Road to production OCIS for CERNBox (Q1)

6-7 February
CERN/AARNET/OC Workshop

Service Operational Issues

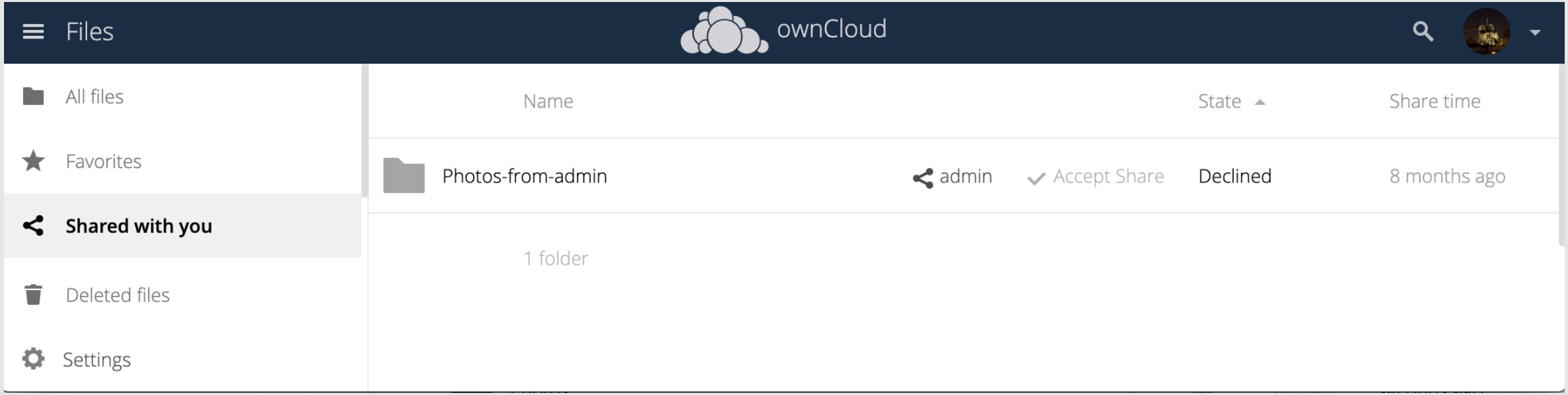
- Upgrade to CERNBox 2.5.4 client [Case #00013459]
  - Missing dependency on latest Debian-based clients
  - Missing QA: how are the branded builds properly tested?
  - This error could have been spot by just installing the package …
- Red banner when adding sync folder pair:
  - https://github.com/owncloud/client/issues/7724
- Mobile(Android): cannot use file ids as strings
  - https://github.com/owncloud/android/issues/2787
  - Fixed years ago for Desktop and Web UI
  - Does it affect also IOS? https://github.com/owncloud/ios-app/issues/611
- Some Android crashes on CERNBox 2.13.1 [Case #00013724]

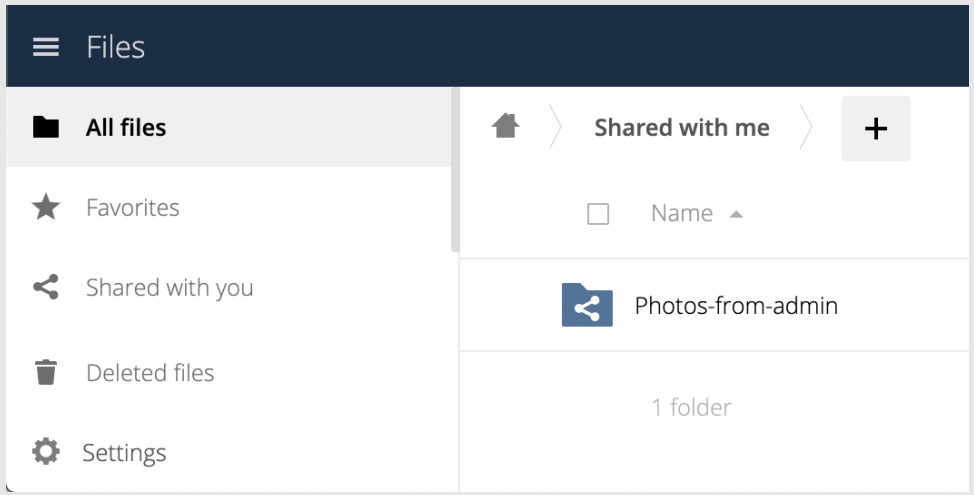
Missing things for CERNBox/OCIS (Q1)

