



A Journey to the Mesh

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What
have
we
done?



EOS: /abc
EOS: /def
EOS: /jkl

File →
/home: doc
/home: /...
/home: local
/home: /...]

↓
info
→
/home: doc
/home: /...
/home: local
/home: /...]



File Browser

↓
d.vendip
→ get inf.
[EOS: /abc] → [EOS: /def] → [EOS: /jkl]
[EOS: /abc] → [EOS: /def] → [EOS: /jkl]
[EOS: /abc] → [EOS: /def] → [EOS: /jkl]
[EOS: /abc] → [EOS: /def] → [EOS: /jkl]

Files
Folders
Links
/home: doc
/home: /...
/home: local
/home: /...]

Ad-hoc integrations everywhere

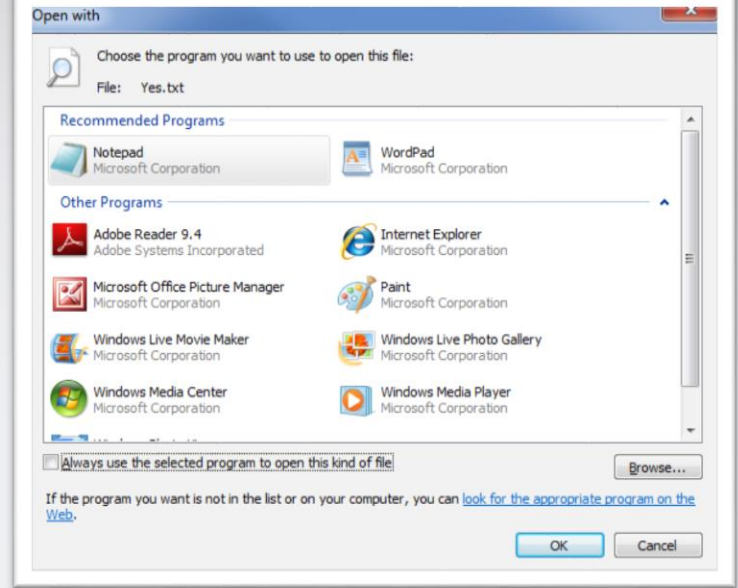
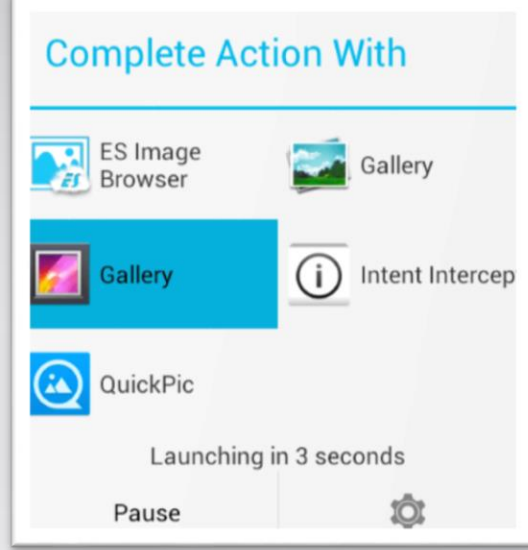
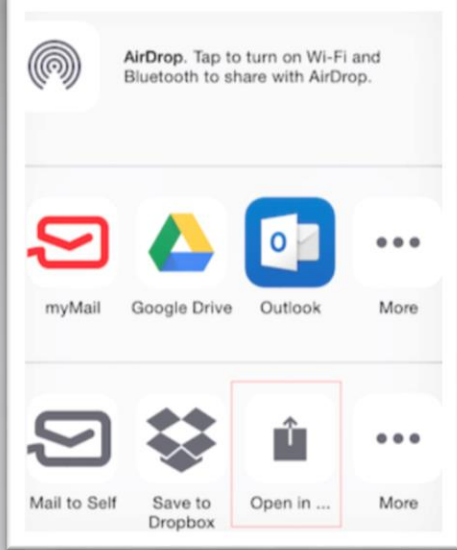
Storage Providers

