GUI-based Ceph solution for file, block and now also S3 storage

EUROstor Ceph Clusters based on PetaSAN become more and more powerful

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Linux-based Ceph storage systems are the all-rounders in storage environments. They are practically infinitely scalable, create redundancy at node level even across rack and fire protection zones and can be connected to the clients via gateways using practically all important protocols. The file system is self-healing and distributes the data independently across the nodes.

However, a great deal of know-how and experience is required to configure Ceph at the Linux level. Many parameters have to be taken into account in order to achieve optimal performance. The training of staff for this is correspondingly time-consuming.

Management and configuration of the clusters becomes much easier with overlaying software and a GUI that can be operated without Linux and Ceph knowledge.

Such a solution is the open source software by PetaSAN, which EUROstor uses together with its servers to offer optimally equipped, performance-optimized Ceph clusters. Via the GUI, one can set up pools click by click as needed and make the volumes available to the clients. And if the storage space is no longer sufficient, you simply add more nodes. For Ceph professionals, there is also the option of entering Ceph commands directly via the GUI.

Originally, the GUI was only designed for iSCSI applications. Later, SMB and NFS were added as protocols. Another new feature is the possibility of setting up S3 pools, so that the cluster can also be used for private cloud solutions, for example.

At least four nodes are required for productive operation. The data is then distributed evenly among the nodes in a triple mirror. If a node fails, there is enough space to automatically complete the incomplete data sets again. With a larger number of nodes, the data can also be distributed via erasure coding, which significantly reduces wastage.

 "Simple storage management, but also expansion and update of central storage solutions without downtime are very important for our customers," says Franz Bochtler, Managing Director of EUROstor. "If such a system then also fulfils all functions from file server to private cloud, that is of course perfect."

The systems are offered with up to 5 years warranty and optional advance replacement or even on-site service. For example, a cluster node with eight 12 TB nearline SAS disks as OSDs, two 1.92 TB cache SSDs and two 800 GB NVMe U.2 Journal SSDs costs € 8,990 (with VAT € 10,698.10). Three years of software support NBD by the manufacturer PetaSAN are included.

More information about EUROstor Scale-out Ceph Clusters with PetaSAN Software:

https://www.eurostor.com/PetaSAN

About EUROstor:

EUROstor has been a manufacturer of storage systems since 2004. At the beginning the company produced RAID systems; today server-based systems, operating as flexible storage servers are the main constituents of our product portfolio – perfectly custom-tailored in accordance with the respective requirements. The solutions range from small file servers and CCTV storage to highly-available storage clusters, scale-out clusters and cloud solutions.

EUROstor is based in Filderstadt near Stuttgart and distributes its products to end customers throughout Europe, medium-sized companies, universities, research institutes and computer centers.

Further information about EUROstor storage solutions can be found at https://www.EUROstor.com.

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