Contribution ID: **33**   Type: **Sectional reports**

Development of the active monitoring system for the computer center at IHEP

Thursday, 7 July 2016 16:00 (15 minutes)

Computer center at IHEP is a complex system of many technologies gathered together. Among them distributed computing, high throughput networking, high reliable uninterpretable power systems, precision cooling systems. Monitoring and control such complex is a very difficult task. Even more difficult is to create self-optimization, self-healing and self-defense systems on top of the monitoring. As a first step it might be a creation of several databases to accumulate all information about center infrastructure, events, logs, statutes and then as second step a creation of an active monitoring system which could be able to perform simple tasks itself or make advices for the human interventions. The current status of the development of such system for the IHEP computer center described in this work.

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Session Classification: 3. Middleware and services for production-quality infrastructures

Track Classification: 3. Middleware and services for production-quality infrastructures