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Using the RichACL Standard for Access Control in EOS

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The EOS storage system in use at CERN and several other HEP sites was developed with an access control system driven by known use cases, which is still in its infancy.

Here we motivate the decision to strive supporting the RichACL standard as far as the EOS design allows. We highlight a characteristic that fits particularly well with access control for other applications at CERN, and show how the resemblance of RichACL to NFS V4 and Microsoft Windows ACLs led to a straightforward implementation of an access control module for Windows/Samba.

Consider for promotion

No

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