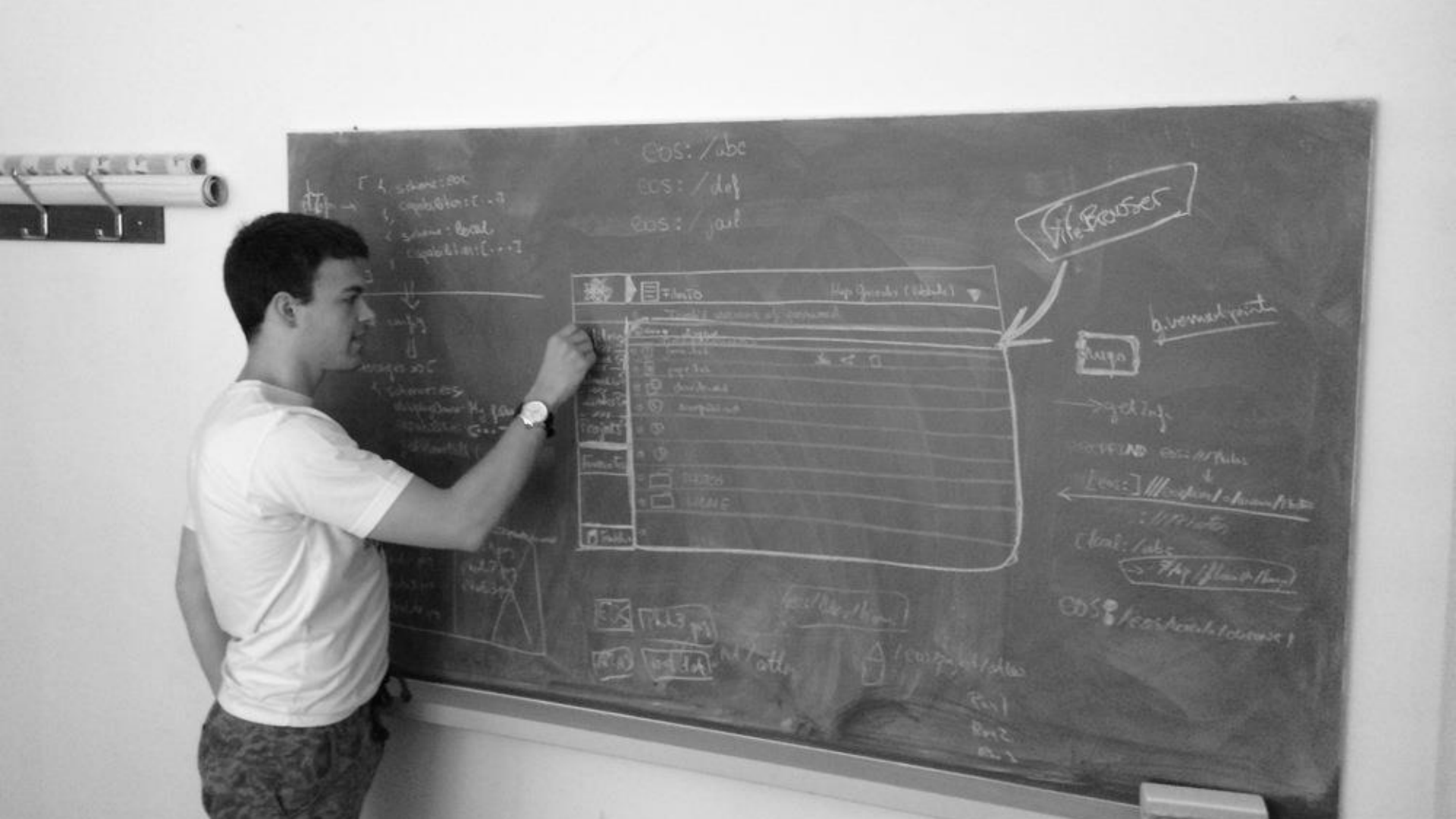
CERN

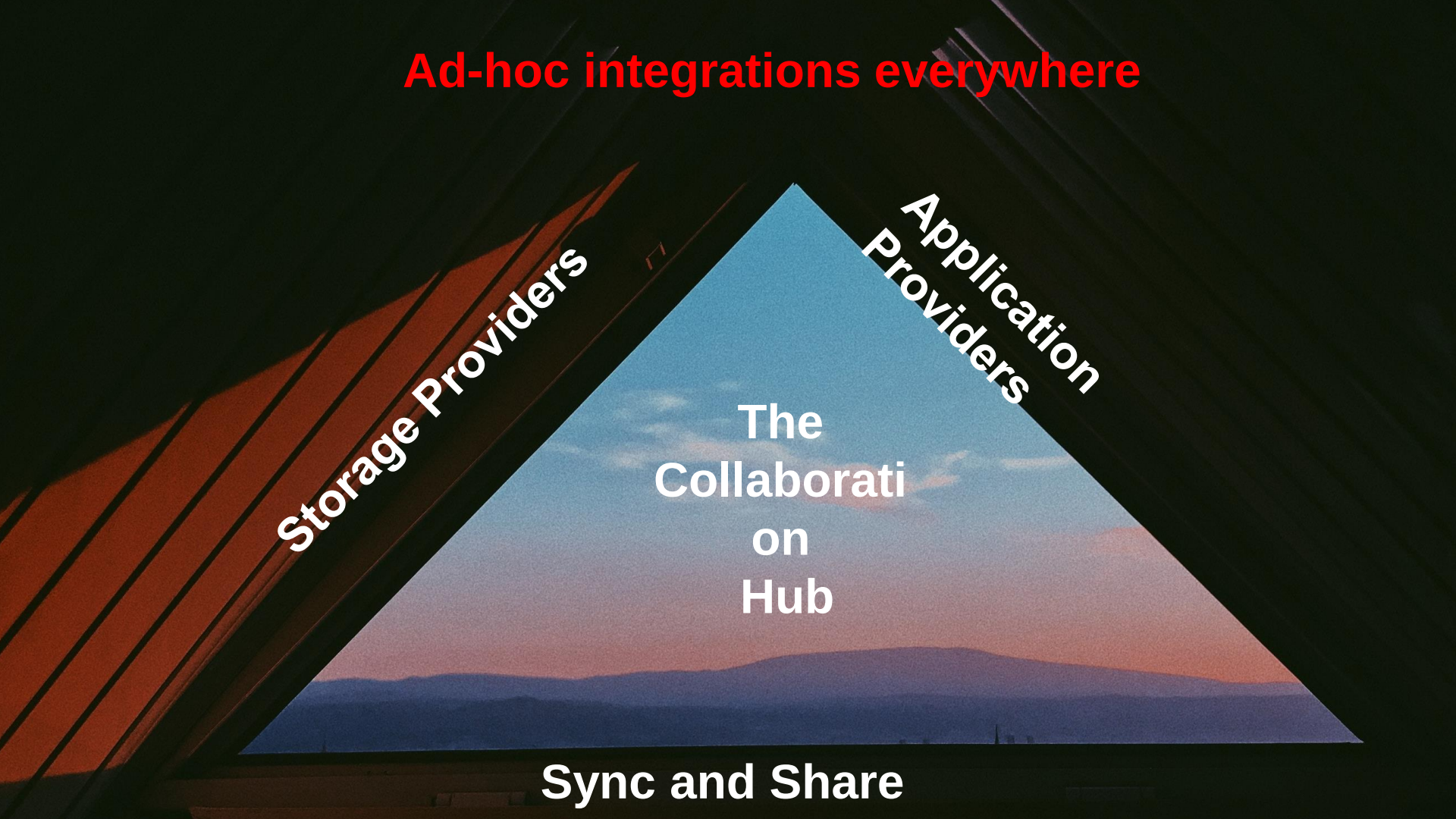
# A Journey to the Mesh

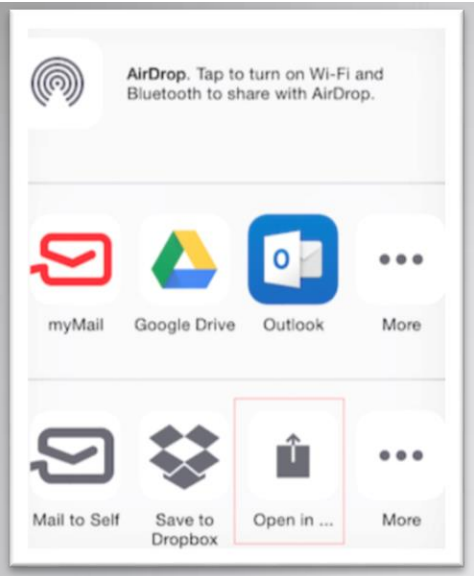