Application Providers

The
Collaborati
on
Hub

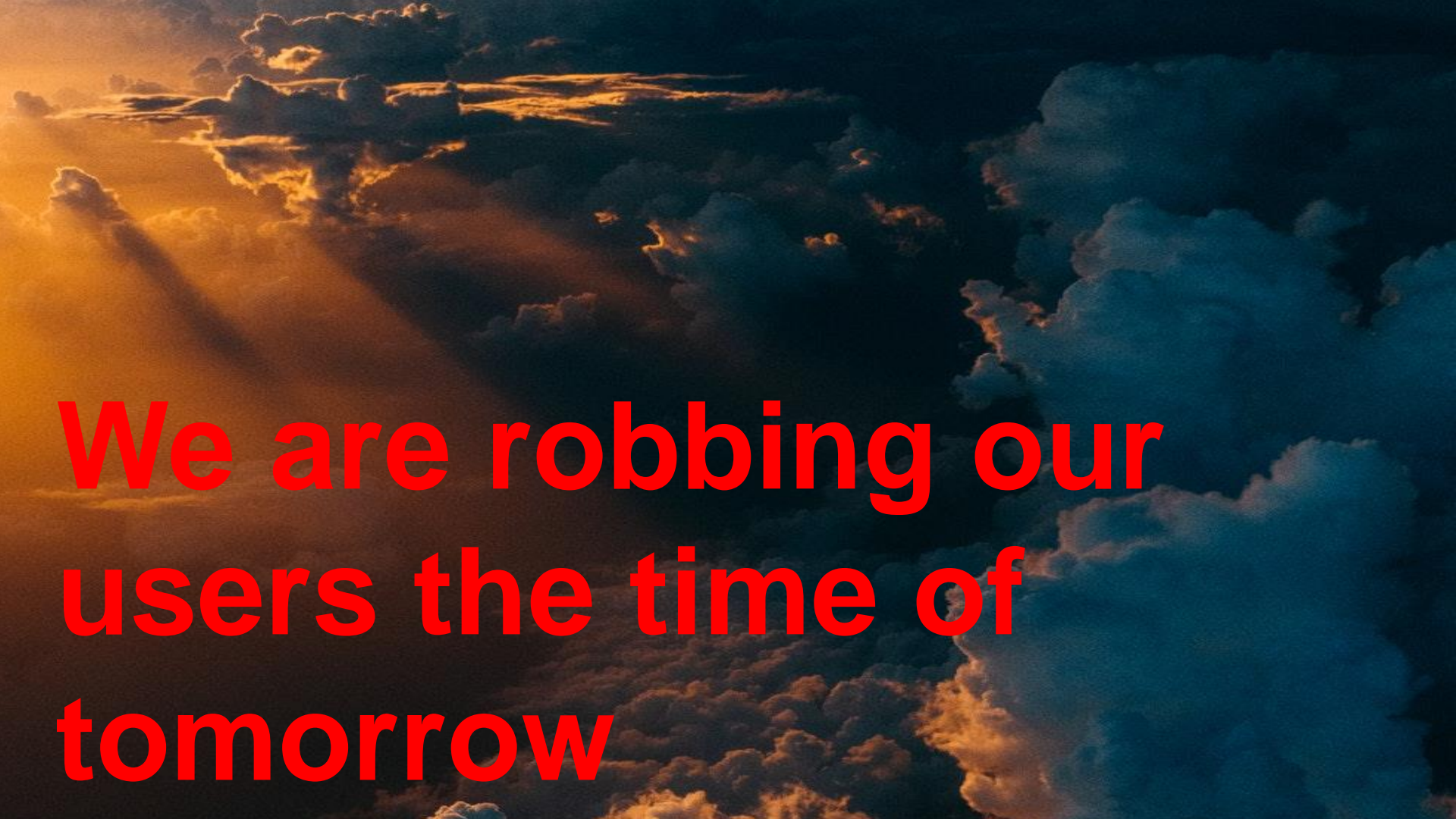
Sync and Share





Freedom to Choose





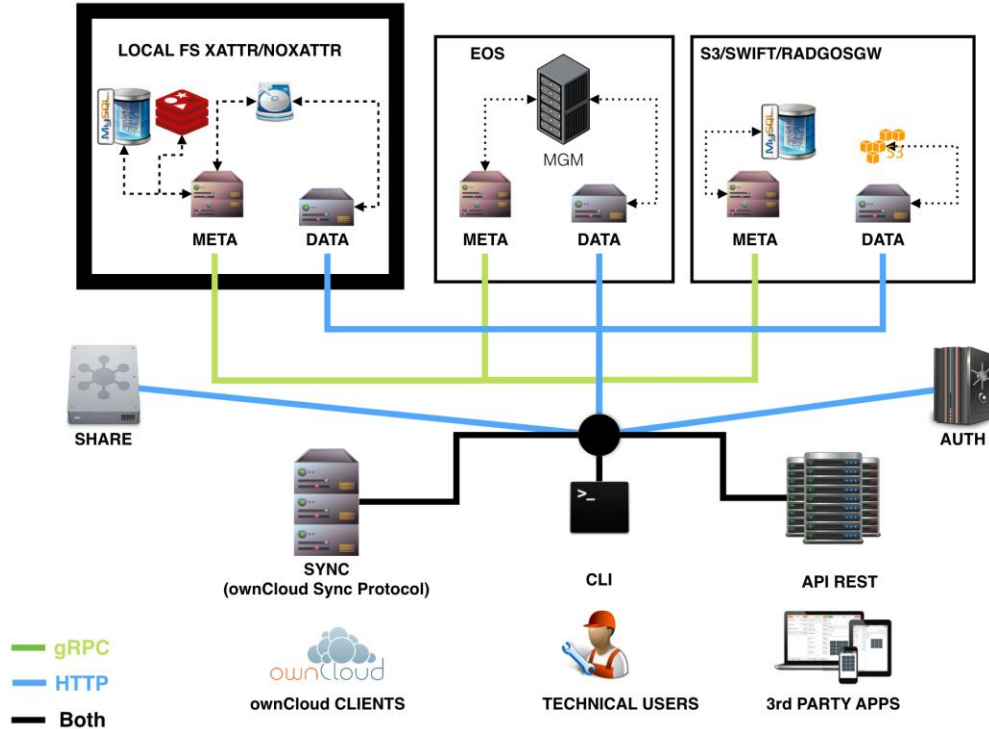
**We are robbing our
users the time of
