

# 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

# New sharing behavior (I)

The screenshot shows the ownCloud interface. The top navigation bar includes a hamburger menu, the word "Files", the ownCloud logo, and a search icon. The left sidebar contains navigation options: "All files", "Favorites", "Shared with you" (highlighted), "Deleted files", and "Settings". The main content area displays a table of shares:

Name	State	Share time
Photos-from-admin	admin ✓ Accept Share Declined	8 months ago

Below the table, it indicates "1 folder".

This screenshot shows the "Shared with me" view in ownCloud. The left sidebar is the same as in the previous image. The main content area shows the breadcrumb "Shared with me" and a list of shares:

- Photos-from-admin

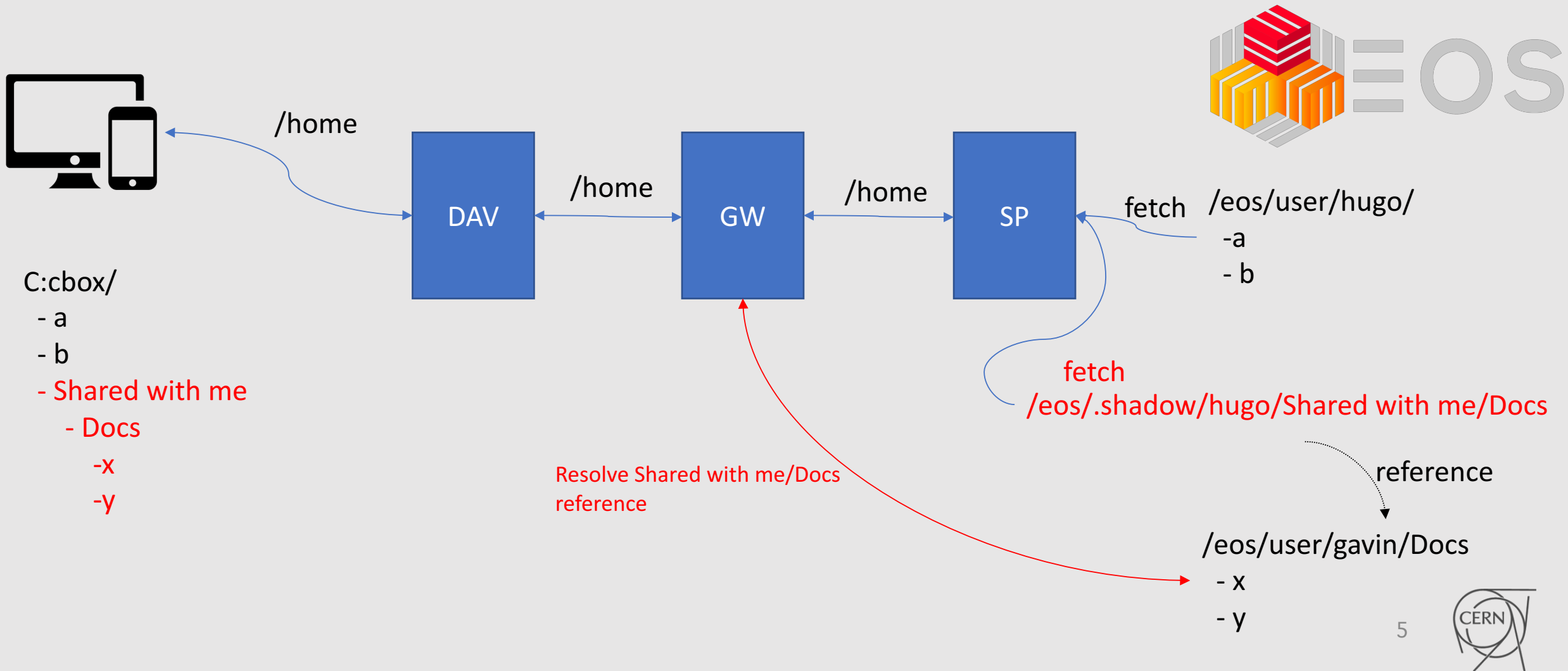
Below the list, it indicates "1 folder".

This screenshot shows a file explorer view of a folder hierarchy. The folders are listed on the left, and the contents of the selected "Photos from admin" folder are shown on the right. Green checkmarks are present next to each folder and file name, indicating a successful operation.