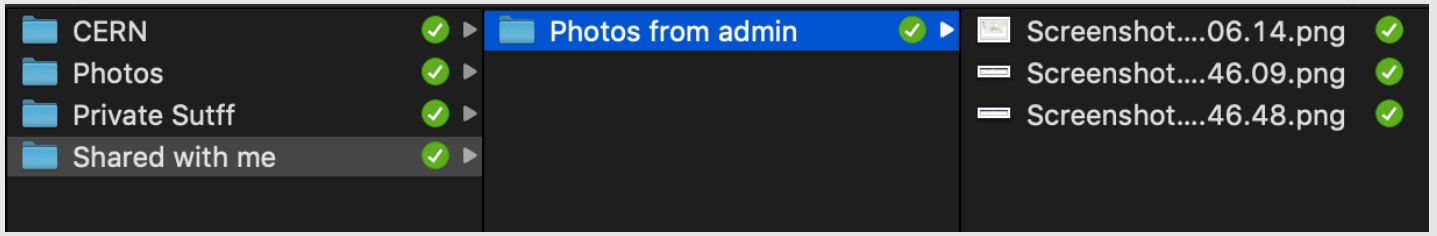
- Accepting shares:
  - IOS: should be there
  - Desktop: https://github.com/owncloud/client/issues/6378
  - Android: https://github.com/owncloud/android/issues/1676
- File ID as string support for all clients
  - Desktop: should be there
  - IOS: https://github.com/owncloud/ios-app/issues/611
  - Android: https://github.com/owncloud/android/issues/2787
  - Web: should be there
- Ensure that desktop sync client works properly with string file ids
  - Feature added here https://github.com/owncloud/client/pull/3937
  - Do you test that already in your QA?
- Sync unreadable/read-only folders
  - https://github.com/owncloud/ocis/issues/43
  - https://github.com/owncloud/client/issues/7237
  - Do you have any tests on that?
- Phoenix needs a professional look and feel
  - https://github.com/owncloud/phoenix/issues/1833
- OCIS/Reva missing functionality:
  - Mounting shares
  - Public links
  - File chunking

CERN

New sharing behavior (I)







New sharing behavior (II)

/home

DAV

/home

GW

/home

SP

fetch

/eos/user/hugo/
-a
- b

C:cbox/
- a
- b
- Shared with me
  - Docs
    -x
    -y

fetch
/eos/.shadow/hugo/Shared with me/Docs

Resolve Shared with me/Docs
reference

reference

/eos/user/gavin/Docs
- x
- y

New sharing behavior (III)