tomorrow**



Once upon
time

Breaking the
monolith

REVA



specs

Specifications for the microservices

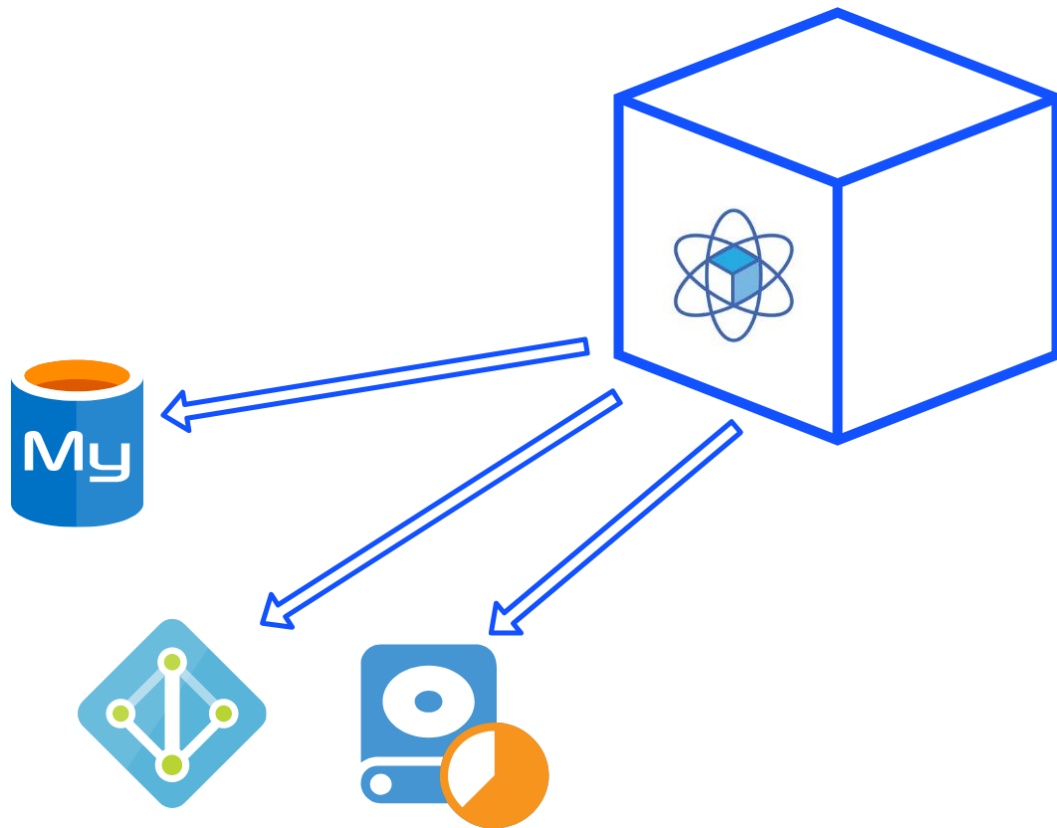
● Protocol Buffer AGPL-3.0 Updated on Nov 19, 2015



