

**Employment Opportunity**

Date Posted: *June 10, 2009*

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***Senior Linux Administrator***

***Position Number 29930***

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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 Technical Director or designee, the Senior Linux Administrator position will perform system administration tasks on large-scale Linux systems in a multi-vendor, high performance computing environment. This position will lead CCCS Linux installation, cluster planning and administration activities, including project management.

**Duties and Responsibilities:**

Primary Responsibilities

Provide project leadership on all Linux activities at CCCS as follows:

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.

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.

Monitor 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.

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

The position is charged with 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.

Responsible for ensuring documentation and standards are in place to support business/technical solutions required in the operations area.

Administer, Manage and Track systems change management processes for all upgrades, and system changes.

Additional tasks as needed.

## Applicant Qualifications:

Education;

Bachelor's degree from an accredited college or university in a related field.

Experience:

- Five years of relevant professional experience. Three years of this experience must have been in production Linux administration.
- 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.

Unique Characteristics:

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

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.
- 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.
- 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:**

- Anticipated Hiring Range: Annual Salary is 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:

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.** Incomplete applications may not be considered. Candidates will be evaluated on the basis of 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. Written inquiries may be referred to the Director of Affirmative Action, 9101 E. Lowry Blvd., Denver, CO 80230-6011, or by phone at 303-620-4000.
- *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.