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OSiRIS: Open Storage Research Infrastructure

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OSiRIS is a pilot project funded by the NSF to evaluate a software-defined storage infrastructure for our primary Michigan research universities and beyond. In the HEP world OSiRIS is involved with ATLAS as a provider of Event Service storage via the S3 protocol as well as experimenting with dCache backend storage for AGLT2. We are also in the very early stages of working with IceCube and the nationwide Open Storage Network. Our talk will cover current status on these projects and the latest details of how we use Ceph, HAproxy, NFSv4, LDAP, COmanage, Puppet and other tools to provision, manage, and monitor storage services to federated users.

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