

B2STAGE

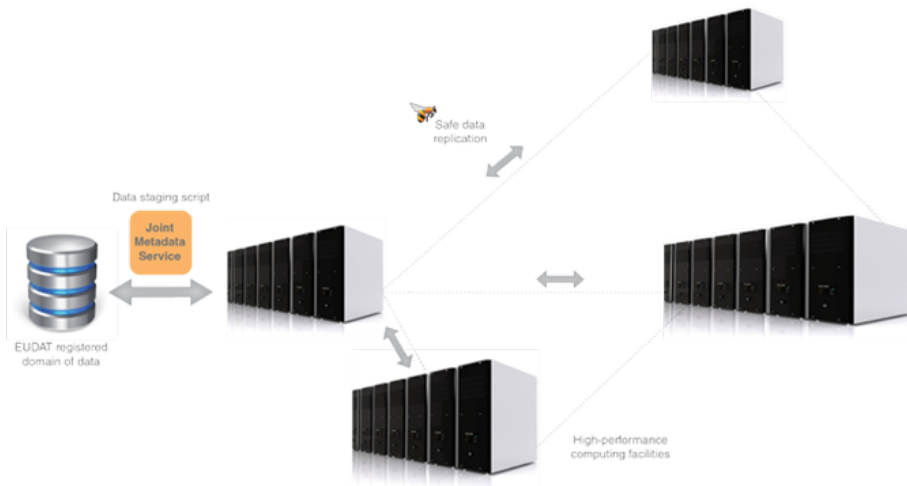
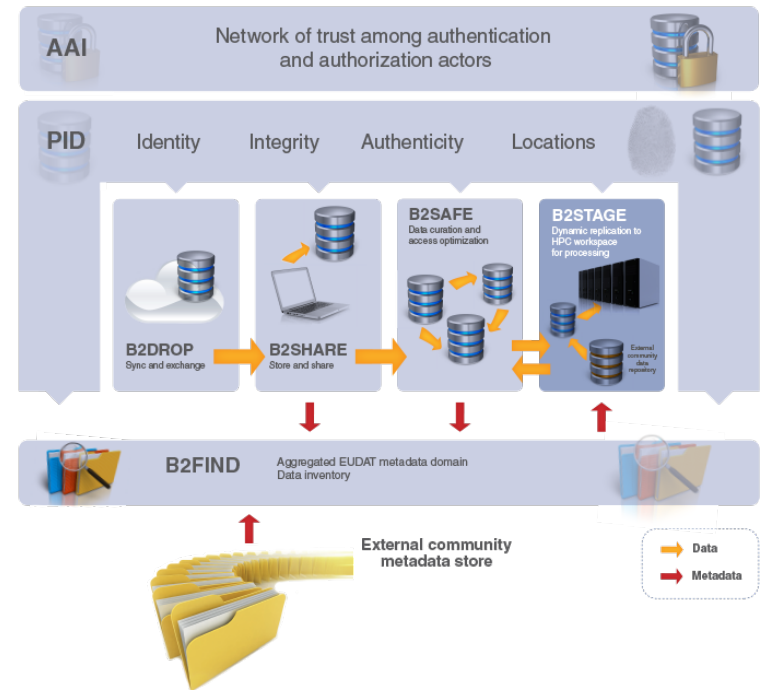
GridFTP and iRODS

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Facilitating communities to:

- move large amounts of data between data stores and high-performance compute resources
- re-ingest computational results back into EUDAT
- deposit large data sets onto EUDAT resources for long-term preservation

