

## **Monitoring system development for the GOVORUN supercomputer**

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The GOVORUN supercomputer is designed for the development of parallel applications and for carrying out parallel computations required by a wide range of tasks in JINR.

To increase the efficiency of the GOVORUN supercomputer, the following should be done:

- a) supercomputer's accounting system - helps supervisors and system administrators evaluate performance of the supercomputer;
- b) nodes utilization and services monitoring system- helps users to optimize usage of the supercomputer nodes and improve their own code;
- c) monitoring of servers –notifies system administrators about failure statistics;
- d) engineering infrastructure monitoring system –notifies system engineers about failures.

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