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Storage Service for Scientific Documentation

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Collaborative work on documents is an essential part of scientific research, especially in large collaborations. Various software tools are used to organize and facilitate this process as well as to store files. Some of the most widely used tools in the scientific community include DocDB, XWiki, and the CERN Document Server. Currently, several independent instances of the DocDB system have been deployed at the Joint Institute for Nuclear Research (JINR). However, the use of the system has revealed some issues related to security and reliability, as well as the need for additional features. The support and improvement of this system is a complex process due to its outdated technological foundations. In order to avoid the high efforts associated with addressing the mentioned issues and due to the lack of any suitable alternative, the cloud team has started developing a new platform for scientific documentation. This project aims to develop a more secure, reliable, and feature-rich software platform called "SciDocsCloud"for tracking document in scientific collaboration. It is free and open-source software. Once the core features of the DocDB system have been completed, the platform will be made available in a public repository on GitHub. At the moment, the SciDocsCloud has implemented enough features to cover the most common use cases. This report provides an overview of the service for JINR research groups based on platform, includinginformation about the architecture of the service, its key features, as well as the current status and roadmap.

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