

Shibboleth and Federated Access Management in iRODS Data Grids

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iRODS is the successor to the popular Storage Resource Broker (SRB), and is already being used as a data grid solution for digital libraries and other data management communities. Natively, iRODS addresses authentication and authorisation by means of locally managed user lists or X509 certificates; the ASPiS project is integrating iRODS with Shibboleth, to support federated access management and role-based authorisation. This is particularly advantageous since we are targeting communities where users are not used to security or perceive it as a direct obstacle to their work. The service will be more usable, and the user maintenance burden on the resource providers reduced. The integration will make use of the iRODS rule engine to provide a dynamic and flexible mechanism for configuring access management.