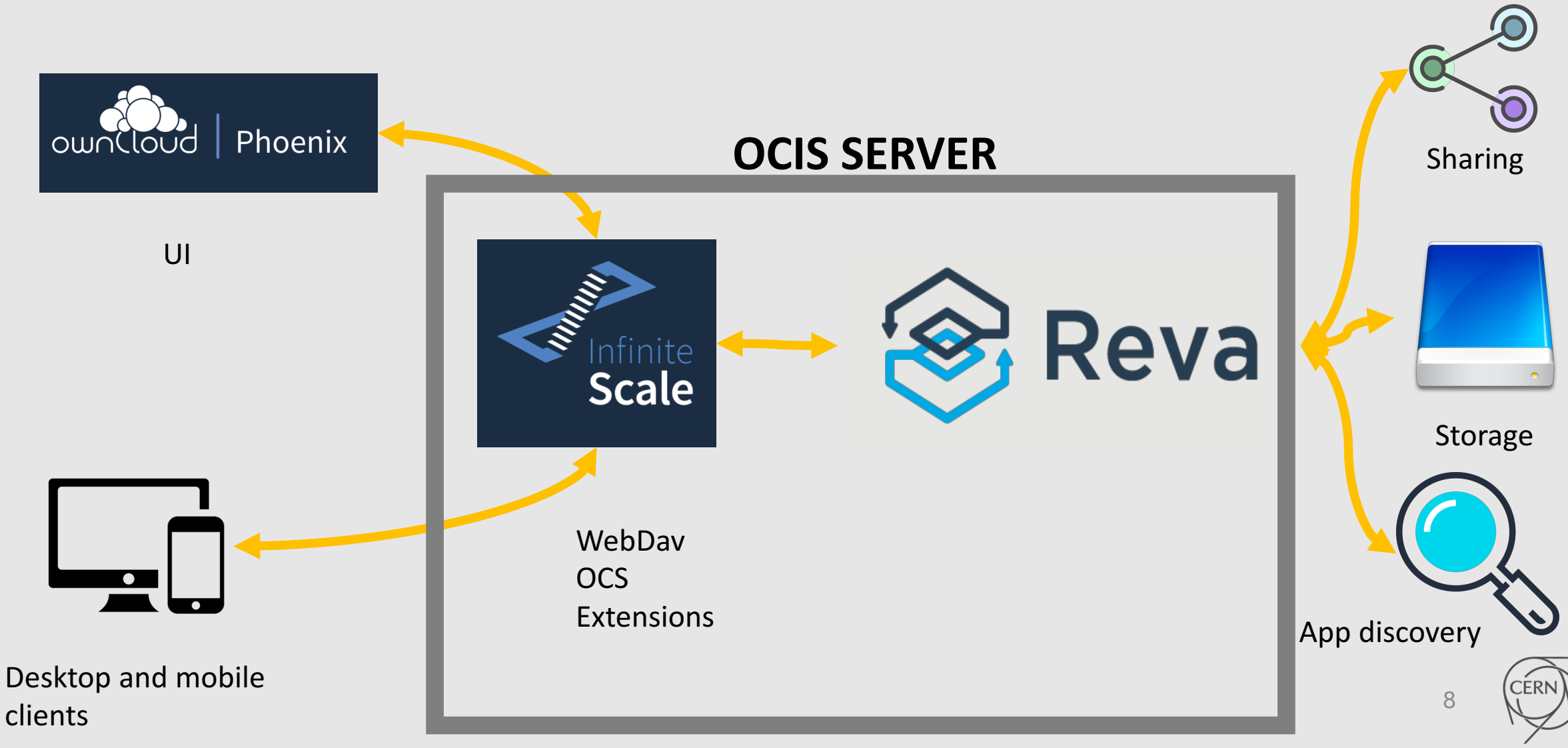
- New special folder “Shared with me”
  - Lives in the home directory of the user: “/home/Shared with me”
  - Gives access to all the shares accepted by the user
  - It MUST be read-only and correctly handled by clients, specially desktop:
    - https://github.com/owncloud/ocis/issues/43
    - https://github.com/owncloud/client/issues/7237

HOW REVA WORKS

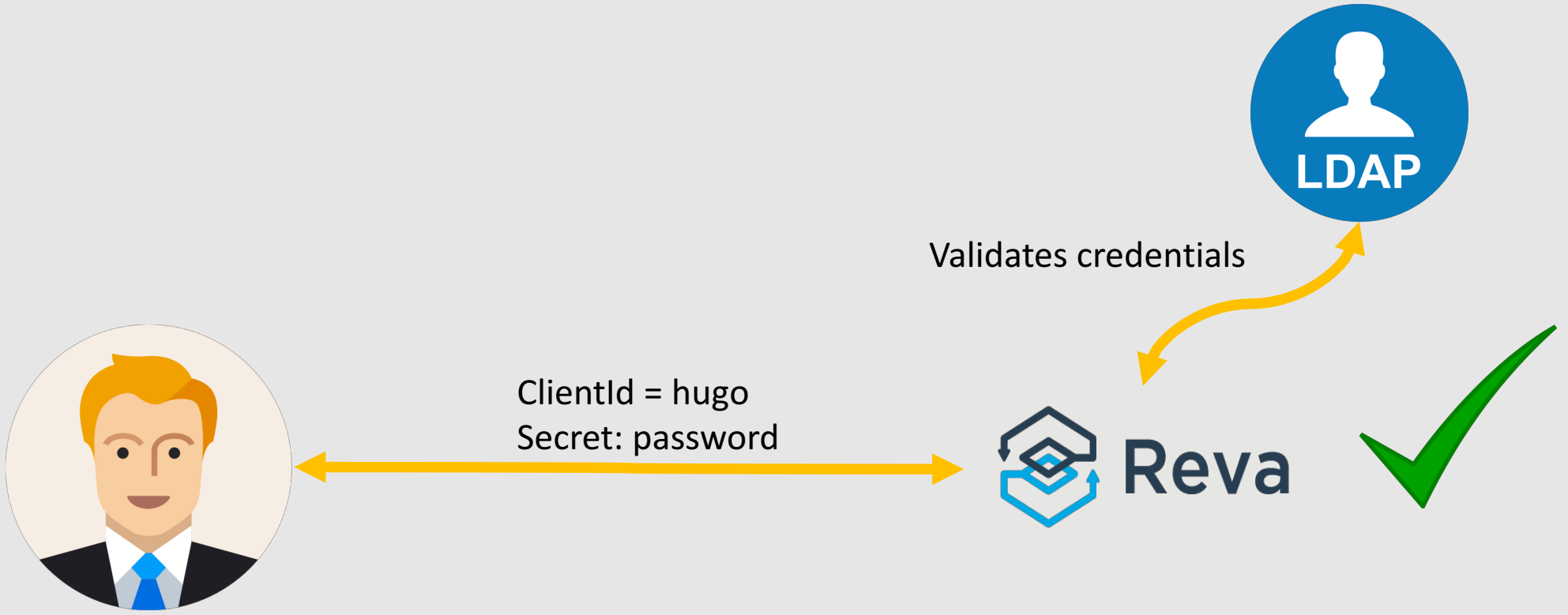
Documentation: https://reva.link/
Github: https://github.com/cs3org/reva
Questions: https://gitter.im/cs3org/REVA

