

Opportunity for a System, Network & Infrastructure Engineer

Join the dynamic and multicultural team behind one of Europe's largest top-level domains, .eu (also available as .europa and .europa).

EURid is a human-sized, tech-oriented, not-for-profit organisation responsible for managing, operating and promoting the .eu top-level domain. Since its creation in 2003, EURid has developed strong technical expertise in the domain name industry and delivers secure, highly available and accessible services to millions of users across Europe and beyond.

Our technology platform is evolving to meet new regulatory, security and technological challenges. We are modernising our infrastructure with a strong focus on resilience, automation, observability, security and long-term technological sovereignty. To strengthen our Infrastructure & Operations team, we are looking for a System, Network and Infrastructure Engineer to join our Belgium office in Diegem.

Role description

As a System, Network and Infrastructure Engineer at EURid, you will help design, operate and evolve the infrastructure supporting our critical DNS, domain registration and organisational services. The position has a particular focus on network engineering and distributed infrastructure, while remaining part of a broader infrastructure team responsible for systems, platforms, private cloud and service reliability.

You will also contribute to EURid's DNS Competence Center, working with colleagues across engineering and R&D to strengthen and evolve our DNS expertise and capabilities.

You will work across both our existing production environment and our next-generation infrastructure. This includes contributing to the evolution of our datacentre network architecture, private-cloud infrastructure, DNS and anycast environment, automation and observability capabilities.

This is a hands-on engineering role. You will contribute to technical design, translate architecture into practical implementations, operate production infrastructure and participate in the continuous improvement of platforms that must remain available 24/7.

Key responsibilities

You will contribute across several domains:

Network and distributed infrastructure

- Design, implement and evolve physical and logical network infrastructure across our datacentre environments.
- Configure and operate routing, switching, firewalling, connectivity and traffic flows.
- Contribute to network underlay and overlay design supporting our private-cloud and next-generation infrastructure.
- Support distributed infrastructure and DNS-related network behaviour, including BGP, anycast and traffic engineering.

- Contribute to network segmentation, access control, resilience and secure connectivity.
- Participate in network redesign and infrastructure-separation initiatives where required.

Infrastructure and platforms

- Contribute to the design, implementation and future operations of high-availability infrastructure supporting EURid's critical services.
- Work with Linux-based platforms, virtualisation, containerisation and private-cloud technologies.
- Support infrastructure services such as DNS, DHCP, NTP, load balancing, storage, backup and related platform capabilities.
- Contribute to infrastructure lifecycle management, capacity planning, resilience and platform modernisation.
- Help ensure effective coexistence and migration between current and next-generation environments.

DNS and critical services

- Support the infrastructure underlying EURid's authoritative DNS and registration services.
- Contribute to the operation and evolution of authoritative DNS, DNSSEC and distributed DNS infrastructure.
- Actively contribute to EURid's DNS Competence Center, bringing network and infrastructure expertise to DNS engineering, architecture, operational practices and technical evolution.
- Support DNS network capabilities, including unicast, anycast, routing and traffic engineering.
- Help ensure the availability, performance, security and resilience of services supporting millions of domain names.

Automation and observability

- Develop and improve infrastructure automation using configuration-management and Infrastructure as Code practices.
- Automate provisioning, configuration, operational controls and repetitive infrastructure tasks where appropriate.
- Contribute to monitoring, logging, alerting and observability using technologies such as Prometheus, Grafana and Graylog.
- Use operational data to identify performance, capacity and reliability improvements.

Operations and reliability

- Monitor infrastructure health, performance, capacity and dependencies.
- Diagnose and resolve production incidents involving systems, networks and infrastructure platforms.
- Contribute to root-cause analysis and corrective and preventive actions.
- Prepare and execute infrastructure changes, maintenance, upgrades and migrations with appropriate testing, rollback and recovery arrangements.
- Participate in EURid's formal 24/7 on-call rotation supporting critical services.

