

10th International Conference "Distributed Computing and Grid Technologies in Science and Education" (GRID'2023)



Contribution ID: 375

Type: **not specified**

Changes and challenges at the JINR and its Member states cloud infrastructures

Friday, 7 July 2023 09:00 (30 minutes)

The advantages of cloud technologies allowed the latter to occupy a certain niche in the field of scientific computing. Around decade ago following that trend a cloud infrastructure had been deployed at JINR and later in the scientific organizations of the its Member States. These cloud resources were integrated into a Distributed Information and Computing Environment (DICE) to combine computational power for solving common scientific tasks, as well as to distribute peak loads across participants. During last couple years the activities on the JINR cloud infrastructure are mostly focused on increasing a quality of service. Main issues faced with and the ways of solving them are given. Some statistics on the resources utilization is provided as well as changes in both the JINR cloud and the DICE infrastructure.

Summary

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

Presenter: KUTOVSKIY, Nikolay (JINR)

Session Classification: Plenary

Track Classification: Plenary