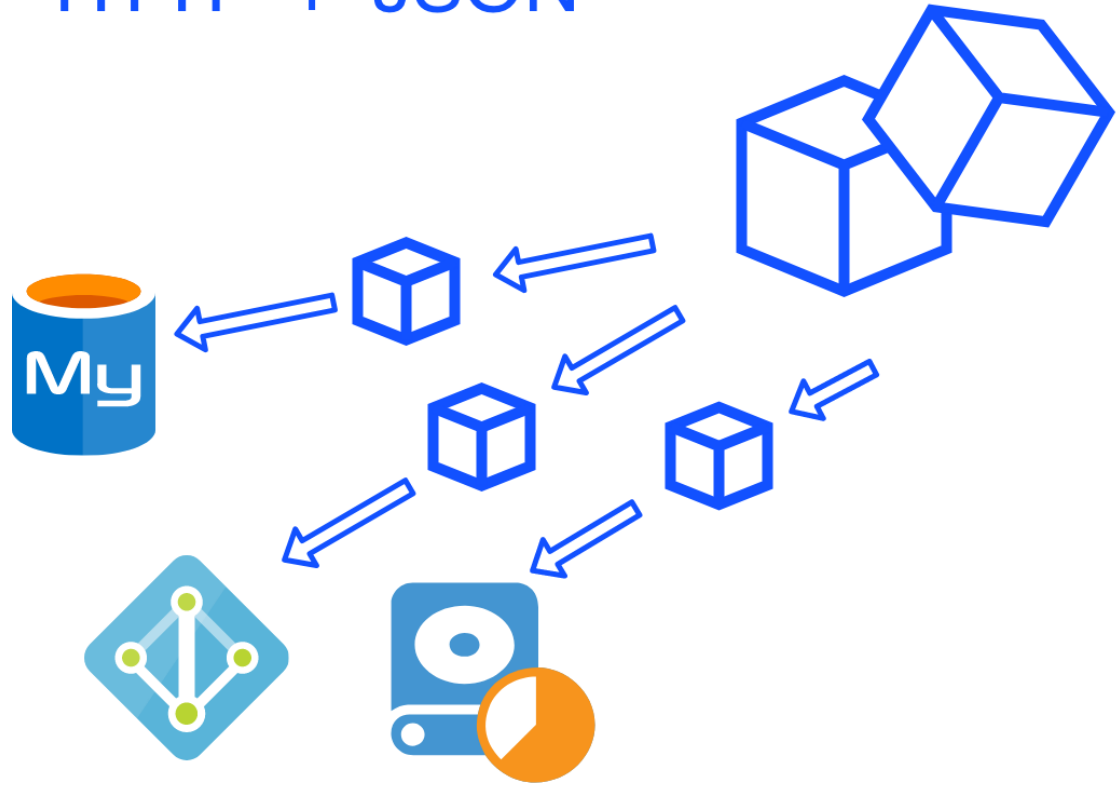
Once upon
time

Breaking the
monolith

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HTTP + JSON



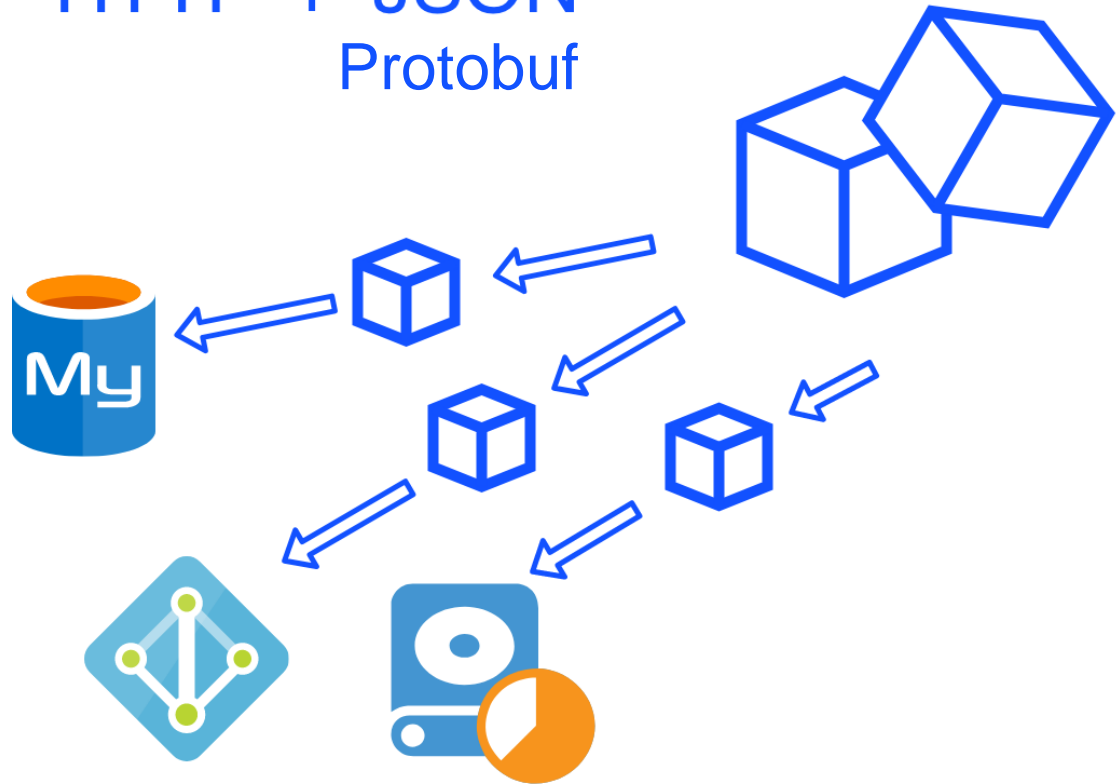
Once upon
time

Breaking the
monolith