Hugo G. Labrador

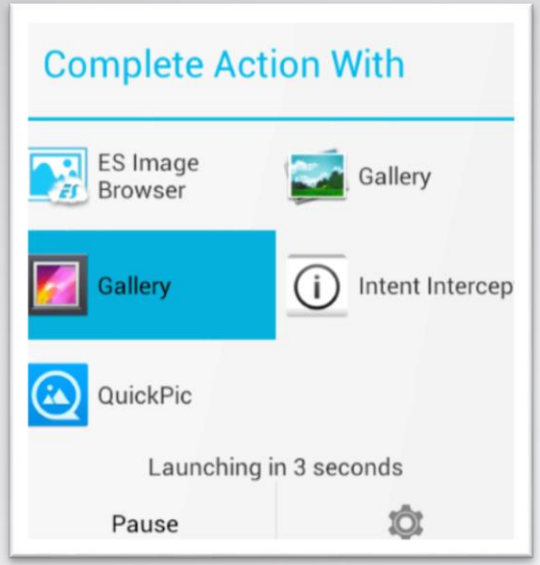
CERN IT-ST

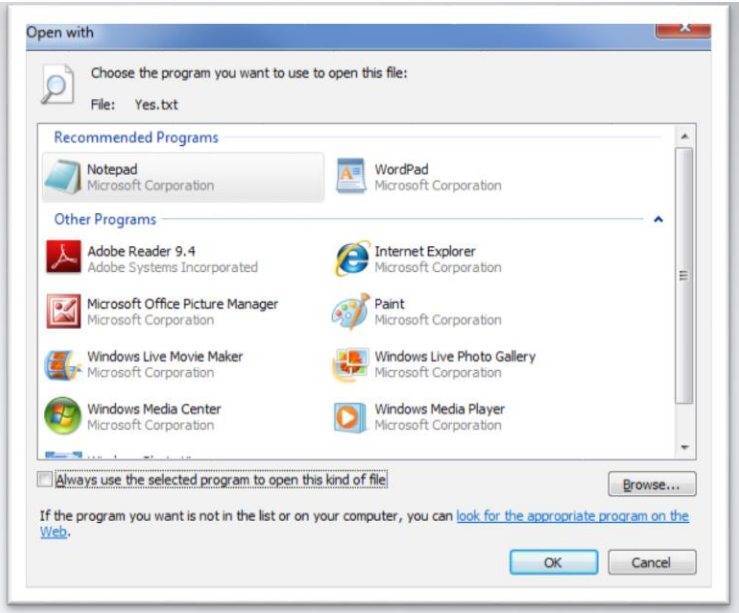
What
have
we
done?