CERN

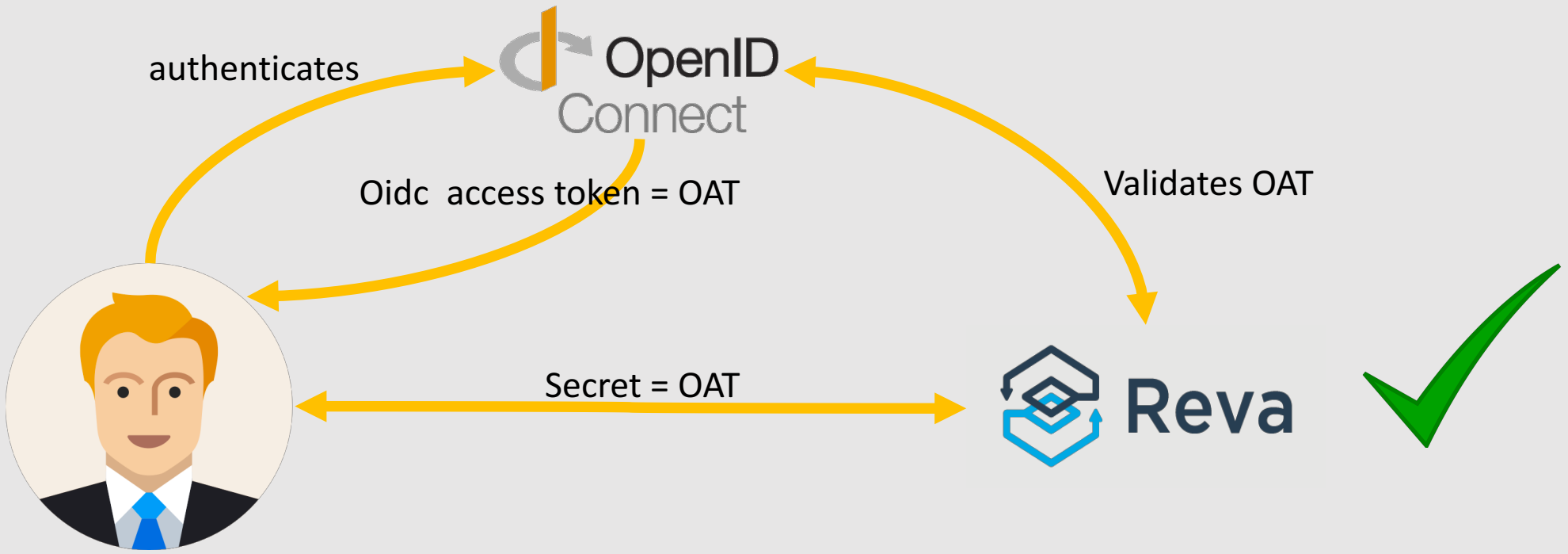
How Reva fits in OCIS?