..

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HTTP + ~~JSON~~
Protobuf



Once upon
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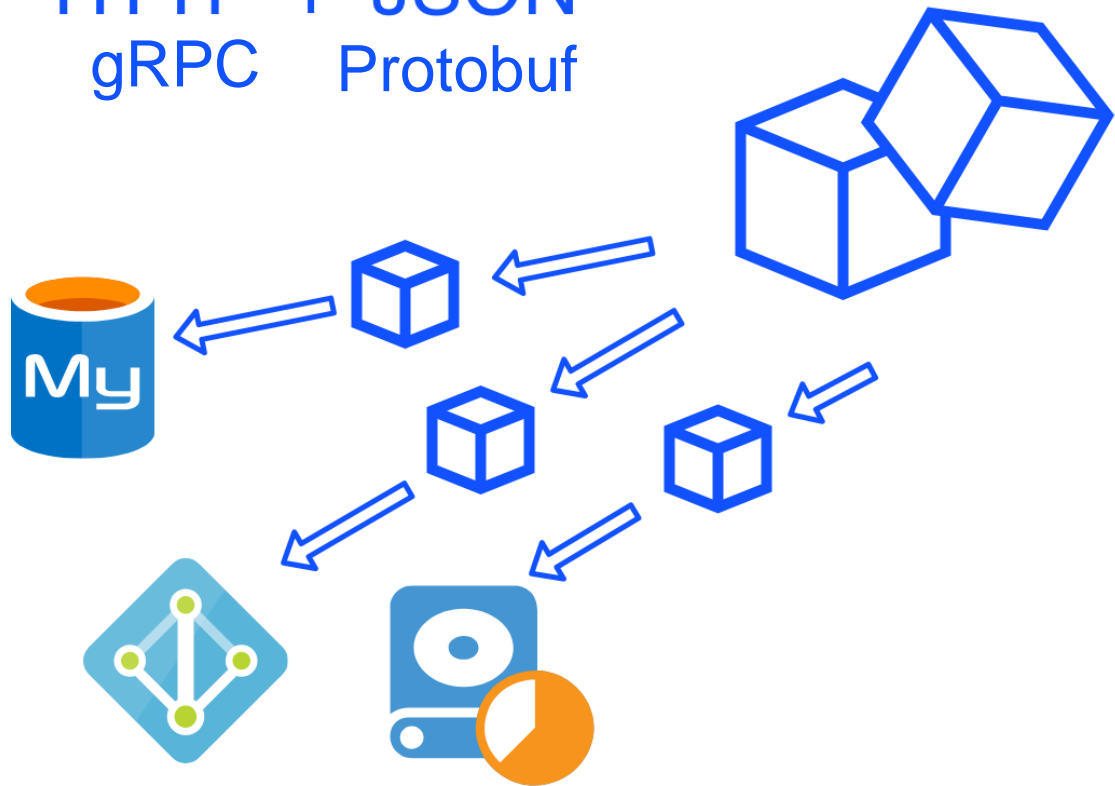
~~HTTP~~ + ~~JSON~~
gRPC Protobuf