Folder/Item	Status
CERN	✓
Photos	✓
Private Sutff	✓
Shared with me	✓
Photos from admin	✓
Screenshot...06.14.png	✓
Screenshot...46.09.png	✓
Screenshot...46.48.png	✓



# New sharing behavior (II)



# 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>

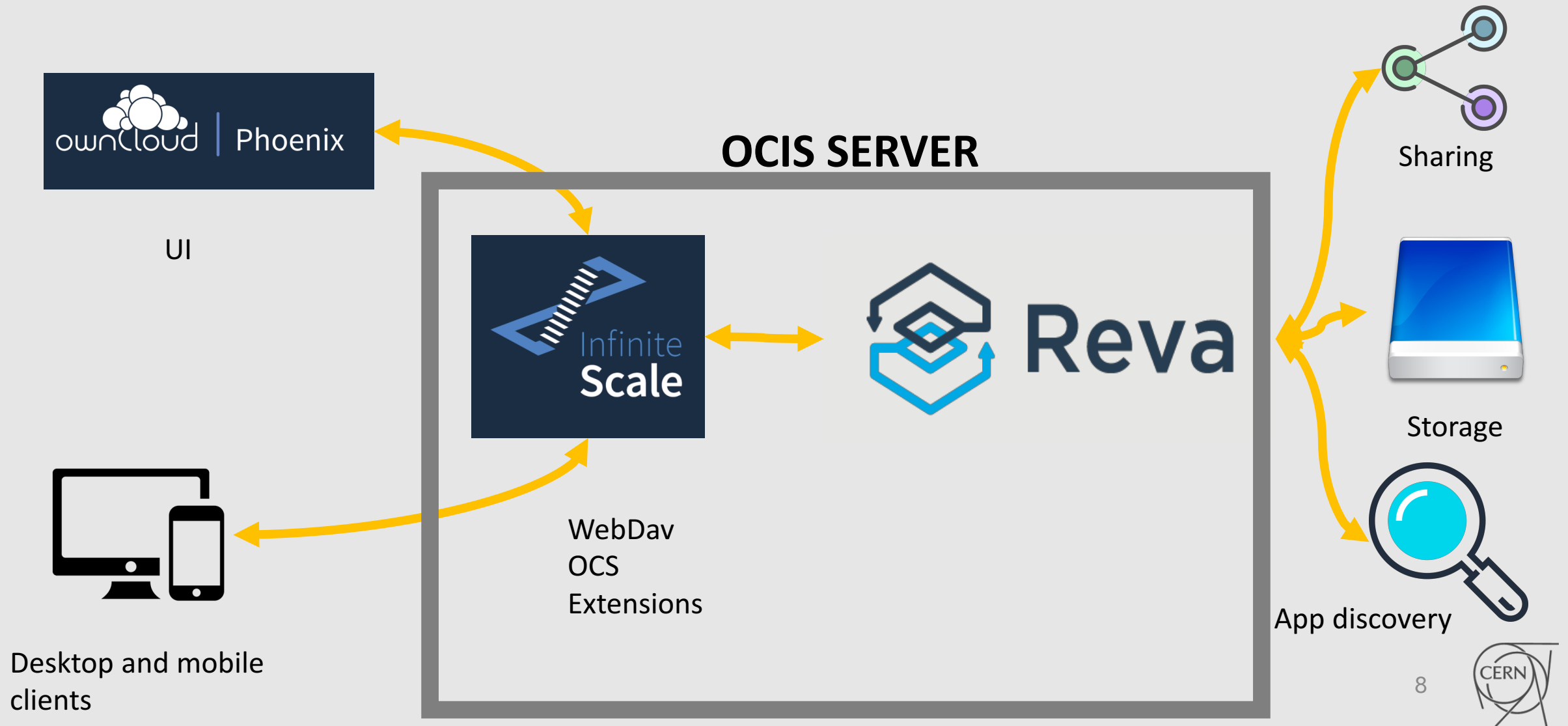
# HOW REVA WORKS

Documentation: <https://reva.link/>

Github: <https://github.com/cs3org/reva>

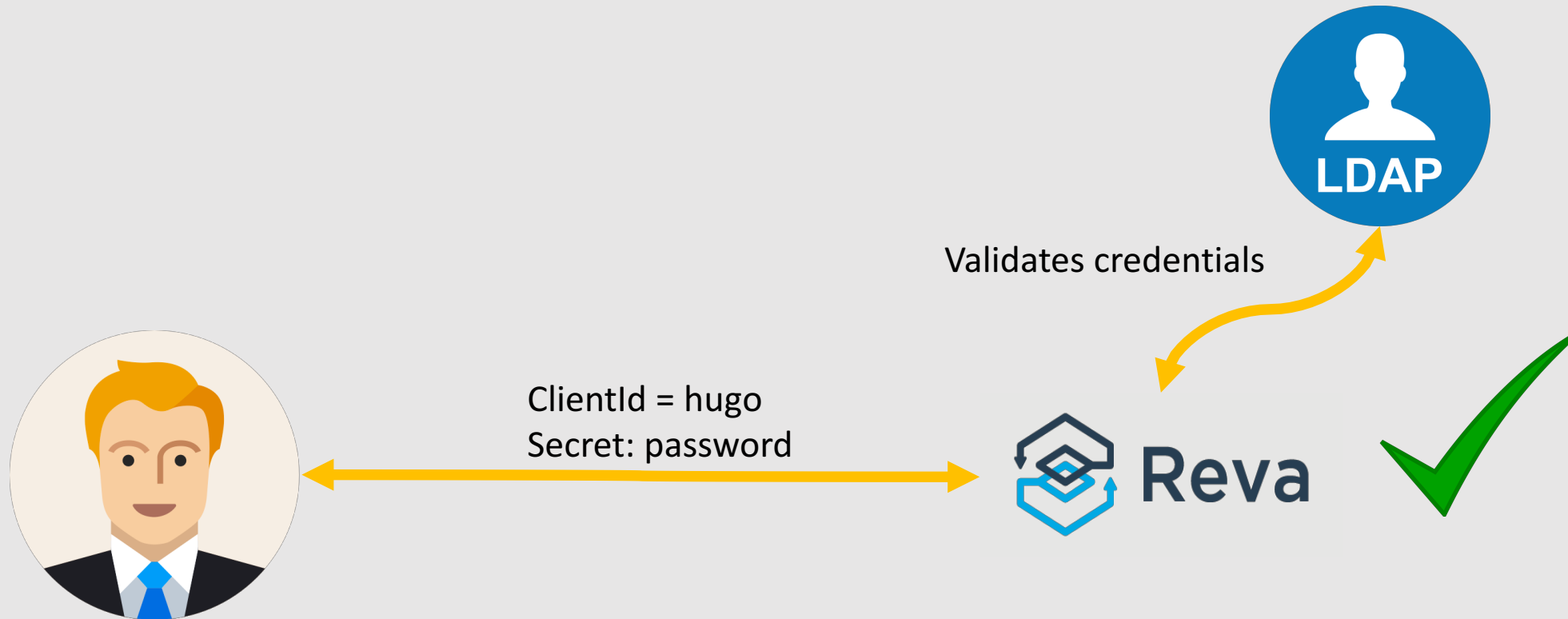
Questions: <https://gitter.im/cs3org/REVA>