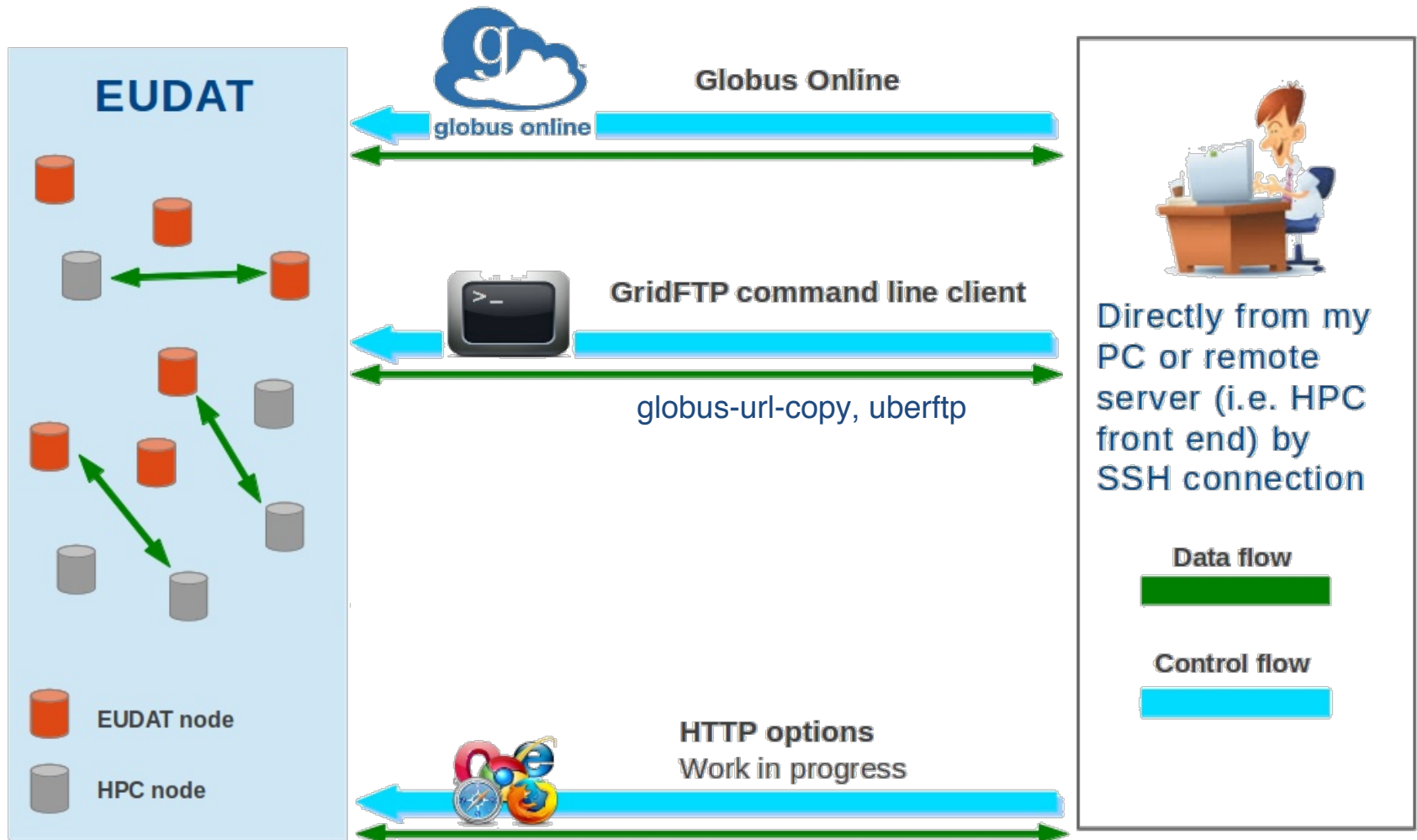


Features:

- high-speed transfer
- reliable and light-weight
- manages data with PIDs

How can you use B2STAGE?

