

EOS 2024 Workshop



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The Institute of High Energy Physics (IHEP) has been utilizing the EOS storage system since 2016, with the current capacity nearing 60PB. We use EOS to provide both disk and tape storage solutions for HEP experiments. This report will introduce some of work we carried out in 2023, which include:

1. The adoption of EOS as SE for the WLCG Tier2, replacing the previous DPM system, and the provision of SE and CTA services for the LHCb Tier1 via EOS.
2. The upgrade of our system from EOS V4 to V5, which addressed the issue of high concurrency demands posed by the LHAASO experiment instance.
3. The establishment of a new ARM EOS cluster, which has reached a capacity of 2PB.

Additionally, we have conducted extensive testing and validation of EOS on AlmaLinux. Our plan is to migrate our entire computing cluster to AlmaLinux 9.2 by the end of June this year.

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