Once upon
time

Breaking the
monolith

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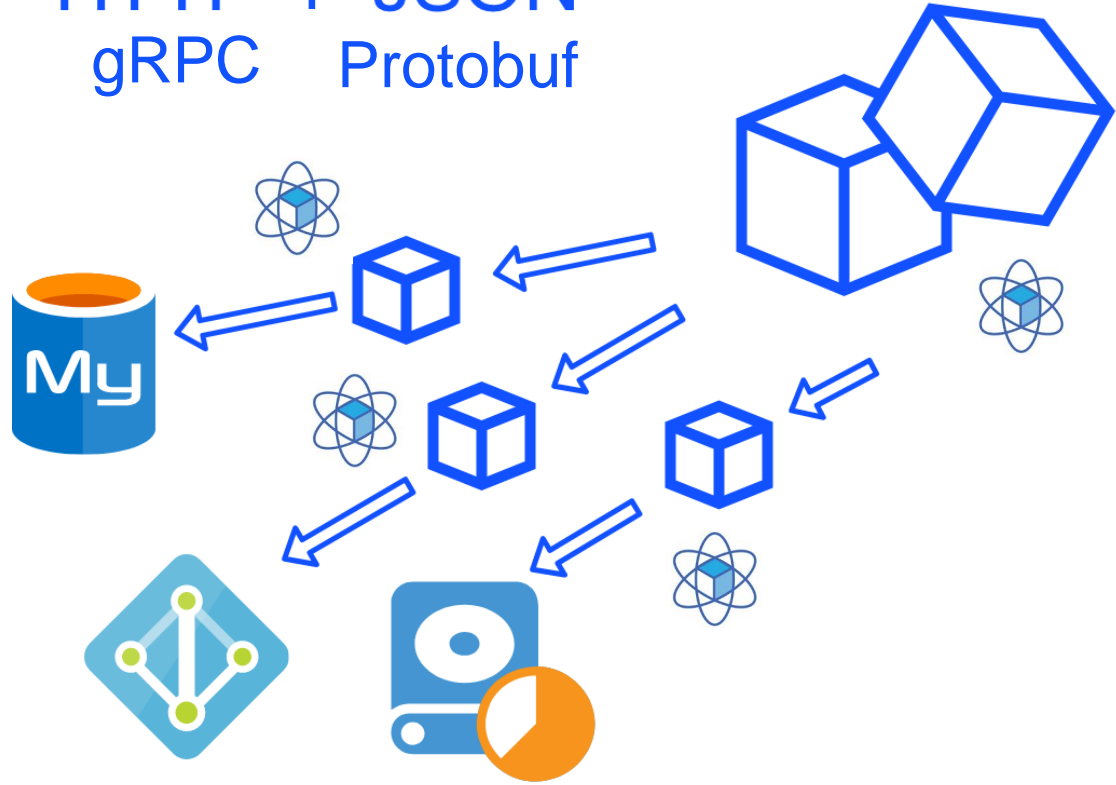
~~HTTP~~ + ~~JSON~~
gRPC Protobuf

