



The ESRF is a multinational research institute, situated in Grenoble, France and financed by 19 countries mostly European. It operates a powerful synchrotron X-ray source with some 30 beamlines (instruments) covering a wide range of scientific research in fields such as biology and medicine, chemistry, earth and environmental sciences, materials and surface science, and physics. The ESRF employs about 600 staff and is organized as a French *société civile*.

*The Technical Infrastructure Division is now seeking to recruit a:*

## UNIX System Administration Engineer (m/f)

### an 18-month time limited contract

#### FUNCTION

The successful candidate will join ESRF as a UNIX system administration engineer with in-depth UNIX skills to participate in:

- the daily activities of the team, including the installing software packages, creation of user accounts, providing user support both on software and hardware issues, managing central LINUX servers,
- the management of the OAR Linux cluster,
- the distribution of the LINUX platforms (CentOS5 and Debian6).

Experience in various technical fields such as Linux compute clusters, packaging tools, virtualization, software distribution, authentication, security, networking would be appreciated.

**The Environment:** the ESRF operates a large infrastructure composed of about 400 servers dispatched in two computing rooms. Data Storage is provided by NetApp file servers (800TBytes in total), Backup is carried out using SUN/StorageTek libraries and TimeNavigator software from Atempo. Compute clusters run Linux / CentOS5 and Debian6 and the OAR scheduler, and support various scientific softwares (MatLab, IDL, etc.). Major infrastructure servers consist in SUN/Solaris machines including SUNCluster technology, Linux / CentOS5 and Debian6, and some secondary servers are homed on a Xen/Citrix infrastructure, currently migrating to KVM.

#### QUALIFICATIONS AND EXPERIENCE

The candidate should have a higher university degree (Master, MSc, DESS, Diplom, Diploma, Ingeniera Superior, Licenciatura, Laurea or equivalent). A very good knowledge of the UNIX world - installation, deployment, kernel tuning, NFS), clustering, LDAP, user administration, inter process communication protocols, ssh, etc. - is required. Mastering one or several scripting languages is required (shell, perl). Furthermore, the candidate must be well acquainted with networking (especially DNS and DHCP). Interpersonal skills are important along with an aptitude for team work.

#### OUR OFFER

**The working language of the ESRF is English.** For further information on employment terms and conditions, please refer to <http://www.esrf.fr/Jobs/Conditions>. The ESRF is an equal opportunity employer and encourages applications from disabled persons.

**If you are interested in this position, please apply on-line at this address:**  
<http://www.esrf.fr/Jobs>.

**Ref. CDD/CRISP-UNIX - Deadline for returning application forms:  
25 January 2012**