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
    o Access token cached server-side
    o 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
    o Groups selected using Globus web interface
    o Membership checked using programmatic interface
  – Group membership managed by Community admin.
    o Regular interface and flow
    o Changes in group reflected in role access
Data Transfer and Access Management

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

- Storage managed as “publication user”
  - Folder creation, meta-data export transfer, ACLs

- Transfers monitored using user’s token

<table>
<thead>
<tr>
<th>Status</th>
<th>Source Endpoint</th>
<th>Start Time</th>
<th>Completion Time</th>
<th>Bytes Transferred</th>
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<tbody>
<tr>
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<td>globuspublish#storage</td>
<td>4/13/15 7:14 PM</td>
<td>4/13/15 7:14 PM</td>
<td>5705014</td>
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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