cos: /abc
cos: /def
cos: /jar
FileBrowser
getInfo

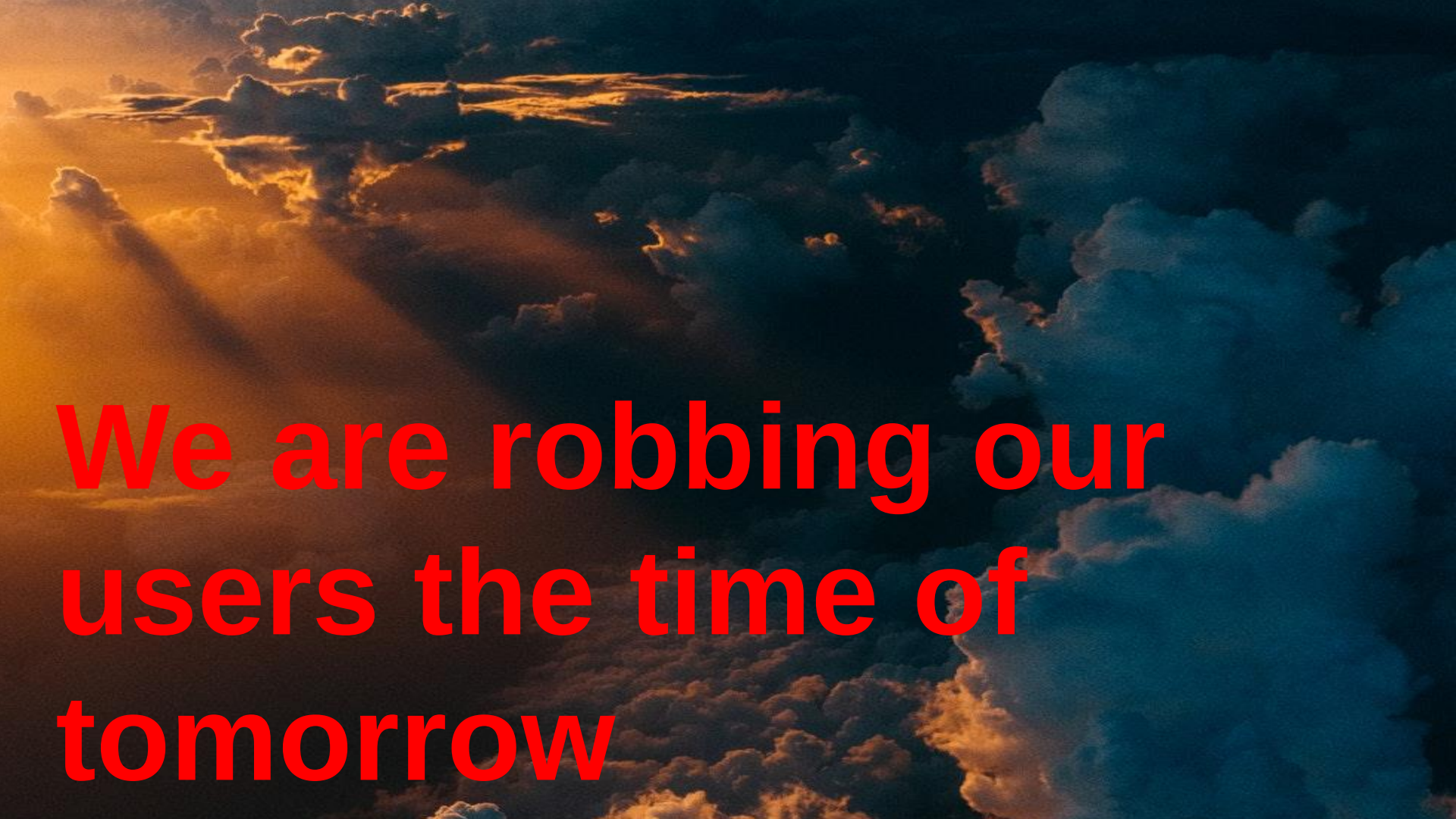

Ad-hoc integrations everywhere
Storage Providers
Application Providers
The Collaborati on Hub
Sync and Share




