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SENIOR SYSTEM ADMINISTRATOR

ABOUT TACC

The Texas Advanced Computing Center (TACC) at The University of Texas at Austin (UT Austin) is a leading research center for computational excellence in the United States. TACC's mission is to enable discoveries that advance science and society through the application of advanced computing technologies. To fulfill this mission, TACC staff help researchers and educators use these technologies effectively, and conduct research and development to make these technologies more powerful, more reliable, and easier to use. TACC staff also help encourage, educate, and train the next generation of researchers, empowering them to make discoveries that change the world.

JOB DESCRIPTION

This Senior System Administrator position will participate in the systems deployment, operations, support, and software development activities of the TACC Advanced Computing Systems group. This position will require interaction in a multi-vendor, high performance computing environment that includes petascale HPC and storage systems, a state-of-the-art visualization facility, and a complex networking infrastructure. Particular emphasis includes administering large scale storage resources, especially Lustre and/or GPFS parallel filesystems, and operation of high performance interconnects such as InfiniBand.

The primary responsibilities of this position at TACC are the following:

- Assist with development and deployment of large-scale multi-petabyte storage resources
- Perform Unix/Linux tasks, including the installation and maintenance of operating systems and filesystem configuration on clusters and storage systems.
- Provide project leadership role on large-scale storage systems.
- Participate on papers and proposals involving storage research activities.
- Plan and document storage infrastructure and assist with system administration.
- Additional tasks as needed.

REQUIRED QUALIFICATIONS

The selected candidate must have the following minimum qualifications:

- Bachelor's degree and five or more years of relevant professional experience. (High school graduation or GED requires four more years of the experience above. Fifteen undergraduate hours substitute for six months of experience, up to three and one-half years.)
- Five years experience in system administration on Linux/Unix computing systems, preferably in HPC environments.
- Three years experience in parallel filesystem configuration and administration.
- Demonstrated excellent interpersonal communication skills and professional demeanor.

PREFERRED QUALIFICATIONS

One or more of the following qualifications are strongly desired:

- Experience in the configuration, installation, and maintenance of large parallel filesystems, preferably Lustre or GPFS-based.
- Experience in the installation and maintenance of operating systems software and support utilities, including Unix process accounting, security software, and script programming.
- Experience in performing system administration duties within the Linux operating system.
- Experience in the system administration of computational clusters running Linux.
- Experience within an academic computing environment.

INSTRUCTIONS TO APPLICANTS

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer and actively seeks women and minority applicants for this position. Working conditions include exposure to standard office conditions, employee may work around electrical and mechanical hazards, and repetitive use of a keyboard at a workstation. This position is security sensitive; conviction verification conducted on applicant selected.

The retirement plan for this position is Teacher Retirement System of Texas (TRS), subject to the position being at least 20 hours per week and at least 135 days in length.

Application requirements: go to <https://utdirect.utexas.edu/apps/hr/jobs/> for complete job description and follow instructions to apply for job number 11-08-04-01-4209 using your on-line resume. For additional information about this position, please contact Janie Bushn at jbushn@tacc.utexas.edu.