

The 8th International Conference "Distributed Computing and
Grid-technologies in Science and Education" (GRID 2018)



Contribution ID: 236

Type: **Plenary reports**

Multicomponent cluster management system for the computing center at IHEP

Wednesday, 12 September 2018 08:30 (30 minutes)

Cluster management system is a core part of any computing infrastructure. Such system includes components for allocating and controlling over resources for different computing tasks, components for configuration management and software distribution on the computing hardware, components for monitoring and management software for the whole distributed infrastructure. The main goals of such system are to create autonomic computing system with functional areas such as self-configuration, self-healing, self-optimization and self-protection or to help to reduce the overall cost and complexity of IT management by simplifying the tasks of installing, configuring, operating, and maintaining clusters. In the presented work current implementation of the multicomponent cluster management system for the IHEP computing center will be shown. For the moment this system consists of event-driven management system, configuration management system, monitoring and accounting system and a chat-ops technology which is used for the administration tasks.

Primary author: Mr KOTLIAR, Viktor (IHEP)

Co-authors: Mrs KOTLIAR, Anna (IHEP); Mrs POPOVA, Ekaterina (IHEP); Ms EZHOVA, Victoria (IHEP)

Presenter: Mr KOTLIAR, Viktor (IHEP)

Session Classification: Plenary reports