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Backup Infrastructure at CERN

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CERN's current backup and archive service hosts 5.5 PB of data in more than 1.6 billion files. We have over 1200 clients which back up or restore an average of 50 TB of data each day. At the current growth rate, we expect to have about 7 PB by the end of 2012.

In this contribution we present CERN's backup and archive service based on the IBM Tivoli Storage Manager. We show the architecture and design of the system, the user requirements and the operational issues, the current limitations of TSM and what we hope will be improved in the future.

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