EUDAT B2STAGE options

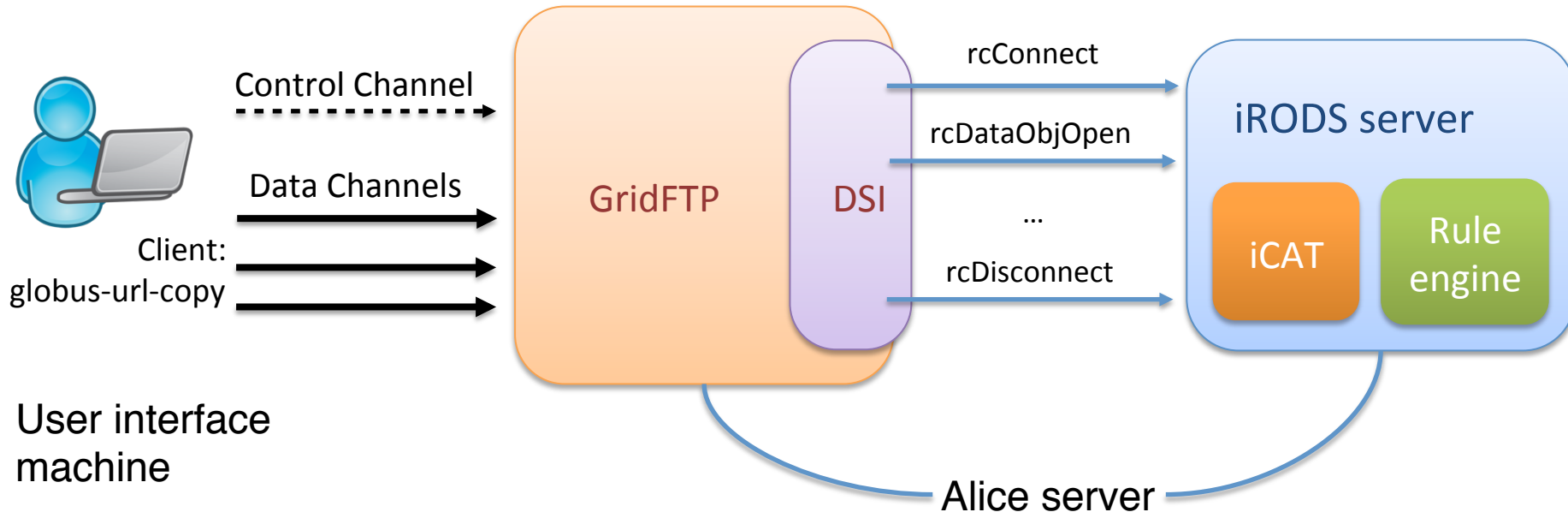


Why GridFTP

- <http://toolkit.globus.org/> and [UberFTP](#)
 - Employs Grid Security Infrastructure (GSI)
 - Certificates, chain of trust
 - On the fly data integrity checks
 - Resuming interrupted file transfers
 - Parallel streams for transfers
 - Can work easily with wildcards
- Powerful and secure data transfer protocol

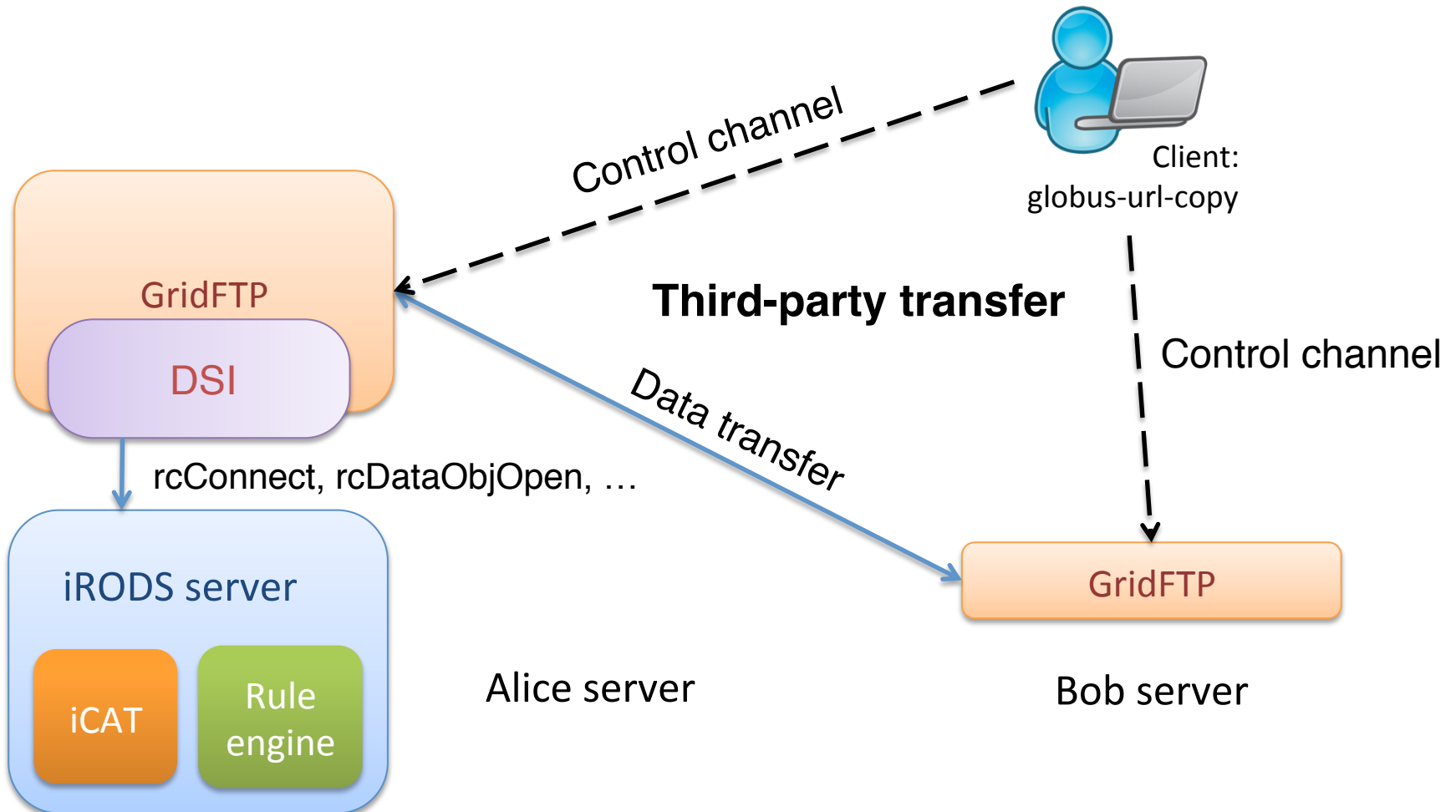
Data management

iRODS functions C-library



Code for the Data Storage Interface (DSI):
<https://github.com/EUDAT-B2STAGE/B2STAGE-GridFTP>

Hands-on scenario 2



Hands-on scenario 3

