

## Backup Infrastructure at CERN

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CERN's current Backup and Archive Service hosts 11 PB of data in more than 2.1 billion files. We have over 500 clients which back up or restore an average of 80 TB of data each day. At the current growth rate, we expect to have about 13 PB by the end of 2018.

In this contribution we present CERN's Backup and Archive Service based on IBM Spectrum Protect (previously known as Tivoli Storage Manager). We show the architecture and design of the system, the user requirements, the operational issues, the growth challenges and the options for resolving them.

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