Senior IT Infrastructure Engineer (Linux)

at Extreme Light Infrastructure - Nuclear Physics (ELI-NP) Research Facility

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Job Description and Candidate's Profile

Position Description

The Senior IT Infrastructure Engineer's activity consists in providing advanced engineering, operating, and subject matter expertise for the virtualized IT infrastructure of ELI-NP. The primary focus area consists of the hypervisor layer (CentOS/KVM) and of the associated components, services (incl. container providers: Docker) and/or applications, as well as of the data storage systems (directly and remotely attached). Furthermore, the IT Infrastructure Engineer will provide specialist support for the preparation and/or review of the technical documentation for IT equipment *purchases* within the ELI-NP group.

Main tasks

- Produce and operate complex, enterprise-level designs for the virtualization (Centos/KVM, Docker containers) and data storage platforms, and ensure their optimal, highly-available functioning.
- Install, configure, and maintain the virtualization infrastructure components and related third-party software utilities within the operational guidelines of the Institute.
- Install, configure, and maintain the data storage infrastructure components and related third-party software utilities within the operational guidelines of the Institute.
- Root Cause Analysis and Problem Management for the services related to the aforementioned items.
- Serve as an escalation point for complex internal support and troubleshooting cases.
- Perform daily system monitoring, verifying the integrity and availability of all underlying resources, systems and key processes, periodically reviewing system and application logs.
- Create and maintain system documentation for domain technologies, including installation, configuration, and appropriate troubleshooting steps.
- Provide knowledge transfer to colleagues as required
- Effectively collaborate with cross-departmental teams and provide SME guidance/feedback.
- Be involved in providing advanced technical support for the infrastructure services (compute, storage, networking) offered by the ELI-NP IT group;

Requirements for filling the position

- ✓ Higher education graduate with an engineering diploma, preferably in a computer-science related major;
- ✓ Minimum 5 years overall IT experience with 3-5 years of experience working with Linux-based (CentOS) virtualization technologies and with containers (Docker).
- ✓ In-depth knowledge of data storage technologies, solutions and design patterns.
- ✓ Experience in monitoring and automating the virtualization and data storage infrastructure.
- ✓ Solid networking knowledge, especially in relation to the virtualization and storage stacks.
- ✓ Experience with scripting and monitoring tools.
- ✓ Up-to-date knowledge of and practical experience with industry best practices or standards, both IT- and security-oriented (topics such as backup & replication, hardening, etc.).
- ✓ Solid general understanding of enterprise-level IT systems and of the associated operational and security requirements;
- ✓ Experience in interacting with vendors and solutions/technology providers.
- ✓ Good interpersonal skills, a strong team spirit and a result-oriented attitude, as well as a capability to deliver when working under tight deadlines.
- ✓ Ability to establish new standards for quality, performance or productivity.
- ✓ Fluent in English.

Conditions of employment

- ★ Full time position, based in Bucharest - Măgurele, Romania, for one year with the possibility of extension;
- ★ Member of an ambitious, dynamic and result-oriented team operating in a friendly international working environment;
- ★ Rare opportunity to further your career in a modern IT environment that supports a world-leading scientific project;
- ★ Chance to take on IT challenges that go beyond the 'usual' office/enterprise environment by crossing into high performance / high throughput computing;
- ★ Motivating package (salary, trainings, etc.) according to your qualifications and (practical) experience.

Applications

- ✓ Applications shall be accompanied by the documents requested in the Rules of Selection for this position.
- ✓ Applications shall be sent to the Human Resources Department at human.resources@eli-np.ro.