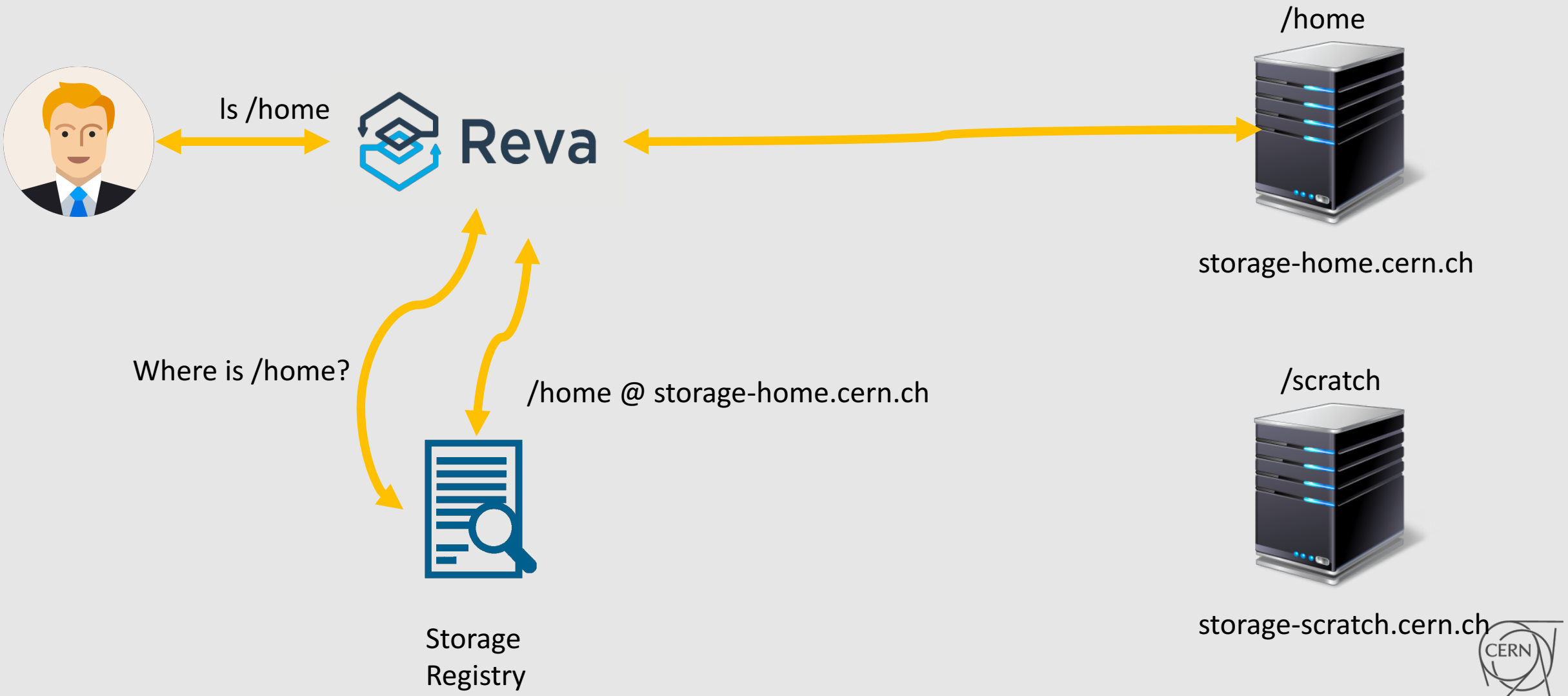
Internal Auth (Basic, ...)



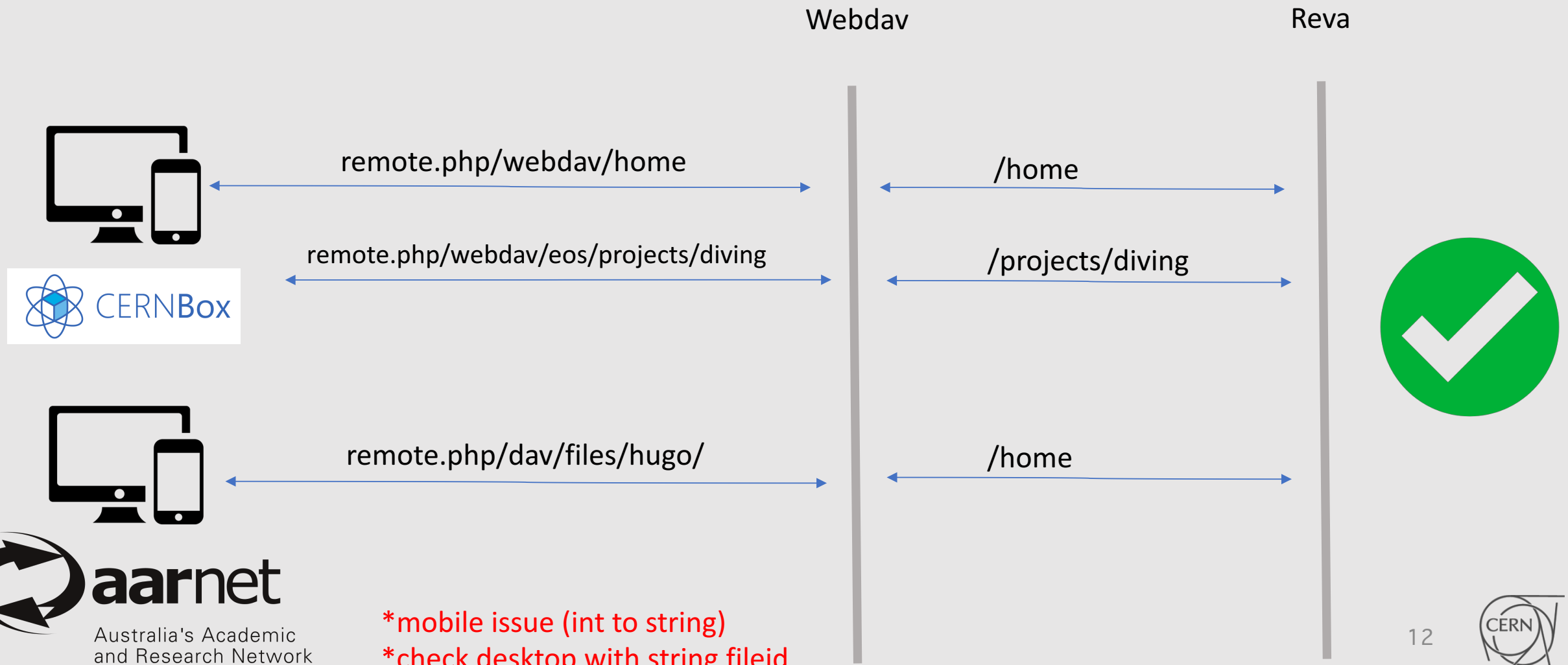
External Auth (OIDC, ...)