Once upon
time

Breaking the
monolith

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Once upon
time

Breaking the
monolith

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CS³
APIS

Specs on gRPC + Protobuf
Last mile distributed computing

Neutral-vendor APIS
Regain user freedom
Driven by you



REVA

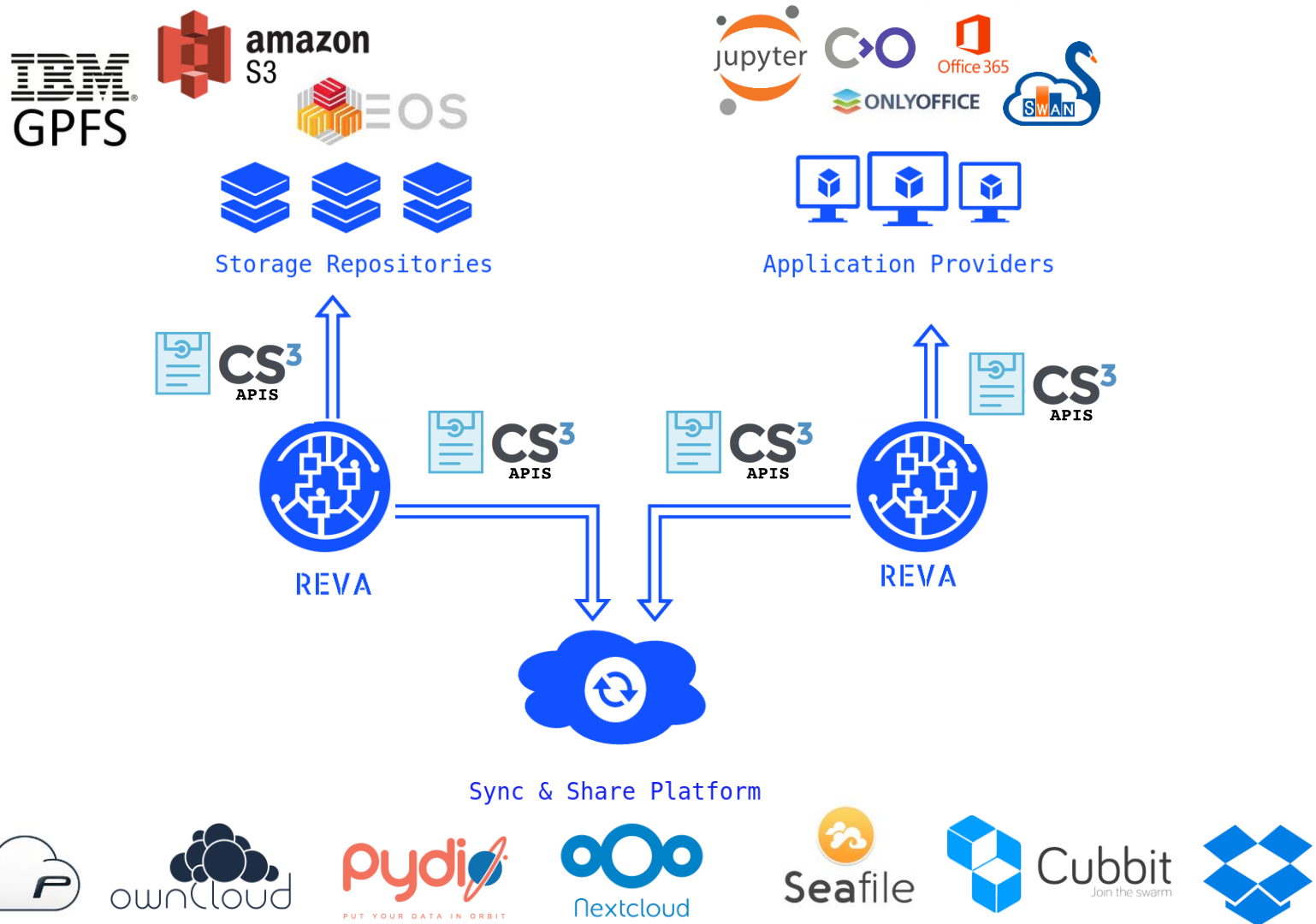
Reference implementation of
the CS3 APIs
Modular platform to build on top

Once upon
time

Breaking the
monolith

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Grazie!

`contact@cs3community.org`

`reva.project@cern.ch`

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

