



European Centre for Medium-Range Weather Forecasts

# VACANCY NOTICE

Date of Issue: 20 November 2013

**FUNCTION:** **Network Analyst**

Interviews for this post are expected to take place week commencing 3 February 2014.

**GRADE:** A2, according to the scales of the Co-ordinated Organisations.

**REFERENCE NO:** VN13-21

**LOCATION:** ECMWF Headquarters at Shinfield Park, near Reading, Berkshire, United Kingdom

**ENVIRONMENT:** The European Centre for Medium-Range Weather Forecasts (ECMWF) is an international organisation supported by 34 States.\*

ECMWF's principal objectives are the development of numerical methods for medium-range, monthly and seasonal weather forecasting; the preparation, on a regular basis, of these weather forecasts for distribution to the meteorological services of the Member States; scientific and technical research directed to the improvement of these forecasts; and the collection and storage of appropriate meteorological data.

Our main computing facility includes supercomputers, networks, archiving and data handling systems. ECMWF is connected to the Internet at 10 Gbps and also to an international MPLS-based meteorological telecommunication system linking 46 countries. The Networks Section is responsible for all voice and data networks, product dissemination, and many supporting services.

ECMWF's network environment includes Arista, Brocade, Vyatta and Cisco platforms, with data centre networks based on the latest 40 Gbps technology. Our LAN and WAN systems use OSPF, MP-BGP, Multicast and IPv6 in production. Further information is available at:

**[www.ecmwf.int/services/computing/overview](http://www.ecmwf.int/services/computing/overview)**

**MAIN DUTIES:** This position is in the Networks Services Team within the Networks Section. The selected candidate will take part in the provision of data centre and office networks, wide-area network services, and security appliances and services.

Duties will change and evolve over time in response to the needs of the computing environment at ECMWF, in particular the high-performance computing facility, and the dissemination of weather products to the Centre's partners around the world.

The selected candidate will also take part in evaluating and implementing networking and security technologies in order to enhance the computing infrastructure, and will participate in a variety of networking-related projects.

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The main duties of the post are:

- Configuring and operating LAN and WAN equipment (switches, routers, firewalls, SLBs, wireless access points)
- Configuring and operating network services (DNS, DHCP, SMTP Relay, RADIUS, NTP, Web Proxy) in a Linux environment
- Maintaining network monitoring solutions and supporting monitoring of the availability, performance and reliability of ECMWF's computer systems
- Monitoring the availability, performance and reliability of the managed MPLS service
- Providing general day-to-day support for the services provided by the Team, including, on a regular basis, 24-hour on-call support
- Writing and updating documentation in the areas of responsibility

**QUALIFICATIONS:** Candidates should aim to demonstrate in the application how their skills and experience match each of the abilities and technologies mentioned in this vacancy notice. Relevant experience may have been gained through paid employment, voluntary or community work, domestic responsibilities, spare time activities, or training.

#### Essential

- A university education to degree standard or equivalent
- At least two years' recent experience in network administration
- Experience configuring network hardware including switches, routers and firewalls
- Practical experience with network monitoring tools and techniques
- Understanding of the requirements for a secure network environment
- Experience troubleshooting a network environment
- Knowledge of a modern scripting language such as Python or Perl
- Comfortable working within the Linux operating system environment
- Highly professional, proactive approach, with excellent analytical skills
- Good interpersonal skills, listening to and respecting the views of others

#### Desirable

- Good understanding of Linux system administration
- Experience configuring and operating services such as DNS, DHCP, NTP, and RADIUS
- Experience with Arista, Brocade, CheckPoint, Fortinet, or Cisco platforms
- Relevant experience applied in a multi-vendor environment
- Experience working with high-speed data centre networks
- Relevant experience in a mission-critical, 24/7 operational environment
- Familiarity with formal project management methods such as PRINCE2

The working languages of ECMWF are English, French and German. Candidates must be able to work effectively in English. A good knowledge of one of the other working languages would be desirable. Interviews will be conducted in English.

ECMWF has an Equal Opportunities Policy and applications from all suitably qualified candidates are welcome.

Staff are usually recruited from among nationals of the Member States and Co-operating States. However, applications from highly qualified candidates who come from other countries will be considered.

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**REMUNERATION:** The successful candidate will be recruited at the A2 grade and the annual basic salary will be **£52,299 net of tax**. This position is assigned to the employment category **STF-C** as defined in the Staff Regulations.

Full details of salary scales and allowances are available on the ECMWF website at: [www.ecmwf.int/newsevents/employment/en/conditions\\_en.html](http://www.ecmwf.int/newsevents/employment/en/conditions_en.html), including the Centre's Staff Regulations regarding the terms and conditions of employment.

**STARTING DATE:** As soon as possible.

**LENGTH OF CONTRACT:** Maximum of four years for initial contract, with the possibility of renewal.

**APPLICATIONS:** Application forms can be downloaded from ECMWF's website:  
[www.ecmwf.int/newsevents/employment/en/](http://www.ecmwf.int/newsevents/employment/en/)

**CLOSING DATE:** Completed applications for this post must reach the HR Section of the European Centre for Medium-Range Weather Forecasts not later than **8 January 2014**.

Interviews for this post are expected to take place week commencing 3 February 2014.

*The ECMWF Member States are: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.*

*The ECMWF Co-operating States are: Bulgaria, Croatia, Czech Republic, Estonia, former Yugoslav Republic of Macedonia, Hungary, Israel, Latvia, Lithuania, Montenegro, Morocco, Romania and Slovakia.*