



Contribution ID: 150

Type: **Sectional reports**

The JINR distributed information and computing environment: participants, features and challenges

Thursday, 8 July 2021 13:45 (15 minutes)

The JINR distributed information and computing environment (DICE) was created to join resources for solving common scientific tasks as well as to distribute a peak loads across resources of partner organizations from JINR Member States. To monitor hardware resources and services of growing DICE infrastructure a system based on Prometheus and Thanos was designed and deployed. Collected metrics including the JINR DICE participants geographical locations are visualized with help of Grafana. Software distribution is done with help of CERN Virtual Machines File System. All these topics as well as challenges and possible overcomes are covered in detail.

Summary

Primary author: KUTOVSKIY, Nikolay (JINR)

Co-authors: Mr BALASHOV, Nikita (JINR); MAKHALKIN, Aleksander; MAZHITOVA, Yelena (JINR); SEMENOV, Roman (JINR); PELEVANYUK, Igor (Joint Institute for Nuclear Research); KUPRIKOV, Igor

Presenter: KUTOVSKIY, Nikolay (JINR)

Session Classification: Distributed computing systems

Track Classification: 1. Distributed computing systems