



**Dublin City University**  
**Faculty of Engineering and Computing**  
**School of Computing**

**Linux Administrator (Three year fixed term contract)**

**Introduction**

Dublin City University ([www.dcu.ie](http://www.dcu.ie)) is a young, dynamic and ambitious university with a distinctive mission to transform lives and societies through education, research and innovation. It is research-intensive, globally engaged and distinguished by both the quality and impact of its graduates, and its focus on the translation of knowledge into societal and economic benefit. DCU prepares its students well for success in life and in the workplace, by providing a high-quality education appropriate to solving grand global challenges of the 21st century. Excellence in its education and research activities has led to DCU's consistent presence in the rankings of the world's top young universities.

**The Position**

The School of Computing in DCU is currently recruiting for a Linux Administrator to support its Undergraduate computer laboratories, related student IT services, postgraduate and academic body. The successful candidate will form part of the School's IT team and be responsible for the management, administration and security of Linux for undergraduate, postgraduate and academic staff computers. He/She will have to deal with multi-level technical issues and requests as required. These

activities may include the definition of needs, specification of hardware and software, technical strategy, technical analysis, design, deployment and testing of Linux solutions.

The School of Computing IT services are delivered from a VM private cloud, running XenServer with multicore hosts and large Storage Array Networks. This private cloud is dual located and designed for resilience, redundancy and high availability. The network runs on a Juniper core with high-speed edge switches providing 1 Gb to the desktop. The School of Computing is one of three schools that constitute the Faculty of Engineering and Computing at Dublin City University and has laboratories with of 370 high spec desktop PCs (Windows/Linux) used for teaching, software development and laboratory based examinations.

**Key Responsibilities and Duties:**

The duties & responsibilities of the role will include, but are not limited to the following:

- Responsible for the operation, administration, deployment and maintenance of Linux desktop systems in Undergraduate computer labs
- Provide Tier 1 & 2 level support to students and staff on Linux related issues
- Provision of safe, secure and reliable examination environment across multiple computing desktop laboratories.

- Building, implementing and maintaining Linux desktop based services/solutions including image creation and deployment
- Ability to troubleshoot technical issues taking account of network, DNS, server and storage configurations
- Responsible for the operation, administration and maintenance of student Linux based servers and services (SSH gateway, student disk quota, Databases, Blogs)
- Responsible for the operation, administration and maintenance of the School of Computing website
- Work as part of a team to formulate and deliver innovative ideas and solutions.
- Research and recommend improvements for system administration tasks

### **The Person**

Candidates will have a primary and / or postgraduate degree in a relevant IT, Engineering or Computer Science discipline and should normally have a minimum of three years relevant experience. S/he will be hands on individuals with good interpersonal skills. Further an understanding of the requirements of a University Computing School with an awareness of appropriate current and developing technologies is desirable.

### **Essential Skills**

- Strong knowledge of Linux OSes, filesystems and processes
- Strong interpersonal and communication skills, with the ability to work independently.
- Good knowledge of dual-boot systems running on both legacy MBR and UEFI/GPT boot systems
- Good knowledge of network services such as DNS, DHCP, LDAP and NFS
- Strong system automation skills using common scripting languages such as Bash, Python, Perl and Ruby.
- Configuration of Linux kernel firewalling using iptables
- Design and administration of Content Management Systems running on LAMP platform.
- Excellent knowledge of Apache configuration
- Good understanding of Network topology, subnetting & VLANs
- General SQL querying skills
- Excellent Analytical skills and Problem-solving abilities.

### **Desirable Skills**

- Experience with network monitoring and alert management systems
- Experience with Virtualisation and Container technology
- Git experience
- Knowledge of Clonezilla open source disk and partition imaging software
- Knowledge of SUSE Linux variant
- Understanding of the OSI network stack
- Experience in administration of other operating systems (Windows, Mac OS) would be advantageous.
- Experience of working in educational/university environment
- Certification in IT Operations or IT Security

**Salary Scale:**

Senior Admin Assistant I: €47,386 - €57,099\*

Appointment will be commensurate with qualifications and experience and in line with current Government pay policy

**Closing date:** Friday 28<sup>th</sup> June

**Application Procedure****Informal enquiries to:**

Professor Rory O'Connor, Head of School of Computing, Dublin City University, Dublin 9, Ireland

Email: [Rory.OConnor@dcu.ie](mailto:Rory.OConnor@dcu.ie)

Tel: +353 (0)1 700 5643

Website: <http://www.computing.dcu.ie>

*Please do not send applications to this email address, instead apply as described below*

Application forms are available from the DCU Current Vacancies (open Competitions) website at <http://www.dcu.ie/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 7005149.

**Please clearly state the role that you are applying for in your application and email subject line: Job**

**Ref #BC0704A: Linux Administrator School of Computing**