# How Reva fits in OCIS?

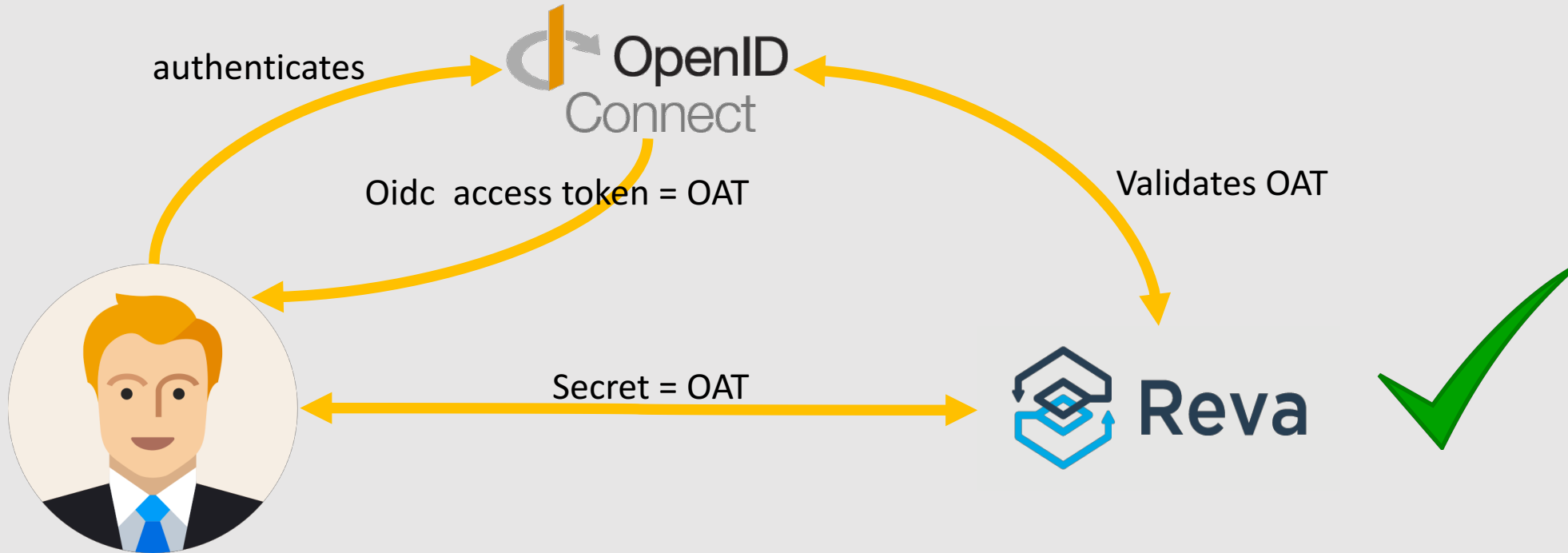




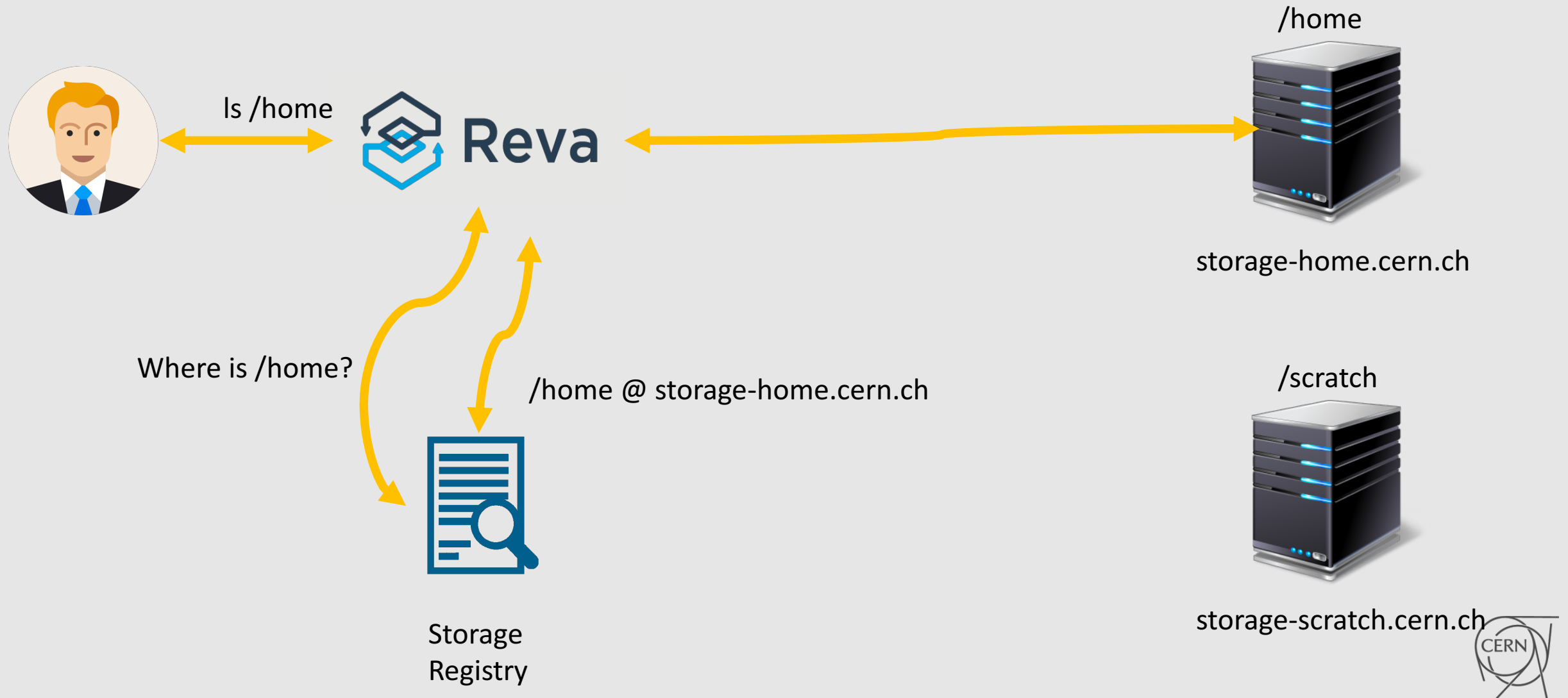
# Internal Auth (Basic, ...)



