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An HTTP Rest API as SRM replacement for tape access

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Imagine a world where SRM is no longer needed to dialog with tape storage systems. A world where only one standard protocol can be used across the entire WLCG to access tape storage systems.

This dream will soon become reality on EOS...

After several discussions about the specifications of the new WLCG tape REST API, a prototype of the final API has been developed in EOS.

In order to give a good idea of the functionalities the API offers, I will do a comparison between the current XRootD workflows at CERN and the new HTTP ones that will be used once the REST API will be deployed.

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