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## **RSC BasIS Platform - micro-agent platform to manage computer clusters**

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Nowadays there are a lot of loosely connected layers in datacenter management systems such as: datacenter facilities, computing nodes, storage systems, networks or job schedulers. We see the need to have a comprehensive approach to manage these resources as a whole.

The talk covers our search for optimal methods and tools to manage data processing infrastructure - to incorporate best practices from different industries into a comprehensive yet flexible platform and to build a community around it.

Thus, we would like to demonstrate our RSC BasIS Platform for data center automation, running Govorun cluster in JINR and many others. The platform is under active development, and not only does it provide its users with a way to effectively manage all levels of their HPC datacenters but makes independent systems work together, sharing their resources and users.

Operating experience and plans for further development will be discussed.

Storage-on-demand: storage and compute united. RSC Tornado hyper-converged solution for data processing

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