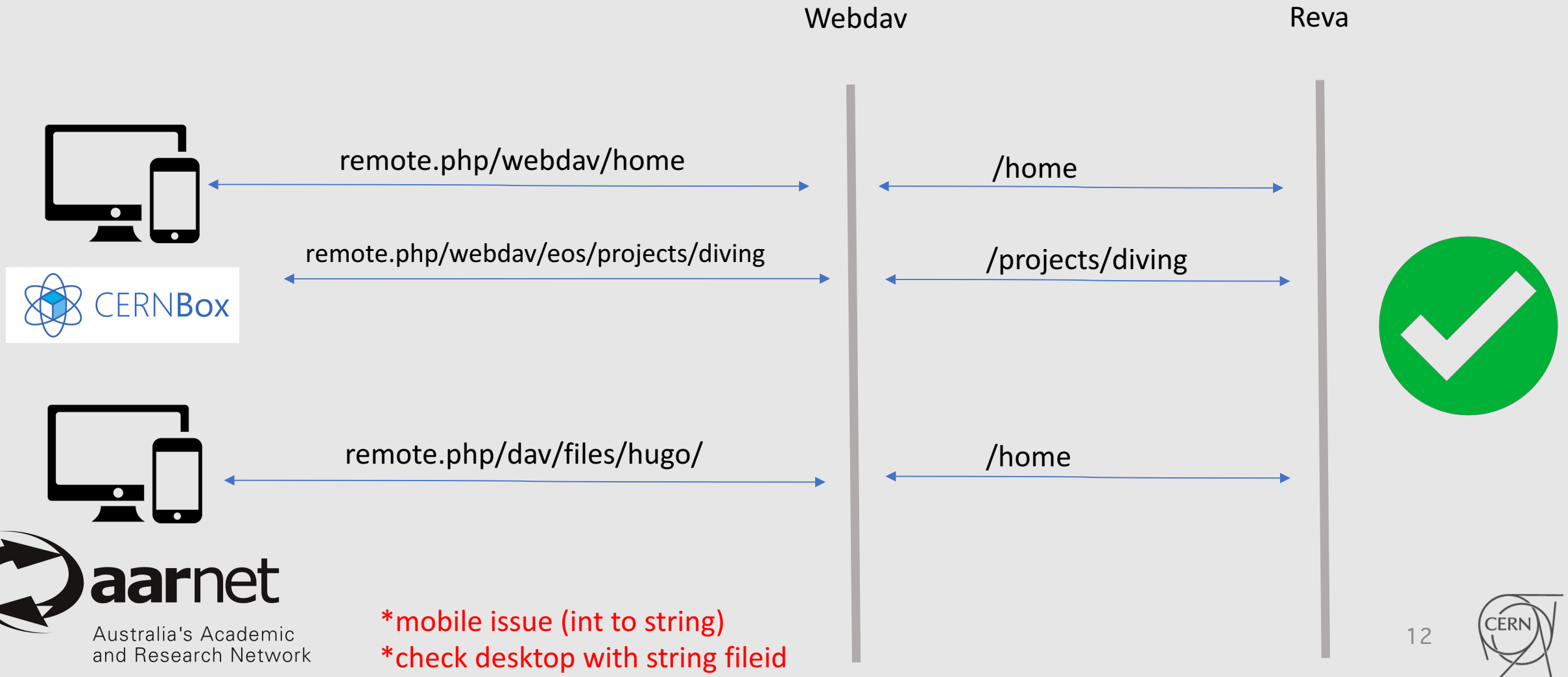
# External Auth (OIDC, ...)



