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Keeper service: Long term archiving tool for Max-Planck institutions on base of Seafile

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Keeper is a central service for scientists of the Max Planck Society and their project partners for storing and archiving all relevant data of scientific projects. Keeper facilitates the storage and distribution of project data among the project members during or after a particular project phase and seamlessly integrates into the everyday work of scientists. The main goal of the Keeper service is to ensure sustainable and persistent access not only to the scientific project results but also to all data created during the research project, without any additional effort. All scientific projects stored in Keeper can be listed in the project catalog, which is only accessible within the Max Planck Society. The Keeper service fulfills the archiving regulations of the Max Planck Society as well as the German Research Foundation to ensure 'good scientific practice', takes care of project data after project ending and therefore is long term archiving (LTA) compliant. The specific features like Cared Data Certificate have been developed to support the LTA requirements.

This talk will cover a development evolution of the Keeper service: from target-setting to the building of service infrastructure as HA cluster on top of Seafile software. We will explain the Keeper use cases in the Max-Planck Society context and specific features developed to support them. An important part of the talk will be dedicated to the long term archiving aspects of the project, institutional as well as technical.

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