

Employment Opportunity

DATE POSTED: February 5, 2009

Title of Position: Linux Administrator

Job #298320

The Colorado Community College System is the state's largest system of higher education, comprising 13 state community colleges, career/technical programs in more than 150 school districts, and program oversight for seven other post secondary institutions. Each college offers a blend of core courses for the university-bound as well as career programs that meet local employers' needs. Our high school programs are designed to increase the number of qualified entry-level and skilled workers for the Colorado economy. Altogether, we serve over 117,000 for-credit students per year. CCCOnline also serves secondary and continuing-ed constituents, increasing the total number of students served. We are a national model for utilizing advanced technology to deliver state-of-the-art academic and career education across the entire secondary through post-secondary continuum.

Job Summary

Under the direction of the Senior Linux Administrator, this position will assist in the oversight of the entire CCCS Linux system involving the performance of system administration tasks on large-scale Linux systems in a multi-vendor, high performance computing environment. Under the supervisor's direction the position will assist in performing CCCS Linux installation, cluster planning and administration activities, including project management.

Duties and Responsibilities

Primary Responsibilities

- 30%** Perform Linux fail over and cluster administration tasks, including installation and maintenance of software: programming tools and libraries, management software, parallel file systems software, security software, and computing middleware.
- 15%** Help maintain and enhance hardware as needed, including upgrading servers, installing/upgrading high-performance networking hardware (e.g., Gigabit Ethernet, storage systems, etc). Build and install new hardware configurations.
- 10%** Assists in monitoring systems usage and security, and identify and troubleshoot problems as they arise. Provide back-up support to current systems administration staff on computing systems running Linux and Windows.
- 15%** Work with Oracle Data Base Administrators, Application, Development, and Technical teams to help deploy and manage existing and new applications and update existing applications. Work with and identify additional tools to assist and provide metrics for performance analysis. Create and review applications, installation, and system support documentation.

Secondary Responsibilities

- 20%** The position assists the supervisor in providing technical leadership and project support for the implementation and maintenance operations including but not limited to SungardHE Banner core

modules, data warehousing, imaging, printing, and interfacing to ancillary applications supporting the Banner environments. The position will work independently as well as with the various technology team members and end users to troubleshoot and identify operational constraints and recommend business/technical solutions. Assists in ensuring documentation and standards are in place to support business/technical solutions required in the operations area. Assists in the administration, management and tracking systems changes for upgrades, and system changes.

Other Duties:

10% Responsible for other duties as assigned by supervisor. These duties may include activities related to current position duties as described above, but may also include assignments that require assuming responsibility for tasks outside of the regular job description. This may include short-term or long-term project assignments, such as committee memberships, ERP implementation projects, etc. These assignments may be added to the current work load or may be substituted for regular job duties in varying percentage basis.

Applicant Qualifications

Education:

Associate's degree in a computer related field. Progressively responsible work in a related computer field may be substituted year for year for the associate's degree.

Experience:

- Two years of progressively responsible experience working in a Linux environment.
- Competent networking skills; familiarity with both TCP/IP and high-speed proprietary interconnects
- Experience in the installation and maintenance of operating systems software and support utilities, including Linux process accounting, security software, and script programming
- Experience with the deployment and management of batch queuing systems
- Proficiency in patching and building Linux kernels from source.

Skills and Abilities

Demonstrated excellent interpersonal communication skills, troubleshooting expertise and professional demeanor.

Preferred qualifications

One or more of the following qualifications are strongly desired:

- Previous experience with the deployment and management of large-scale, parallel file systems.
- Experience in effectively supervising and managing employees in the performance of highly technical activities.
- Red Hat Linux engineer certification (RHCE)
- Experience running benchmarks to quantify cluster performance.
- Experience debugging and optimizing MPI and OpenMP programs for high performance computing.
- Experience with the deployment and management of batch queuing systems.
- Experience with Virtualization tools and process and Experience with Banner

Additional Working Conditions:

- Part of this job is performed using a computer.

- This position has frequent interactions with internal and external customers and vendors.
- This position frequently attends and may lead meetings with a variety of attendees.
- This position often facilitates training sessions on technical subject matters.
- Some travel to various campuses and conferences is required.

Salary

- Salary commensurate with education and experience.
- Excellent benefit package including health, dental, vision, life insurance, and retirement.

Application Process

Submit a current resume, list of three professional references and your three most recent supervisors, copies of your transcripts (unofficial are acceptable as part of the application process – official copies will be required prior to hire) and cover letter addressing the position requirements to:

E-Mail: jobs@cccs.edu
Fax: 303-620-4030

Or mail to:
Executive Director of Human Resources
Colorado Community College System
9101 E. Lowry Blvd.
Denver, CO 80230

A review of applications will begin immediately and continue until the position is filled. Candidates are evaluated based on their qualifications as related to the duties and responsibilities of the position.

Equal Opportunity Employer -The Colorado Community College System is an equal opportunity employer and does not discriminate on the basis of age, race, religion, color, national origin, sex, or disability in its activities, programs, or employment practices as required by Title VI, Title IX, and Section 504, Age Discrimination Act, and Title II of the ADA. Former employees of the Colorado Community College System or one of its 13 colleges, who were disciplinarily terminated or resigned in lieu of termination, must disclose this within your application materials.

This position may require irregular hours, including nights and weekends, as well as working more than eight (8) hours per day at certain times.

Candidates must successfully pass a criminal background check prior to hire.