Storage Access



Ensuring compatibility with existing clients



aarnet
Australia's Academic and Research Network

*mobile issue (int to string)
*check desktop with string fileid

CERN

BACKUP

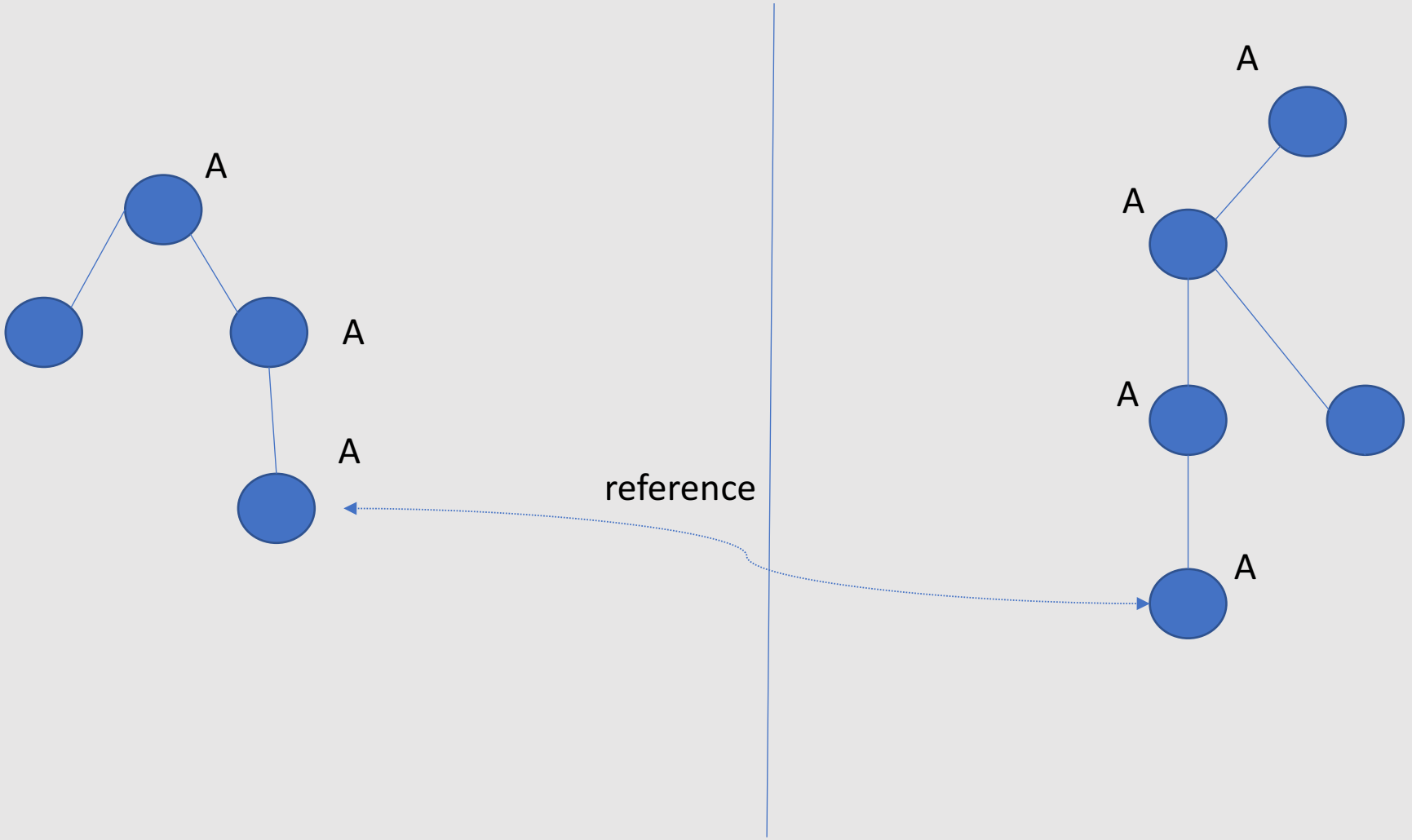
Why moving shares around is complex?