# Freedom to Choose

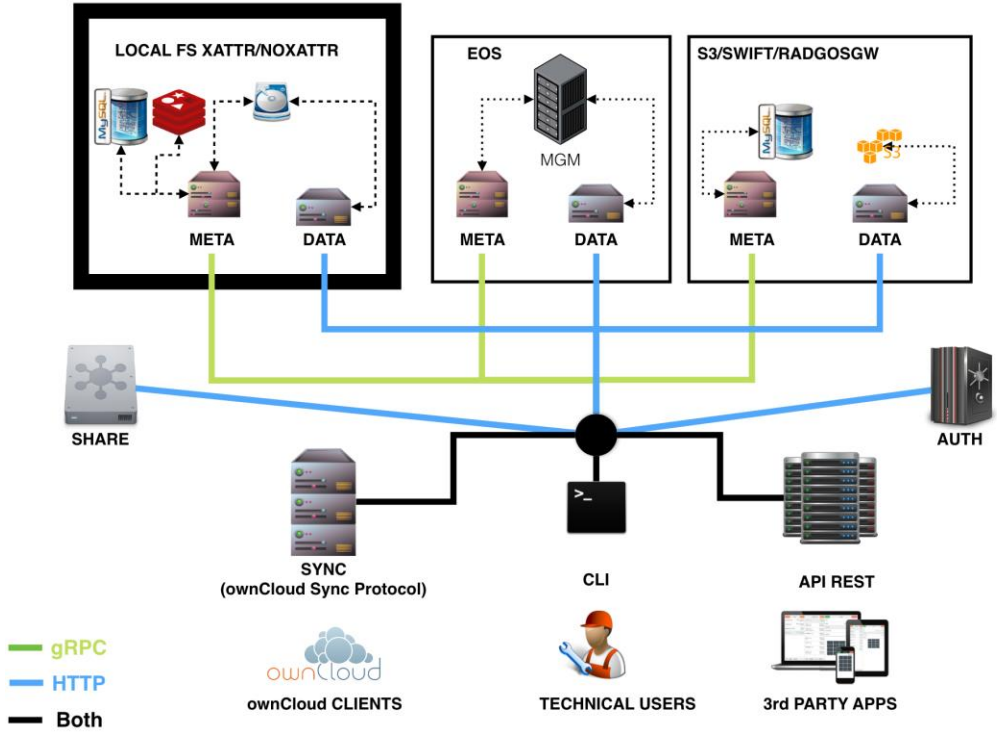

We are robbing our
users the time of
tomorrow

Once upon time

Breaking the monolith

REVA

ClawIO




## specs

Specifications for the microservices

