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CERNBox as the CERN Apps Hub

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This contribution will present the work being done at CERN to enable running multiple diverse applications on top of CERNBox, the CERN cloud storage solution.

Powered by EOS and ownCloud, CERNBox has evolved in the past few years as the central storage platform for the CERN users community, with an ever-growing user base that is now beyond 15K users. The type of data stored and shared within CERNBox spans from office-like documents to High-Energy Physics specific formats like ROOT.

On the other hand, CERN is reviewing its portfolio of applications offered to the user community, with the aim to incorporate open-source and - wherever possible - web-based solutions, which are gaining more popularity. CERNBox is the ideal hub where a number of online applications have already been integrated, from simple viewers to collaborative editors for office formats (Microsoft, ONLYOFFICE, Draw.io), to more sophisticated apps for data analysis (SWAN, Spark).

While each of those apps required specific tweaks to make them work with CERNBox, we will present the vision for a generic application layer, which will enable diverse apps contributed by different user communities to be seamlessly integrated in CERNBox.

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