144_OP_SystAdmin

Job Reference

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Position

System Administrator Unix/Linux

Data de tancament

Diumenge, 31 Desembre, 2017

About BSC

BSC-CNS (Barcelona Supercomputing Center – Centro Nacional de Supercomputación) is the National Supercomputing Facility in Spain and manages MareNostrum, one of the most powerful supercomputers in Europe. The mission of BSC-CNS is to investigate, develop and manage information technology in order to facilitate scientific progress. With this aim, special dedication has been taken to areas such as Computer Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering

Look at the BSC experience:

BSC-CNS YouTube Channel

BSC-CNS Corporate Video

Let's stay connected with BSC Folks!

Context and Mission of the role

The Operations Department ensures the continuous daily functioning of the BSC supercomputers and remote access by users both within Spain and internationally. In addition to all the routine maintenance and operations tasks, the Department staff is also heavily involved in planning and designing new systems and support facilities. At the moment we are looking for a System administrator that will be in charge of the tasks below.
Responsibilities

- Installation, maintenance, update and resolution of issues related to IT services of the centre (mail, web, databases, servers, etc.)
- Request and administration of hardware issues of the several supercomputer clusters of BSC, such as MareNostrum.
- Configuration and administration of the different storage subsystems and backup system, specially the tape-based solutions
- Responsible for the installation, configuration and maintenance of the batch scheduling system of the BSC HPC resources
- Responsible for the installation, configuration and maintenance of the HPC monitoring systems
- Administration of the accounting and job execution logs in the different HPC resources and the development of the associated tools to query them
- Maintenance and continuous improvement of the existing applications developed at BSC in the areas of the performance team responsibilities: Accounting, Batch Scheduling system, Performance monitoring, Automatic user administration at the batch scheduling system, Analysis and reporting about the scheduling behavior
- Continuous monitoring, analysis and improvement of the system performance in the HPC clusters
- Apart from system administration tasks inside BSC, this position will give support to technical tasks in different technical European projects that BSC is participating, such as, PRACE, HBP, EUDAT, etc.

Requirements

- **Education**
  - Minimum university qualification required: Diploma or technical degree, preferably in IT

- **Knowledge and professional experience**
  - Configuration and administration of IT services
  - Knowledge and experience in system administration for UNIX platforms, preferably Linux
  - Experience in administration of Grid Infrastructures and HPC clusters (highly valued)
  - Experience in working on European projects (highly valued)
  - Advanced experience on the use of UNIX platforms (highly valued)
  - Experience of 1-2 years (min)
  - Availability to travel and assist project events/workshops

Competences

In order to be successful in this role the candidate should have:

- Excellent written and verbal communication skills in English
- Ability to work in a professional environment within a multidisciplinary and international team
- Initiative, responsibility and good organization skills

Conditions
The position will be located at BSC within the Operations Department in collaboration with the specific program coordinator

We offer a full-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures

Salary: we offer a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Barcelona

Duration of the contract: one year (renewable)

Starting date: asap

Applications Procedure

All applications must be done through the BSC website including:

1. Motivation letter and a statement of interest, including two recommendation letters or contacts
2. A full CV including contact details

Deadline

The vacancy will remain open until the 31th of December. Applications will be regularly reviewed and potential candidates will be contacted.

Diversity and Equal Opportunity Employment

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law

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