IT Specialist/Linux System Administrator
Computational Support Team

PCIC is seeking to hire an IT Specialist/Linux System Administrator.

Job Description

The Pacific Climate Impacts Consortium (PCIC) is a leading regional climate service and research centre. The IT Specialist/Linux System Administrator works to build and maintain our state of the art computational and storage infrastructure under the direct supervision of the Lead for Computational Support. PCIC infrastructure presently includes multiple racks full of Linux servers that host hundreds of terabytes of high-resolution spatio-temporal climate data and model output and link securely to University of Victoria and Compute Canada systems.

Why work at PCIC?

You will be a part of a talented and dedicated team that builds the foundation upon which great climate service delivery and scientific solutions are developed. We offer flexible working hours, good annual leave, Christmas to New Year's off, and benefits. You will have your own office, the freedom to plan your day, and the resources to creatively deploy enterprise-level solutions. With our offices at UVic, your breaks can easily include a walk on the beach, a hike in the woods, or taking advantage of the many campus amenities.

Responsibilities

- Plan, budget and facilitate purchasing of computer hardware. Build Linux servers and purchase staff workstations.
- Administer our research and public-facing servers, minimizing downtime and planning outages at reasonable times.
- Actively participate in data management, backup and recovery.
- Act as PCIC's liaison to UVic's UNIX Services Team, various HPC resources (e.g. Compute Canada) and UVic's Desktop Support Services.
- Educate staff in systems best-practices.

Knowledge, Experience, and Abilities

Knowledge

- Bachelor's degree majoring in Computer Science, Computer Engineering or a related field of study, or a commensurate level of experience.
- Knowledge of storage management at all levels of the stack (block, volume, file system, network).
- Knowledge of security best practices.
- Some knowledge of network administration.

Experience

- Experience administrating Linux systems, preferably Debian or CentOS.
- Experience working with Gluster, ZFS, NFS and Samba.
- Experience planning hardware purchasing and budgeting.
- Experience with data storage, backup and recovery management at the scale of tens to hundreds of terabytes.

- Experience with remote system health monitoring.

Abilities
- Ability to plan, assemble, build and test server and desktop machines.
- Ability to work effectively and collegially with others inside and outside of the organization.
- Ability to communicate technical concepts to (non-computational) scientific staff.
- Ability to automate repetitive tasks with high-level scripting languages (bash, Python, perl, ruby, etc) or automated configuration management tools (e.g. Puppet, Foreman).
- Detail-oriented and the ability to multi-task and prioritize while staying organized.

Extra Bonus
- Experience with Foreman, oVirt and/or Docker.
- Experience with Apache's httpd and Tomcat.
- Experience with PostgreSQL.
- Experience with Drupal CMS.
- Experience integrating systems with LDAP directory services.
- Knowledge of Tivoli Storage Manager (TSM) backup software.
- Ability to facilitate fair but flexible computational resource sharing.
- Ability to collaborate on minor Windows desktop administration.

Other Details
- Employment period: This is a continuing position.
- Weekly working hours: Full time (37.5 hours per week).
- Pay rate: Commensurate with education and experience.
- Start Date: As soon as possible.
- A successful candidate must live in or relocate to Victoria, British Columbia, Canada.

Additional information: Address enquiries to James Hiebert at climate@uvic.ca.

Application: Please send your application including a cover letter, CV, and three professional references to James Hiebert, climate@uvic.ca, with "**ATTN: IT Specialist/Linux System Administrator**" in the subject line. **Please specify whether or not you are currently able to work legally in Canada.**

Review of applicants will start **immediately** and continue until suitable candidates are found.