CIRCULAR DEPENDENCIES

- Needs to be solved on client side
- Or server side
- Or both

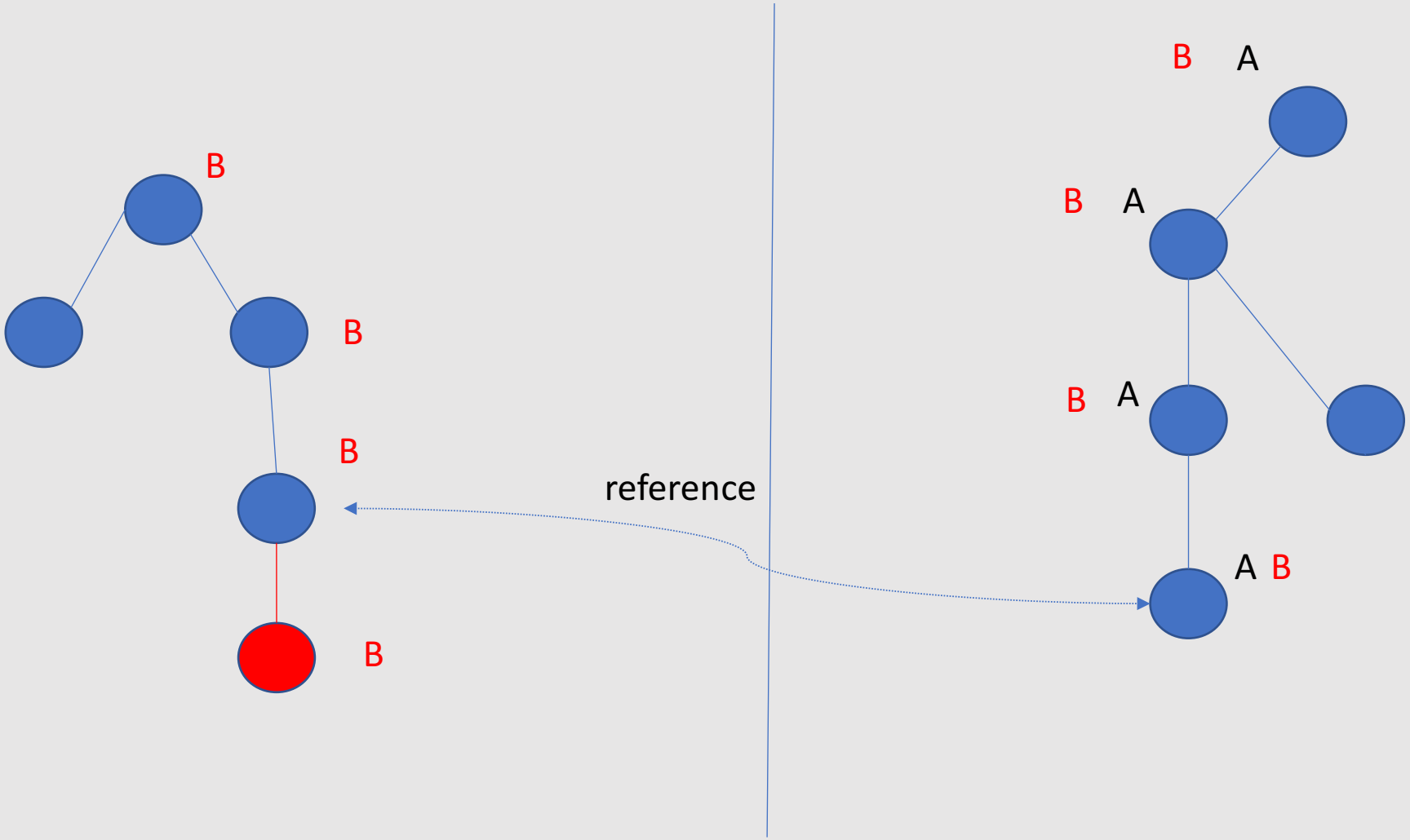
Similar problems to syncing symlinks: see https://github.com/owncloud/client/issues/1887