Security, resilience and compliance

- Implement and maintain infrastructure security controls including network segmentation, secure configuration, access control, logging and vulnerability remediation.
- Work closely with the Security and Architecture teams to ensure infrastructure solutions comply with EURid's security, resilience and regulatory requirements.
- Contribute technical evidence and information for audits, risk assessments and compliance activities.
- Support backup, recovery, failover and disaster-recovery capabilities and their testing.

Documentation and lifecycle management

- Maintain accurate network and infrastructure architecture, configuration and operational documentation.
- Contribute to infrastructure inventory and configuration-management practices.
- Help ensure that configurations, dependencies, lifecycle status and technical ownership remain visible and up to date.
- Document technical decisions and implementations as part of normal engineering work.

Collaboration

- Work closely with other infrastructure engineers, Software Engineering, Architecture, Security and Service Delivery.
- Contribute technical input to infrastructure and network architecture decisions.
- Collaborate with datacentre, network, hardware, software and specialist infrastructure suppliers.
- Review and challenge supplier proposals where required and validate delivered technical work.
- Share knowledge and contribute to the continuous development of the team.

Your profile

Education and experience

- Degree in computer science, IT, engineering or a related field, or equivalent relevant professional experience.
- 7+ years of hands-on experience in network, system or infrastructure engineering roles.
- Strong experience working with service critical production environments.
- Experience working with complex or distributed infrastructure environments is highly valued.

Technical skills

We are particularly interested in candidates with strong networking expertise combined with broader infrastructure experience and hands-on experience in the following areas:

- TCP/IP network fundamentals and. routing protocols, BGP, OSPF or equivalent.
- Enterprise routing and switching.

- Firewalls, network segmentation and network security.
- Strong foundation in Linux (RHEL derivatives such as AlmaLinux or Rocky Linux).
- Hands-on experience of Authoritative DNS and DNSSEC, production environments.
- High-availability and distributed infrastructure.
- Virtualization, containerization or private-cloud platforms (VMware, Docker, Kubernetes).
- Infrastructure automation and configuration management.
- Scripting with Python, Bash or comparable languages.
- Monitoring, logging and observability in production environments.
- Git and source-code management practices.
- Troubleshooting across network, system and infrastructure layers.
- Producing and maintaining infrastructure/network diagrams and low level designs,
- Experience working in iterative Agile environment, including refinement, estimations.

Experience with some of the following would be particularly valuable:

- Juniper networking technologies and Palo Alto firewalls.
- Anycast network design and traffic engineering.
- VXLAN, overlay/underlay networking or software-defined/private-cloud networking.
- OpenStack or similar private-cloud environments.
- Ansible, Terraform or comparable Infrastructure as Code tools.
- GitLab CI/CD or similar CI/CD tooling and pipelines.
- Prometheus, Grafana, ELK or Graylog.
- NetBox or similar network and infrastructure source-of-truth platforms.
- Experience operating PostgreSQL infrastructure, in collaboration with DBA services.
- Architecture and modelling approaches such as ArchiMate, UML or equivalent.
- Familiarity with tools such as Jira, Jira Service Management and Confluence.

What we are looking for

- Strong problem-solving, troubleshooting and analytical skills.
- Team player with Service-oriented mindset and genuine sense of ownership.
- Curious, proactive, eager to learn, improve and willingness to share knowledge.
- A structured and pragmatic engineering mindset.
- Attention to documentation, maintainability and operational quality.
- Ability to understand dependencies across networks, systems, platforms and applications.
- Enjoy moving from technical design to hands-on implementation and production support.
- Good communication skills in English.

What we offer

- The opportunity to work on critical European DNS, anycast, networking and distributed internet infrastructure.
- A hands-on role with real impact in a small, expert-driven team.
- A dynamic and international work environment.
- A competitive compensation package that includes a competitive salary, a company car, meal vouchers, a comprehensive group and health insurance plan and additional holidays.
- Healthy work-life balance including hybrid work.
- Opportunities for technical growth, training and development.
- A role that directly contributes to Europe's digital resilience and technological sovereignty.

You will join a highly skilled, mission-driven team working on projects that matter for Europe's digital future. So don't miss this exciting opportunity to take your career to the next level and help build the future of the Internet in Europe.