• Globus is a secure, reliable research data management service.

• The Globus Alliance is an international association founded by the University of Chicago and the Argonne National Laboratory dedicated to developing fundamental technologies needed to build grid computing infrastructures, the Globus Project that was established in 1995.

• Grid computing is the use of widely distributed computer resources to reach a common goal. It’s a super virtual cluster or storage

• Open source!
<table>
<thead>
<tr>
<th></th>
<th>Owncloud</th>
<th>Globus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Personal</td>
<td>Team</td>
</tr>
<tr>
<td>Quota</td>
<td>200GB</td>
<td>50TB</td>
</tr>
<tr>
<td>Sharing</td>
<td>External &amp; internal</td>
<td>Externa &amp; internal</td>
</tr>
<tr>
<td>Security</td>
<td>-</td>
<td>Kerberos</td>
</tr>
<tr>
<td>Bandwidth</td>
<td>Limited</td>
<td>High speed</td>
</tr>
</tbody>
</table>
ICM

Desktop

Owncloud

Owncloud disks

Lustre

iss01
iss02
dtlake01

Globus

Globus disks

Asynchronous

Internet

Globus endpoint @CERN

Globus endpoint @EPFL

Globus endpoint @Rockefeller
➢ By default, we don’t make your data public, but you can ask to

➢ You can transfer or publish data directly from your desktop

➢ Permission are per folder

➢ Native applications: https://www.globus.org/globus-connect-personal

➢ High speed, long short (term) memory: Rockefeller University estimated 2700 days to transfers 30TB to ICM, we did in 2 weeks.

➢ Secure: digital signature, ensure data integrity and source
1. Create a Globus ID: [https://www.globusid.org/](https://www.globusid.org/)

2. Open an issue in order for the IT team to know:
   - Which data to synchronize
   - With who to share, by default: nobody, except if you want to make them public
   - Where to set your permissions, per folder

3. Install the Globus Personal Connect to check your data

4. Send an email/link to your collaborators from the other institute/research center and ask them to copy your data to their desktop or facility center
THE TECHNOLOGY DEMO

THE SOFTWARE ISN’T 100% COMPLETE.

IF IT HAD A USER INTERFACE YOU WOULD SEE SOMETHING HERE... HERE... AND SOMETIMES HERE.

AND THEN YOU'D BE SAYING, “I GOTTA GET ME SOME OF THAT.”

ANY QUESTIONS?