**Linux Operating Systems Maintenance and Support (EPO)**

**Location:** Skopje, North Macedonia

**Deadline:** 18.03.2021

**Reference:** 1559

We are recruiting a Linux Operating Systems Maintenance and Support should be for work for our Customer (EPO) from our off-site office in Skopje.

**Responsibilities:**

The EPO is rapidly moving towards cloud and cloud-native technologies, nonetheless a diverse and big LINUX and UNIX server infrastructure running on-premise remains and is distributed in main EPO datacentres in Munich, The Hague and Luxemburg.

These installations are a mix between predominantly virtualised Linux on VMware and bare metal servers. EPO uses for virtualised Linux on VMware predominantly SuSE Linux Enterprise server (with SaltStack as management software) and few Red Hat Enterprise Linux (RHEL) to support on premise cloud-native technologies EPO has deployed on bare metal servers mainly Fedora CoreOS and CoreOS. On these servers a wide variety of applications are hosted. Both in-house developed software, externally developed custom made software and off-the-shelf software are used. The volume of the below presented Linux operating systems - related activities are expected to stay flat over the lifetime of this contract.

The objectives of these services are:

* Support the EPO to develop and implement the cloud expansion of Linux operating system servers Ensure the availability and proper performance of the EPO LINUX and UNIX infrastructure and supporting systems.
* Plan, propose and implement the necessary changes in the systems to ensure availability, stability and service improvements.

The EPO on premise IT infrastructure is mainly using HPE hardware equipment and, as virtualisation technologies, VMware and Docker&Kubernetes. A small number of LENOVO, IBM and DELL servers are still in use but are planned to be decommissioned. Storage systems used are mainly HPE.

The support services requested in this service shall deliver 2nd and 3rd level support for:

* all EPO LINUX and UNIX server infrastructure

**Profile:**

* At least 5 years proven experience of SuSE Linux Enterprise Server (SLES) system engineering and system administration
* At least 5 years proven experience of RHEL and good experience with Fedora CoreOS system engineering and system administration
* At least 5 years proven experience of running Linux as virtual guests on VMware
* At least 3 years proven experience of working with HPE Synergy hardware (usage of OneView is a must)
* Proven experience of tuning of applications, in particular of advanced search engines (e.g. EPO search engine is Epoque)
* For Kubernetes related tasks, basic knowledge of Kubernetes and basic knowledge of platform components is required. This also implies good knowledge of YAML. In addition, good knowledge of software and system engineering concepts, especially cloud-native architecture and landscape is required
* Proven experience with IBM Spectrum Scale.
* Proven experience in debugging issues in the interface between operating system, virtual machines and hardware
* At least 5 years proven experience of system engineering and system administration of OpenLDAP.
* At least 5 years proven experience of system engineering and system administration of SAN storage devices on virtualised servers
* At least 5 years proven experience of scripting in Bash, Perl and/or Python
* A thorough understanding of HA concepts and clustering is a mast - IBM Spectrum Scale previous experience is a must
* Good knowledge of at least one of the following automation tools:
	+ SaltStack and xCAT2 it is a must, Ansible, Terraform or other automation tools will be appreciated
* Fluent in English; knowledge of another language is an asset

**Contact:**

Please send your CV (in English) as soon as possible, but no later than **18.03.201** to **jobs@sapienzaconsulting.com**

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