Protocol Buffer  AGPL-3.0  Updated on Nov 19, 2015

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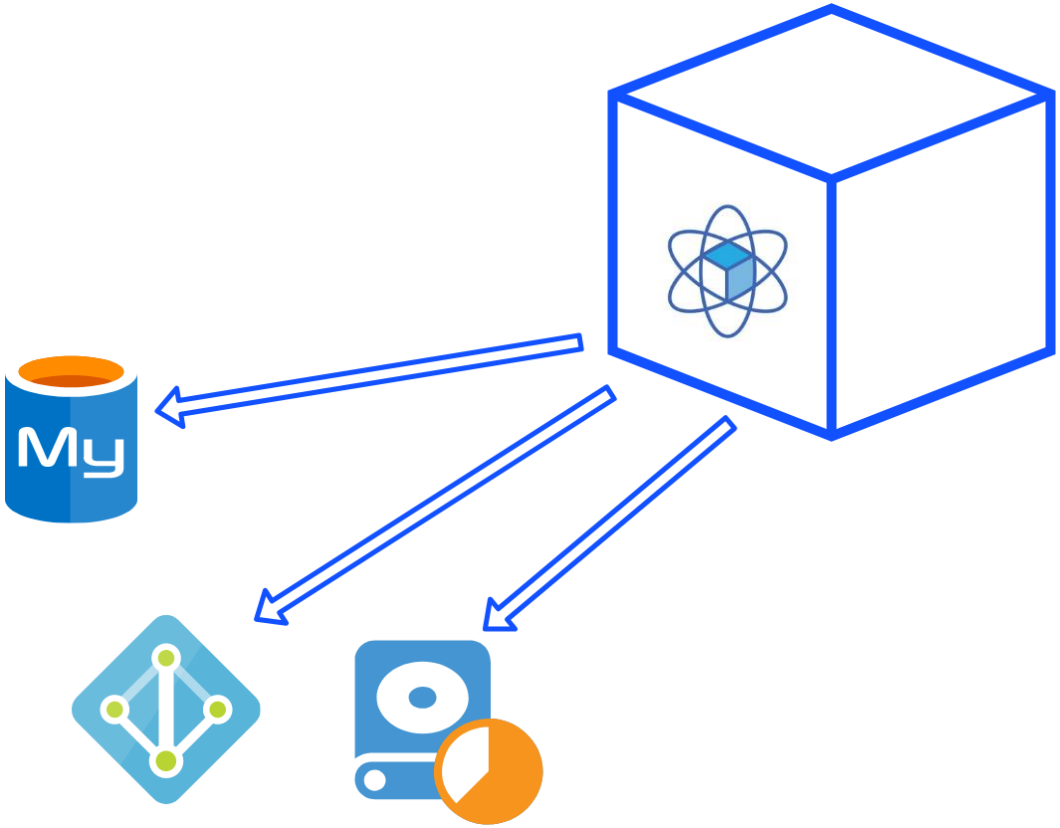

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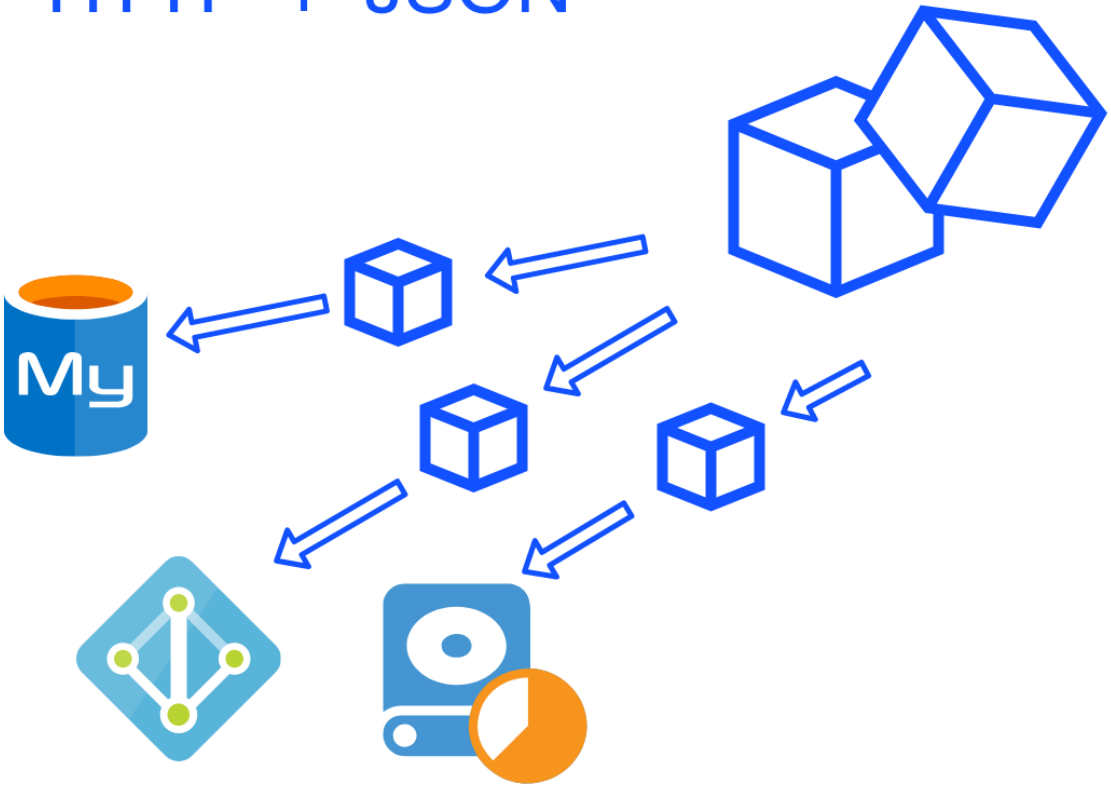
# HTTP + JSON



