

The goal of the work was to study of public and specialized software tools which can be used for monitoring of computing farms. Nagios and Ganglia were chosen as suitable products for Goliath farm monitoring in Institute of Physics, Academy of Sciences, Czech Republic. Ganglia was installed from scratch and Nagios was reconfigured. We decided to extend Nagios functionality with additional components. As the extensions which fulfil our demands do not exist, we decided to develop and implement new ones. In this work, this group of components was named NagiosTools. These components are designed generally and they can be used for other similar computing environments. During work monitoring data from Goliath farm were collected.