Report Issues on the Network:** Monitor and report issues on the network using SBS' third-party tools and network vendor tools.
4. **Troubleshoot Technical Issues**: Troubleshoot technical issues as reported by the business and resolve.
5. **Proactive Improvements**: Identify technical, operational or other areas for improvement and work with the Infrastructure team to realise appropriate changes.
6. **Work with Project Management, Application Development, and Other Infrastructure Teams:** Work closely with project management, application development, and other infrastructure teams like Storage, Security, and database teams to develop scalable, maintainable, and highly available architecture.
7. **Support key SBS Initiatives and projects**: Provide networking subject matter expertise on project delivery and technical implementation
8. **Provide After-Hours On-Call Support:** Provide after-hours on-call support when required.
9. **Monitor and Report Issues on the Network:** Monitor and report issues on the network using SBS' third-party tools and network vendor tools.
10. **Ensure that SBS' Change Control Process is Always Followed:** Ensure that SBS' change control process is always followed.
11. **Team Management**
    a. Lead a small team of engineers (2-3) in the Network Team.
    b. Provide guidance and mentorship to junior team members.
    c. Ensure adherence to SBS processes, procedures and compliance requirements.
    d. Collaborate with other teams such as Project Management, Application Development, and Infrastructure Teams.

Certification & Technical Experience (Required):

1. **Certification - Cisco CCNA**
2. Operational experienced and proficient in Cisco networking.
3. Knowledge of RIP and BGP protocols
4. Familiarity with SDN & SDDC technologies and their applications
5. Solid Routing and Switching skills
6. **Operational experience with Firepower, Cisco ISE, Cisco WLC**

Certification & Technical Experience (Desirable):

1. Certification. - CCNP or CCIE
2. Media IP Experience:
    a. Design and implement IP network infrastructure to support Media over IP (MoIP) solutions
    b. Configuration and troubleshooting of MediaIP equipment and software
    c. Experience with industry-standard protocols such as SMPTE 2022-6, SMPTE 2110, and AES67
    d. Knowledge of audio and video signal flow through an IP network
3. SMPTE 2110 Experience:
    a. Design and implement IP network infrastructure to support Media over IP (MoIP) solutions
    b. Configuration and troubleshooting of MediaIP equipment and software
    c. Experience with industry-standard protocols such as SMPTE 2022-6, SMPTE 2110, and AES67
4. Knowledge of audio and video signal flow through an IP network
5. **Certification -** Vendor or training certification for AWS
6. Familiarity with Nutanix
7. Knowledge or experience of the Broadcast/Production sector
8. Familiarity or experience with network automation or programming
9. Windows and Linux server administration
10. Familiarity with AWS networking implementations

Key stakeholders involved in the implementation:

1. The Infrastructure Operations Manager
2. Team members
3. Stakeholders
4. External consultants
5. Vendor representatives

Key Relationships

- Consult and work with Enterprise Architects on design and implementation of solutions
- Assist Business Analysts with information gathering, reporting and process mapping
- Provide 2nd and 3rd Level Infrastructure and incident support for various Applications Support group
- Support the Project Management Office during scoping, design, implementation, and handover of Projects.
- Work with Vendors in the delivery, management, and support of core business systems

Key Capability

1. **Customer Focus:** Follows through on customer/client inquiries, requests, or complaints
2. **Collaboration Function:** Encourages collaboration (sharing of responsibility and information) across the business
3. **Innovation Function:** Encourages team/function to generate new and original ideas
4. **Organisational Awareness:** Operation considers how functions within the business work together
5. **Results Focus:** Drives to meet objectives and standards

Workplace Health & Safety

In relation to Work Health & Safety, you must comply with your safety responsibilities as detailed in relevant Acts, Regulations, Standards, Codes of Practice and the SBS Safety Management System (SMS)

- Comply with Work Health and Safety Regulations and responsibilities

- Ensure employees and clients are:
  - made aware of their WH&S responsibilities
  - have received adequate safety induction and other WH&S information, instruction, and training to enable them to conduct their work safely
  - follow safe work practices