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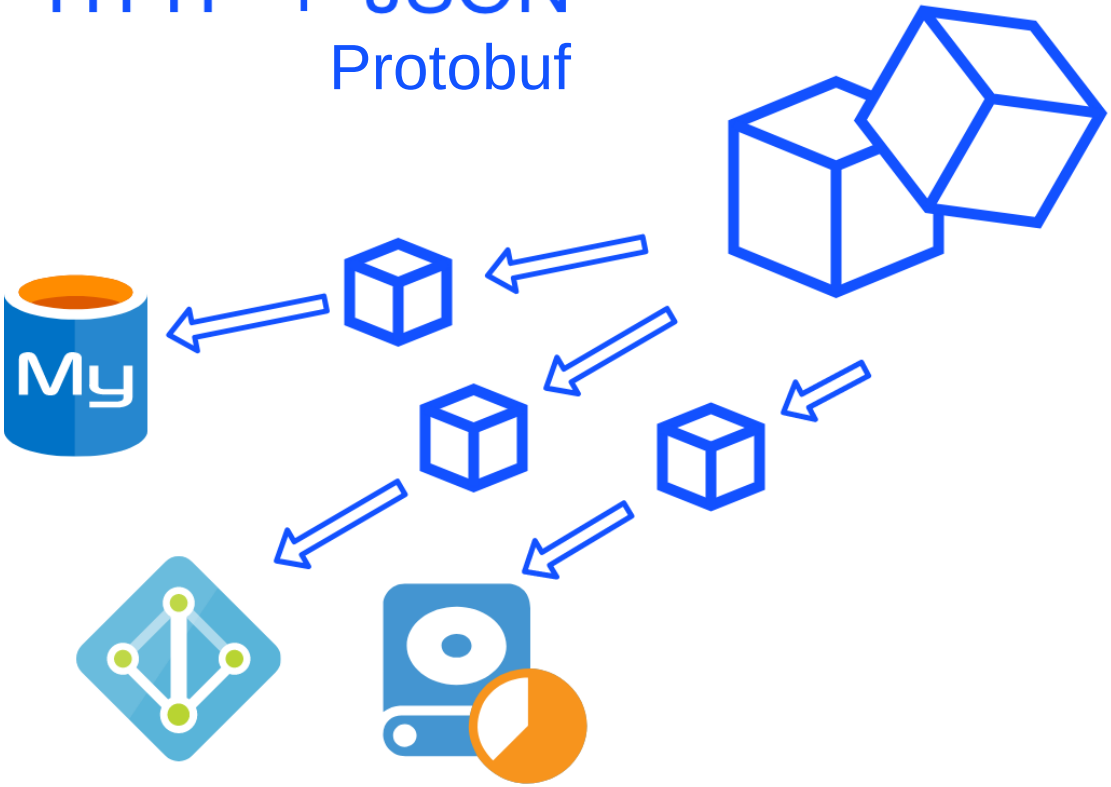
HTTP + ~~JSON~~

