

PIC
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Helping to turn information into knowledge

Network and Systems Administrator within the framework of the Recovery, Transformation and Resilience Plan – Funded by the European Union – Next Generation

Opening Date: 26/05/2023
Closing Date: 12/06/2023
Job Reference: PIC2023-PCMM-3

Port d'Informació Científica (PIC) is a scientific-technological center specialized in developing advanced tools and methods for scientific data analysis. We participate in research projects from multiple disciplines with challenging data environments, including particle physics, astrophysics, biology, materials science and others. Our main objective is to accelerate research by making data analysis more effective through the use of Machine Learning, High-Throughput Computing and Big Data techniques using distributed computing to support collaborative research.

PIC is operated through a collaboration agreement between CIEMAT and IFAE research centers. PIC is collaborating in research projects in optical galaxy surveys (DES, PAU, Euclid, DESI), gamma-ray astronomy (MAGIC, CTA) and gravitational wave astronomy (LIGO, Virgo). Multi-Messenger astronomy is based on the simultaneous recording and interpretation of various signals from space. Therefore, PIC is in a unique position to exploit synergies and accelerate Multi-messenger astronomy analyses by developing tools and methods that combine the data coming from the different instruments.

PIC is looking for a highly motivated systems administrator with strong technical skills in linux and network administration and interest in scientific research.

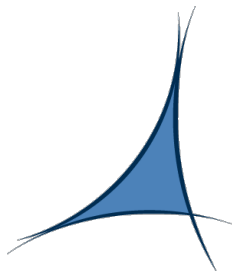
The successful candidate will join the Operations team of the PIC data center and will work in close collaboration with scientists to develop, deploy and operate computing platforms to carry on the research data analysis.

Job Description

You will work as a network and system administrator. Your job will consist in:

- Configuration and administration of linux servers
- Network administrator. Switches, routers and firewalls maintenance
- Implementation and maintenance of a virtualization platform
- Implementation and maintenance of a Kubernetes platform
- Provide support for integration of new applications in Kubernetes
- Technical procedures documentation for operators and developers
- Troubleshooting for network and linux systems

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Required Skills

We are looking for a research support person with experience in:

- Ability to effectively communicate and collaborate, as well as create a good working environment, with team members, researchers and supervisors.
- Being proactive. Having the ability to evolve and improve IT services according to the user needs.
- Linux system administration experience
- Kubernetes deployment and management experience
- Ovirt deployment and management experience
- Network administration knowledge. Experience on EOS (Arista) and Fortigate solutions.
- English spoken and written

You will have the support of the Operations and Services teams at PIC. Teamwork is of uttermost importance for this job.

Contract characteristics

The recruiting center will be the Institut de Física d'Altes Energies (IFAE). The place of work will be the headquarters of PIC at Universitat Autònoma de Barcelona (<https://www.pic.es>)

At least 1 position. A Full-time (40h/week) position with an “actividades científico-técnicas” contract (article 23-bis of the Spanish Act 14/2011, Ley de la ciencia, la tecnología y la innovación) linked to the project “Advances technologies for the exploration of the Universe and its components, of the area of Astrophysics and High Energy Physics”, within the frame of the R+D+I Complementary Plans of the Spanish Government. There will be a trial period of 6 months.

The position will correspond to “Tècnic Senior” within the [IFAE professional categories](#). Salary will be commensurate with experience and qualifications within the corresponding category range. The successful candidate would start working at PIC as soon as possible.

Application and Selection process

Applications should be submitted to pic.jobs@pic.es stating the job reference (PIC2023-PCMM-3) as the Subject of the message. The mail should include a cover letter and an updated CV. Sending CVs to the above address implies consent to the legal warning at the bottom of IFAE's Home Page.

IFAE is an equal opportunity employer committed to diversity in the workplace and social integration of people with a disability. We welcome applications from all qualified candidates. People from groups that are typically underrepresented in the labor market in general and in Science and Engineering in particular, such as women, minorities, or people with a disability, are particularly encouraged to apply.

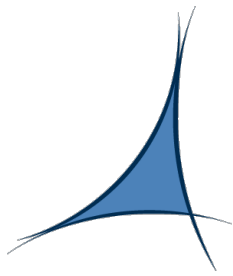
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Institut de Física
d'Altes Energies



Ciemat

Centro de Investigaciones
Energéticas, Medioambientales
y Tecnológicas



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You may contact pic.jobs@pic.es for any questions related to this job opening.

A Selection Committee will evaluate the received applications. If more than one candidate seems equally suitable for the position, the Selection Committee will arrange an on-line interview with each one of them as part of the Selection process.

In compliance with article 121 of the Spanish Public Sector Legal Regime Act, staff with a pre-existing relationship with the Consortium administration (Generalitat de Catalunya and Universitat Autònoma de Barcelona) will have priority in the awarding of the position.

Funding Statement

This contract is part of the project Advanced technologies for the exploration of the Universe and its components, of the area of Astrophysics and High Energy Physics, within the frame of the R&D&I Complementary Plans of the Spanish Government that are part component 17 of the Recovery and Resilience Mechanism. This contract is funded by the European Union – NextGenerationEU (MICINN/PRTR funds) and by Generalitat de Catalunya.



Bellaterra, May 26, 2023