Contribution ID: **7**   Type: **not specified**

Design and production experience with a multi-petabyte file-system backup service at CERN

We report on our experience with the production backup orchestration via "cback", a tool developed at CERN and used to back up our primary mounted filesystem offerings: EOS (eosxd) and Ceph (CephFS). In a storage system that handles non-reproducible data, a robust backup and restore system is essential for effective disaster recovery and business continuity. When designing a backup solution, it is crucial to consider the same factors that apply to the production service itself: scalability, performance, security, and operational costs. In this contribution, we will discuss the challenges we encountered, the decisions we made, and the innovative strategies we implemented while designing cback. Many of these insights can be applied to other backup strategies as well.

Desired slot length

15-20

Speaker release

Yes

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