

**Compensation Group** A.E.S.E.S  
**Faculty** I.S.T. Computer & Network Svc.  
**Department** General Office  
**Position History** New  
**Position Type** Budget funded Continuing  
**Work Schedule (Select)** Full time: 35 hours per week  
**Estimated Weekly Hours** 35  
**Salary (Hourly)** \$34.78 - \$46.10  
**Salary (Annual)** \$63,299.60 - \$83,902.00  
**Proposed Start Date** 2013-02-18  
**Probation/Trial Period** 420 hours worked

**Qualifications**

## Education:

- A post-secondary degree/diploma in Computer Science or a related field is required.
- An acceptable equivalent combination of education and experience may be considered.

## Experience:

- Six years of experience in Linux systems administration preferably in a computational research environment.
- Extensive experience in creating, maintaining and supporting high-quality software tools, along with experience in compiling, installing and porting software systems.
- Must have extensive experience with developing tools for automating system administration tasks and analyzing performance data.
- Experience with High Performance Computing and high-performance networks (e.g. Infiniband) as well as cluster management software (e.g. Rocks, XCAT, KickStart, etc.) is strongly preferred.
- Experience with developing or running scientific applications in a High Performance Computing environment would be an asset.

## Skills and Abilities:

- Must have in-depth of key protocols such as DNS, DHCP, LDAP, SNMP, SMTP, HTTP, SSL, etc., Linux kernel internals and host and network based security implementations.
- Must have advanced scripting skills in Perl, Python or Ruby.
- Must have working knowledge of software development and testing methodologies.
- Must have the ability to handle several tasks and effectively prioritize and meet deadlines.

**Key Responsibilities**

## Characteristic Responsibilities and Duties:

- Act as the primary Systems Administrator for WestGrid servers at the University of Manitoba.
- Collaborate with systems architecture designs, upgrades and other expansion projects.
- Maintain and monitor the security of all managed systems.
- Monitor hardware and software systems performance, active research applications and security audits.
- Provide reliable and efficient backups and restores for all managed systems.
- Diagnose, troubleshoot and resolve systems operational issues for the rapid restoration of affected services.
- Develop specialized tools and utilities using advanced software development methodologies to automate system administration.
- Document procedures for routine and complex tasks.
- Lead projects as assigned.
- Perform other related duties as required.

**Position Number** 16072**# of Hires Needed** 1

**Posting Closing Date.** 02/08/2013  
**(Requisition closes at 4:30 p.m. CT)**

**Inquiries only (Note: applications must be submitted through REACH-UM)** kim.mcintosh@ad.umanitoba.ca