Protobuf



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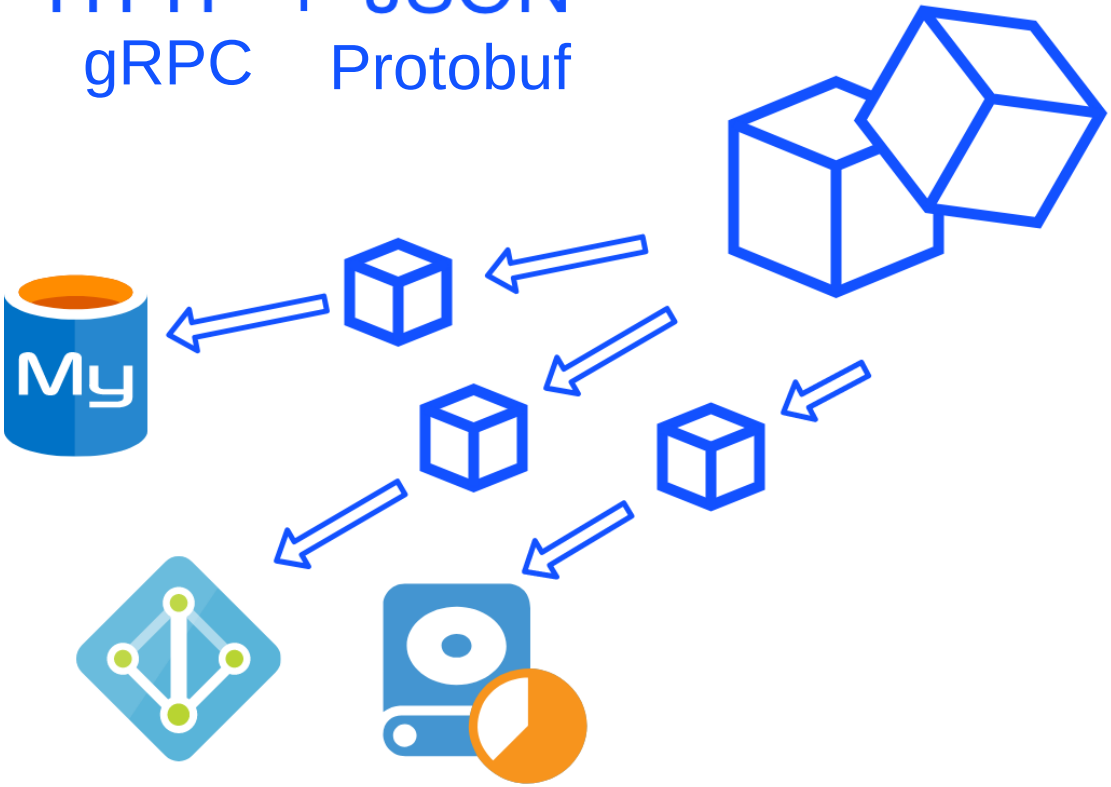
~~HTTP~~ + ~~JSON~~

gRPC Protobuf



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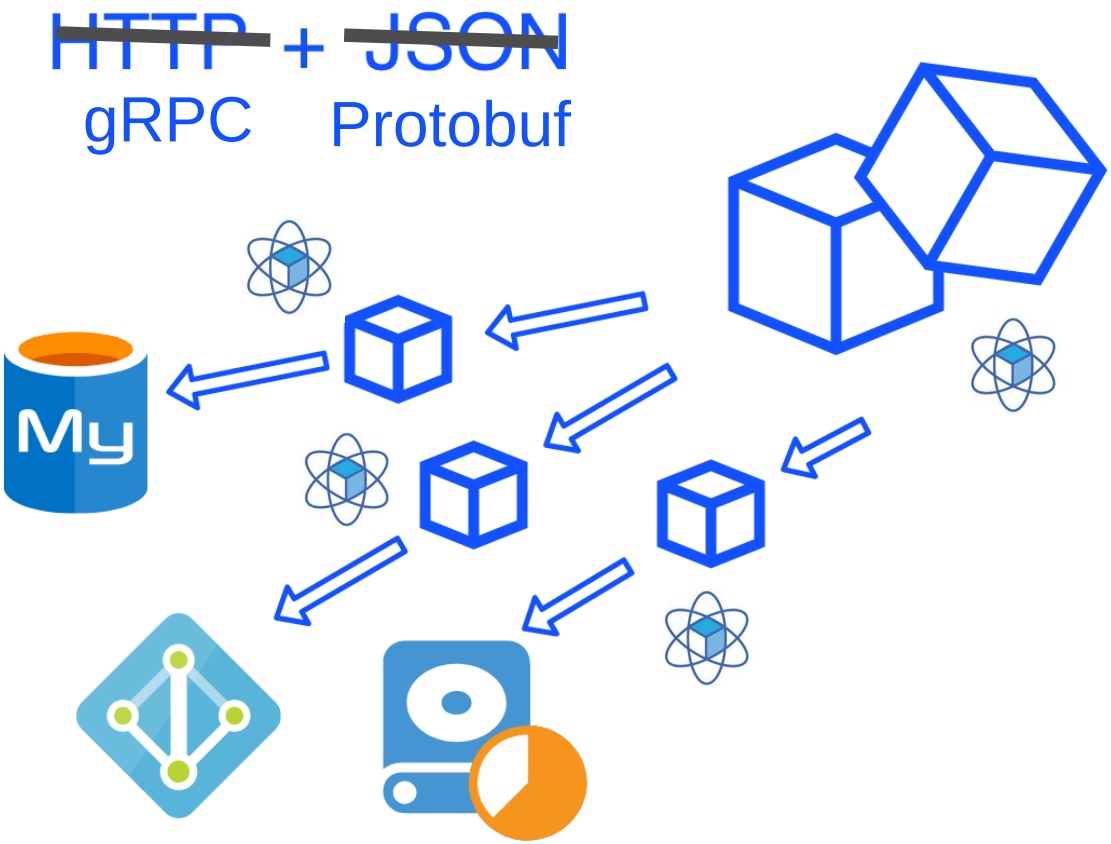

