Network Administrator

Full Time Position
Corporate Services

About Us

SNOLAB is an international facility for world-class underground physics research and has an expanding programme in astroparticle physics and underground science. Located in an air-conditioned clean room 2 km underground in the Vale Creighton Mine near Sudbury Ontario, with a suite of surface facilities and laboratories, SNOLAB is currently preparing for the next generation of experiments focusing on neutrino studies and the search for galactic dark matter.

The Position

We are seeking a highly skilled Network Administrator with expertise in Linux Administration to join our IT team at our world-renowned research facility. The successful candidate will be responsible for managing, maintaining, and troubleshooting our extensive network and Linux systems to ensure seamless operation of our research and administrative activities.

Key Responsibilities
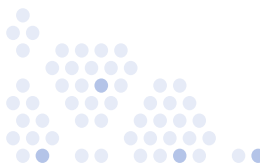
Network Administration:

Oversee and maintain network infrastructure, including switches, routers, firewalls, and wireless access points.
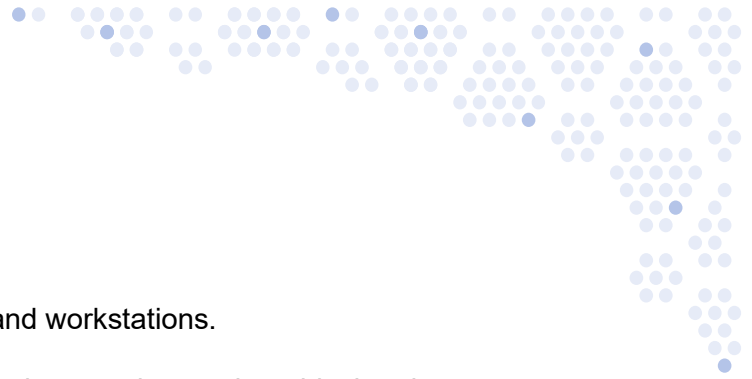
Configure and troubleshoot VLANs, ACLs, and network security protocols.

Lead the installation, configuration, and maintain fiber optic networks, including switching and splicing.

Perform network monitoring and optimization to ensure high performance and reliability.

Conduct regular network assessments to analyze and interpret the information using appropriate tools and software and implement improvements as needed.

University of Alberta | Carleton University | Laurentian University | Université de Montréal | Queen's University

Linux Administration:

Install, configure, and maintain Linux servers and workstations.

Manage SSL certificates, including renewal, implementation, and troubleshooting.

Monitor system performance and perform necessary upgrades and patches.

Develop and maintain scripts for automation and efficient system management.

Cyber Security:

Implement and manage security measures to protect data and systems from cybersecurity threats.

Conduct regular security audits and vulnerability assessments.

Collaborate with the IT team to respond to and resolve security incidents.

Support and Collaboration:

Collaborate with cross-functional teams to support ongoing projects and initiatives.

Document network and system configurations, procedures, and troubleshooting steps.

Education

Bachelor's degree in computer science, Information Technology, or related field, or equivalent experience.
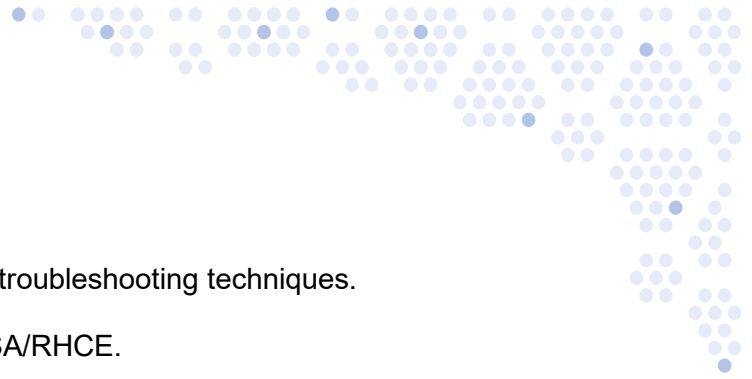
Experience

Demonstrated knowledge of cybersecurity principles, best practices, and industry standards, including risk management, threat mitigation, and compliance with security protocols.

Knowledge of network administration, including configuring and managing switches and firewalls.

Strong proficiency in Linux system administration (e.g., CentOS, Ubuntu).

Knowledge of network protocols, routing, switching, and firewall management.

Experience with network monitoring tools and troubleshooting techniques.

Certifications such as CCNA, CCNP, or RHCSA/RHCE.

Familiarity with cybersecurity principles and best practices.

Excellent problem-solving skills and attention to detail.

Strong communication skills and ability to work collaboratively.

Experience with virtualization technologies (e.g., VMware, KVM).

Knowledge of wireless network deployment and management.

Experience with scripting languages (e.g., Bash, Python).

Salary Range $81,370 - $95,474

Salary will be determined by qualifications and experience which includes an attractive benefits package. This position requires underground travel and requires you to work onsite.

To Apply

All applications must be submitted to jobs@snolab.ca. Please do not fax or mail your applications. By applying to the e-mail address, your application becomes available to managers immediately. Interested candidates should include a cover letter and resume.

Closing Date

February 21st, 2025

All Applications will be accepted until **4:00 pm Eastern Time.**

SNOLAB thanks all applicants for their interest, however, only those candidates considered for an interview will be contacted.

SNOLAB is committed to equity in employment and encourage applications from all qualified applicants, including women, Indigenous persons, members of visible

minorities and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

SNOLAB will provide support in its recruitment processes to applicants with disabilities, including accommodation that considers an applicant's accessibility needs.

Further information about SNOLAB may be found at www.snolab.ca

Posting Date

February 7th, 2025