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## Present status and main directions of the JINR cloud development

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The JINR cloud grows not only in terms of the amount of resources, but also in the number of activities it is used for, namely, COMPASS production system services, a data management system of the UNECE ICP Vegetation, a service for disease detection of agricultural crops through the use of advanced machine learning approaches, a service for scientific and engineering computations, a service for data visualization based on Grafana, the jupyterhub head and execute nodes for it, gitlab and its runners as well as some others. Apart from that, there was a successful attempt to deploy in the JINR cloud a virtual machine with a GPU card passed through from the server for developing and running machine and deep learning algorithms for the JUNO experiment. Moreover, the JINR distributed information and computing environment joining resources from the JINR Member State organizations with the help of the DIRAC grid interware began to be used for running BM@N and MPD experiment jobs. The software distribution on these remote resources was done with the help of the CernVM File System. All these topics are covered in detail.

## **Primary author:** Dr KUTOVSKIY, Nikolay (JINR)

**Co-authors:** BARANOV, Alexandr ((JINR)); Mr BALASHOV, Nikita (JINR); Mr SEMENOV, Roman (JINR); Ms MAZHITOVA, Yelena (Joint Institute for Nuclear Research)

Presenter: Dr KUTOVSKIY, Nikolay (JINR)

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