

Pan-European Object Storage

“Solve 80% of the needs of European research storage (not data) in a sovereign way”

DeiC, CSC, SURF, Géant, PSNC, SIKT are working on this

They don't know we make this joint statement, but Bo and Kalle think it will happen.

This is more consolidation than building something new.

Current state

S3 functionality and e.g. authentication differs per site

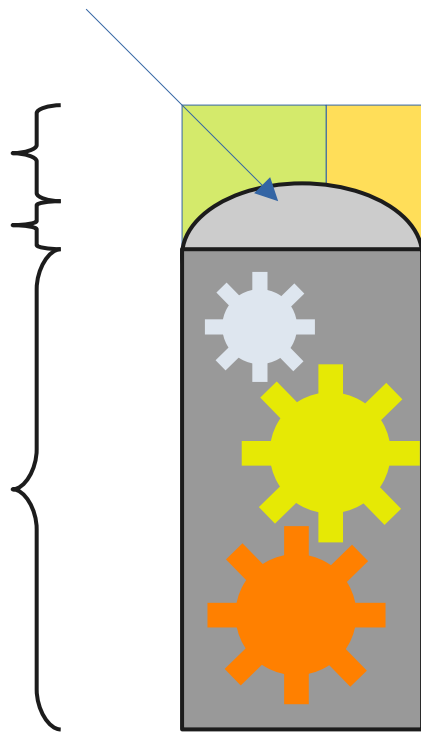
High-level services built on S3
bespoke and not interoperable

All services built in their own way

User facing services

API implementation

CEPH object
storage service



Ceph
Site A



Ceph
Site B



Ceph
Site C

Standardize the way to expose the service
(S3 and authentication)

Cross-site services become possible

Services can be deployed on any site
as the interfaces are compatible

User facing services

API implementation

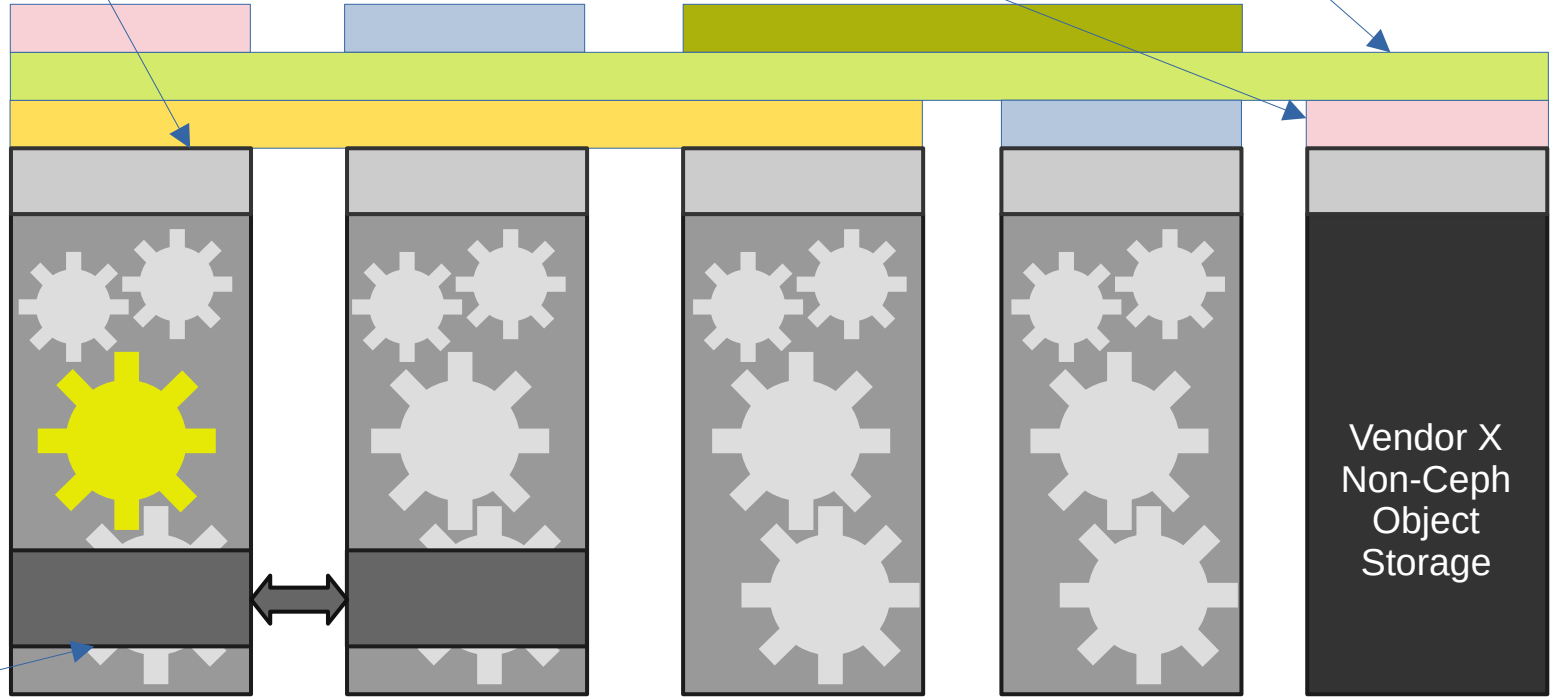
Object
storage service

Sites still retain
independence over
implementation details

Geo-replication of chosen data becomes possible

Define how to deploy and run an object
storage

Vendor X
Non-Ceph
Object
Storage



If you work on object storage in this community,
talk to us!

(We are Bo Bai, Jan Meijer, Morten Kjeldgaard, Kalle Happonen)