Globus Data Publication: Integration with Globus Services

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What Globus Services

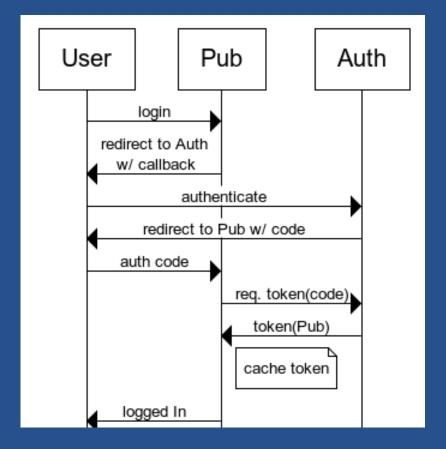- **Service Types:**
  - Authentication
  - Groups and Roles
  - Data Transfer and Access Management

- **Interaction Modes:**
  - Programmatic Interface
  - Web UI Interface
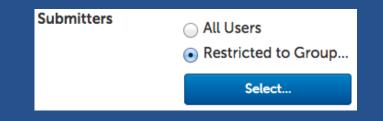
Authentication

- **(Now) familiar authentication/re-direct flow**
  - Uses existing Globus accounts
  - SSI to other Globus Services
    - Access token cached server-side
    - Permits access to Web UI elsewhere
  - Requesting service must be white-listed

- **Log-out removes cached token and ends Globus session**

Groups and Roles

- **Roles are mapped to Globus Groups**
  - Submit, Read, Administer
    - Groups selected using Globus web interface
    - Membership checked using programmatic interface
  - Group membership managed by Community admin.
    - Regular interface and flow
    - Changes in group reflected in role access

Data Transfer and Access Management

- **Transfers executed by launching Web UI**
  - Destination folder pre-populated

Endpoint	globuspublish#storage	...	Go			Endpoint	globuspublish#jcpublish-test	...	Go
Path	/~/materials/		Go	◀	▶	Path	/dataset_380/		Go

select all | none ⌐ up one folder ↻ refresh list	≡
1bc1918e-0a52-4068-ab95-9a7b9c505d09	617 b
Wossamotta U.mp4	5.44 MB
corning_pyrex-7740.fin	2.34 kB

select all | none ⌐ up one folder ↻ refresh list	≡
Wossamotta U.mp4	5.44 MB

- **Storage managed as "publication user"**
  - Folder creation, meta-data export transfer, ACLs
- **Transfers monitored using user's token**

Status	Source Endpoint	Start Time	Completion Time	Bytes Transferred
SUCCEEDED	globuspublish#storage	4/13/15 7:14 PM	4/13/15 7:14 PM	5705014

Summary & Next Step

- **Existing Globus users benefit from minimal setup when starting with data publication**

- **New data publication users benefit from rich functionality of Globus Services**

- **As a developer benefit from critical, core services and a great user base**

Come to the data publication

Roundtable at 3:45