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CS3 APIS

Specs on gRPC + Protobuf
Last mile distributed computing
**Neutral-vendor APIS**
**Regain user freedom**
**Driven by you**

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Reference implementation of the CS3 APIs
Modular platform to build on top

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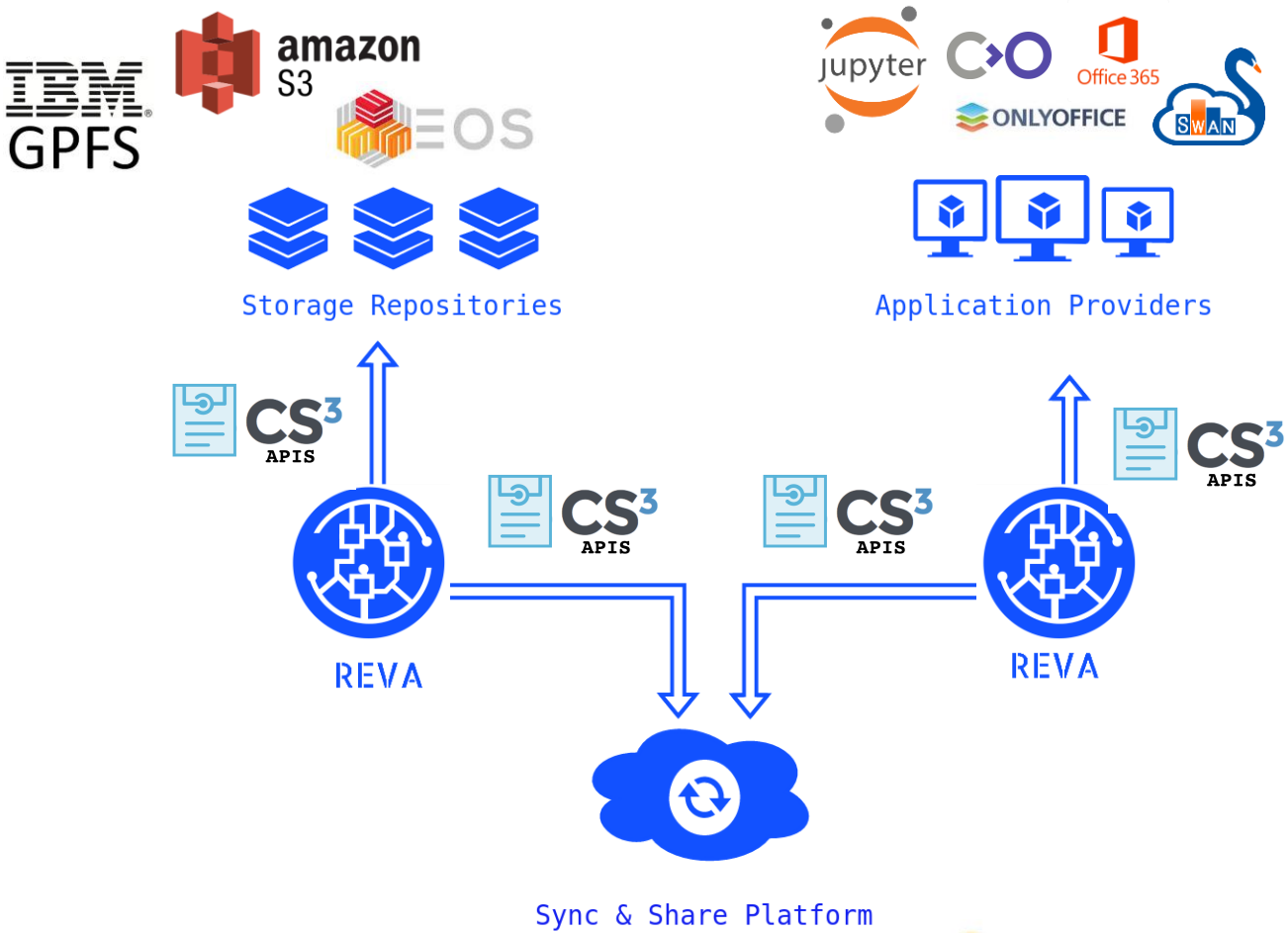


ORACLE
owncloud
pydio
PUT YOUR DATA IN ORBIT
Nextcloud
Seafile
Cubbit
Join the swarm

# Grazie!

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github.com/cernbox/reva
github.com/cernbox/cs3apis