



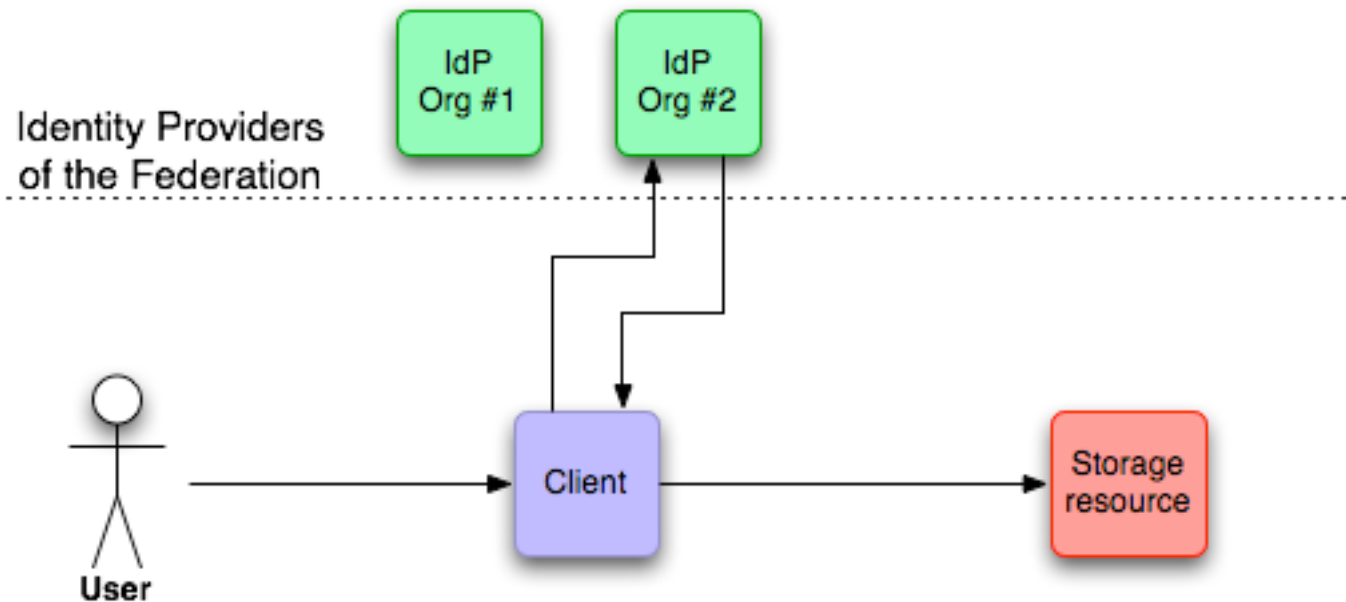
Integrating AAI federations with storage access methods

TF-Storage

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- Why does we want AAI and Storage?
 - We want to share our storage resources
 - We don't want to manage users' identity.



- Which federation technologies?
 - Shibboleth/eduGAIN
 - They are based on SAML
 - Shibboleth is for sharing a resource in a federation
 - We can use something compatible with it
 - eduGAIN is for sharing a resource between federations
 - Provides profiles for web and non-web applications
 - Also for scripts! :-)
 - They are almost equals

- Which storage access methods we want to federate?
 - Identifying which storage services or access methods we are using
 - ssh/scp/sftp
 - Grid-enabled ssh/scp/sftp
 - GridFTP
 - ???
 - Divided in two groups:
 - Grid
 - They are working on integrate their grid-enabled tools with AAI
 - Non-grid
 - We can start to work!

- When we can start with the integration?
 - Now!
 - AAI framework available
 - Shibboleth & eduGAIN
 - We're not going to define new frameworks
 - We're going to use them
 - Choosing a storage resource (or access method)
 - 1. Analyze it
 - 2. Define an scenario for a federation
 - 3. Define an scenario for sharing between federations
 - 4. Provide feedback to eduGAIN or TF-EMC2 if something new is needed
 - 5. Work on the integration

- We should work in two ways:
 - Integrating present storage access methods with AAls
 - Satisfactory results in short and medium-term
 - Build better storage access methods integrated with AAls
 - Web services API for managing a filesystem with AA support
 - WebDAV integrated with AAls
 - NFS integrated with AAls
 - ???

- Proposed first actions

- Integrate ssh/scp/sftp with AAI federations
 - There is a graduate project at the University of Seville which is working on it.
 - Shibboleth and eduGAIN scenarios
 - Bearing in mind web and non-web access systems for getting the credentials
- Check if the Grid community has integrated with AAI the grid-enabled ssh/scp/sftp

