The cloud storage service bwSync&Share at KIT

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The Karlsruhe Institute of Technology introduced the bwSync&Share collaboration service in January 2014. The service is an on-premise alternative to existing public cloud storage solutions for students and scientists in the German state of Baden-Württemberg, which allows the synchronization and sharing of documents between multiple devices and users. The service is based on the commercial software PowerFolder and is deployed on a virtual environment to support high reliability and scalability for potential 450,000 users. The integration of the state-wide federated identity management system (bwIDM) and a centralized helpdesk portal allows the service to be used by all academic institutions in the state of Baden-Württemberg. Since starting, approximately 15 organizations and 8,000 users joined the service. The talk gives an overview of related challenges, technical and organizational requirements, current architecture and future development plans.

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