



Data center energy storage russia

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Solutions. For more than 10 years, RSC has been developing and building unique ...

Products RSC develops and builds a full range of products for unique energy ...

Projects We help our clients to design and create unique scientific and industrial ...

Examples - Vedushhiy v Rossii i SNG razrabotchik i integrator ...

RSC's all-in-one Edge Computing solution gives you all of that in full-fledged micro ...

MOSCOW, July 6 2021 – Four storage systems have been installed by RSC, the leading Russian developer and worldwide well-known integrator of innovative high-dense energy-efficient solutions for HPC (high-performance computing), data centers, cloud platforms and storage-on-demand, are the only Russian systems in the new global IO500 rating of the best performing HPC-grade storage (announced at ISC 2021, the largest European supercomputer exhibition). RSC has increased its presence in this prestigious list by 33% (from three systems in the previous rating).

The current IO500 list includes a new segment based on RSC Storage on-Demand solution with support of Intel's DAOS open source storage system, which has been implemented at the Joint Institute for Nuclear Research (JINR, Dubna). It is the leading Russian system in the rating on the 27th position. This pilot project with DAOS support has been created for data processing purposes within the scope of NICA mega project. JINR's Lustre based storage system is also a part of IO500 on 31st place. Storage system of MVS-10P OP2 supercomputer (Joint Supercomputer Center of the Russian Academy of Sciences, JSCC RAS) holds 27th position in the list, and the storage system of Polytechnic RSC Tornado supercomputer (Saint Petersburg State Polytechnic University, SPbPU) stays on 36th place.

When Govorun supercomputer was just deployed at JINR in June 2018, it occupied the high 9th place in the global IO500 rating.

DAOS support in RSC Storage-on-Demand solutions

In addition to NFS and Lustre file systems, RSC's Storage on-Demand solutions now support Intel's distributed open-source object storage system, DAOS (Distributed Asynchronous Object Storage). It provides highest processing speeds for various types of data in the distributed storage system.

DAOS provides significant performance increase with a number of architectural principles:



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New RSC Storage on-Demand user interface

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