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Site Report sciebo

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Sciebo is an owncloud based sync and share solution for academic institutions in North Rhine-Westphalia, Germany. It was started in 2015 and is operated by the University of Münster. With close to 200k users and over two petabyte of used storage, the hardware and administrative requirements are quite demanding.

In its current form sciebo runs an ownCloud instance for each participating institution, distributed across three sites at the universities of Bonn, Duisburg-Essen and Münster. All instances share access to a single OnlyOffice installation in Münster.

Currently we are migrating the three sites to a redundant two-site setup in Münster. Towards a more reliable deployment with version controlled configurations and software versions, this includes moving operations from manual ssh-ing and semi-automated updates with Ansible to a declarative deployment with Kubernetes. Each site runs an on-premise Kubernetes cluster, with a GPFS containing the user data cluster spanned across both sites. Version control, workflow management and documentation are unified in the university's own GitLab instance.

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