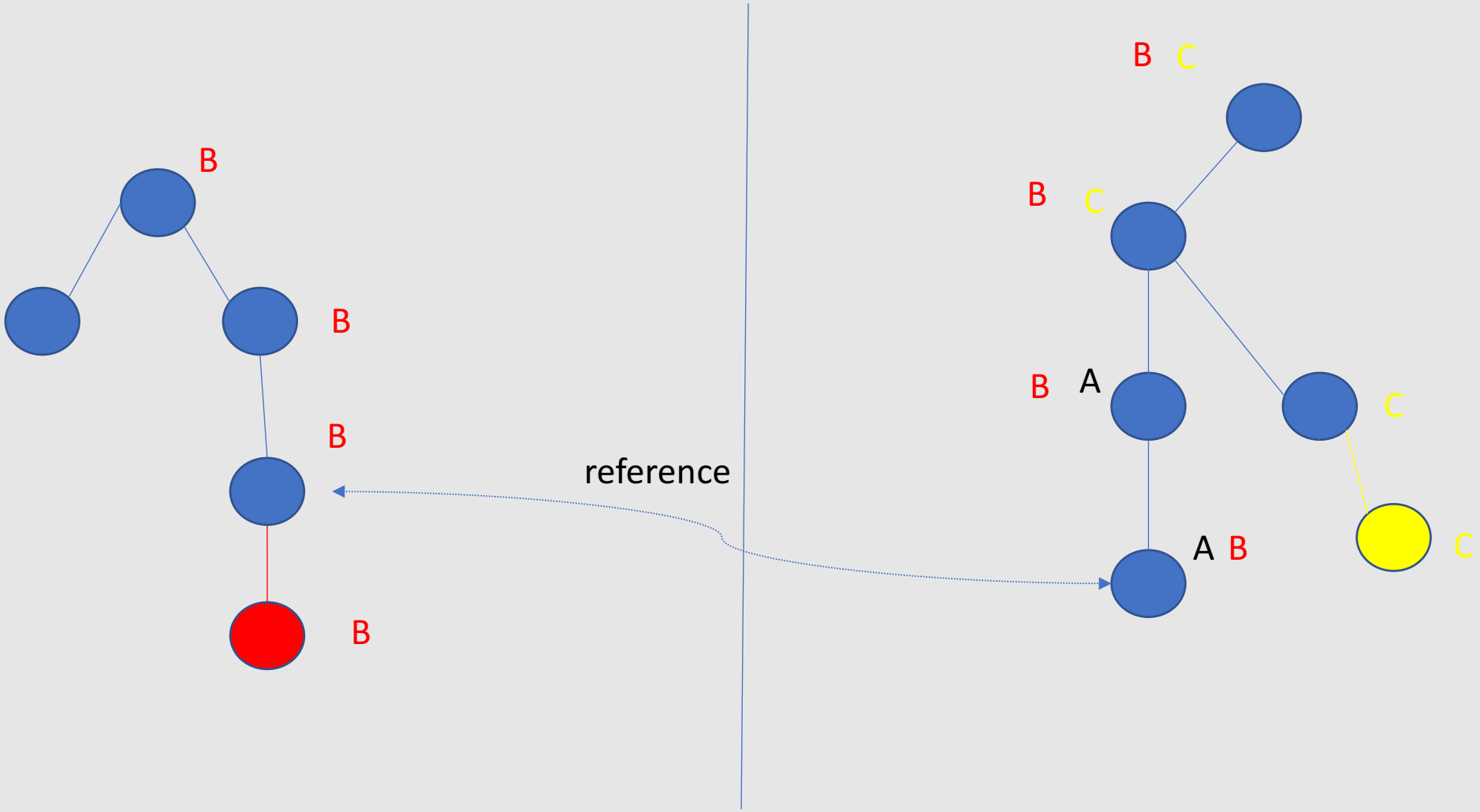
Why moving shares around is complex? II



Why moving shares around is complex? II

Cannot set ETAGs on EOS



Why moving shares around is complex? II

Cannot set ETAGs on EOS