

# Status of the NICA offline computing cluster at LHEP

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# NCX cluster

- Interactive nodes: 6
- Batch nodes: 90
- Technical nodes: 10
- 3 types of servers: 64-512, 80-384, 80-512
- Internal network: 100Gb/s
- Backbone network: 400Gb/s

# Announced changes and improvements

- Upgrade internal network
- Re-registration of users: 500 -> 140
- Install Freeipa for all nodes
- Update batch system: SGE -> SLURM
- New storage configuration for users home dir

# Storage configuration

## NVME shared disk storage:

- junk 60T
- scratch 60T
- users home 3.9T

## SAS shared disk storage:

- scratch1 160T
- scratch2 160T
- EOS 11P

## Additionally mounted:

- AFS
- cvmfs
- bmn-fs.jinr.ru

# Future plans

- Add additional space using old shared disks
- Update monitoring system with Igor Pelevanyuk
- Update EOS storage system to the latest version
- Mount shared storage with LIT based on a lustre file system

Thank you for your attention!