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AFS deployment and activities of IHEP

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This presentation will introduce the deployment status and activities of AFS at IHEP. AFS (Andrew File System) is a distributed file system that provides namespace architecture aimed at dispersed computing environments and a set of tools geared toward ease of use and manageability. AFS was firstly deployed in IHEP 10 years ago, which worked as home directory for all users in IHEP. During recent years, many activities related to AFS were launched, including performance tuning, upgrading, data migration, data backup and so on. Also, integration of torque and AFS was developed and applied to part of computing farm. And we have developed authorization services for web portals of cluster like monitoring system, Clouds platform and accounting system. It is integrated AFS authentication flexibly eliminating the complexity of account management, which has greatly improved the efficiency of operation. In addition, AFS and IPV6 estimation and evaluation are carried out.

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