# Storage Access



# Ensuring compatibility with existing clients



# BACKUP

# Why moving shares around is complex?

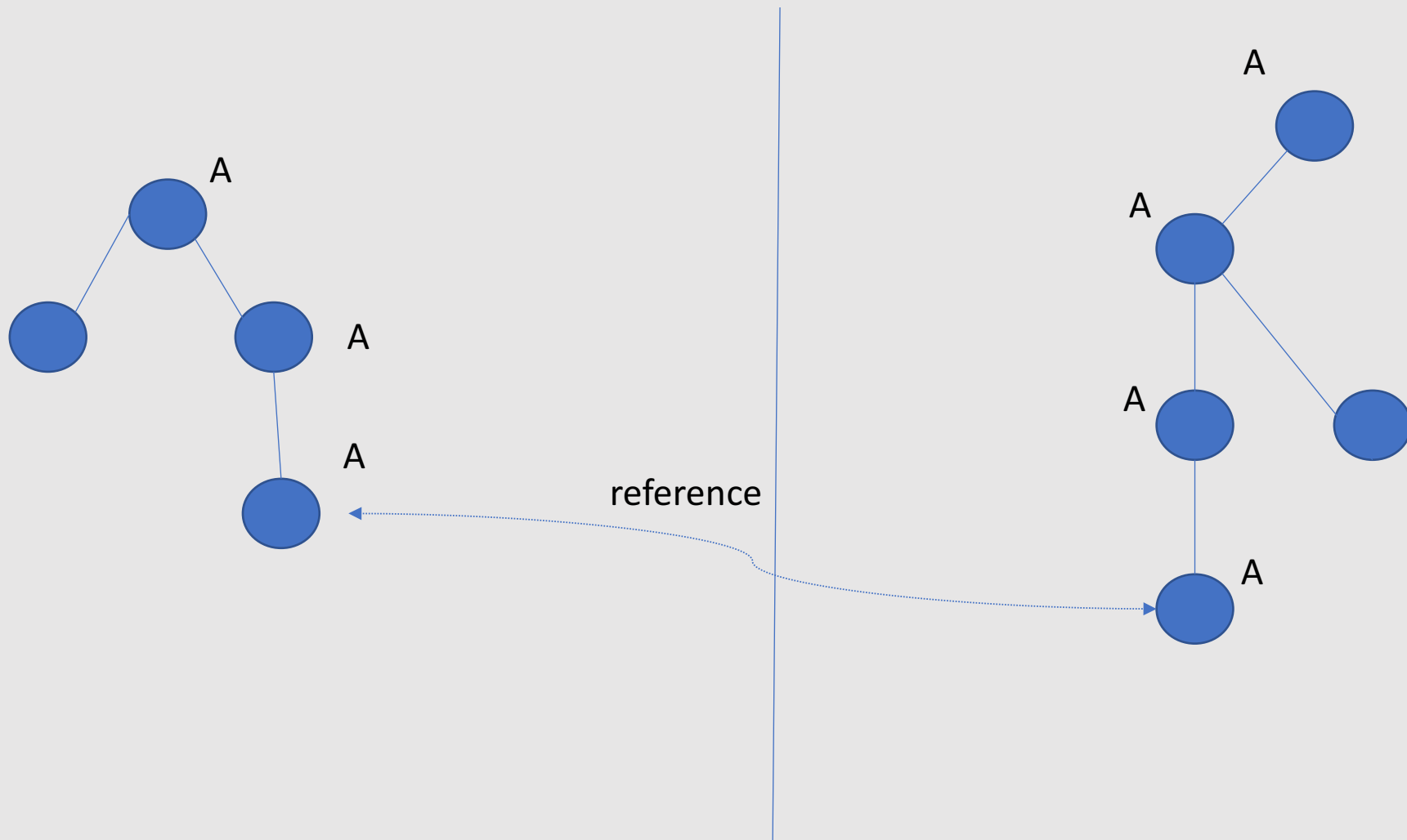
## CIRCULAR DEPENDENCIES

- 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>

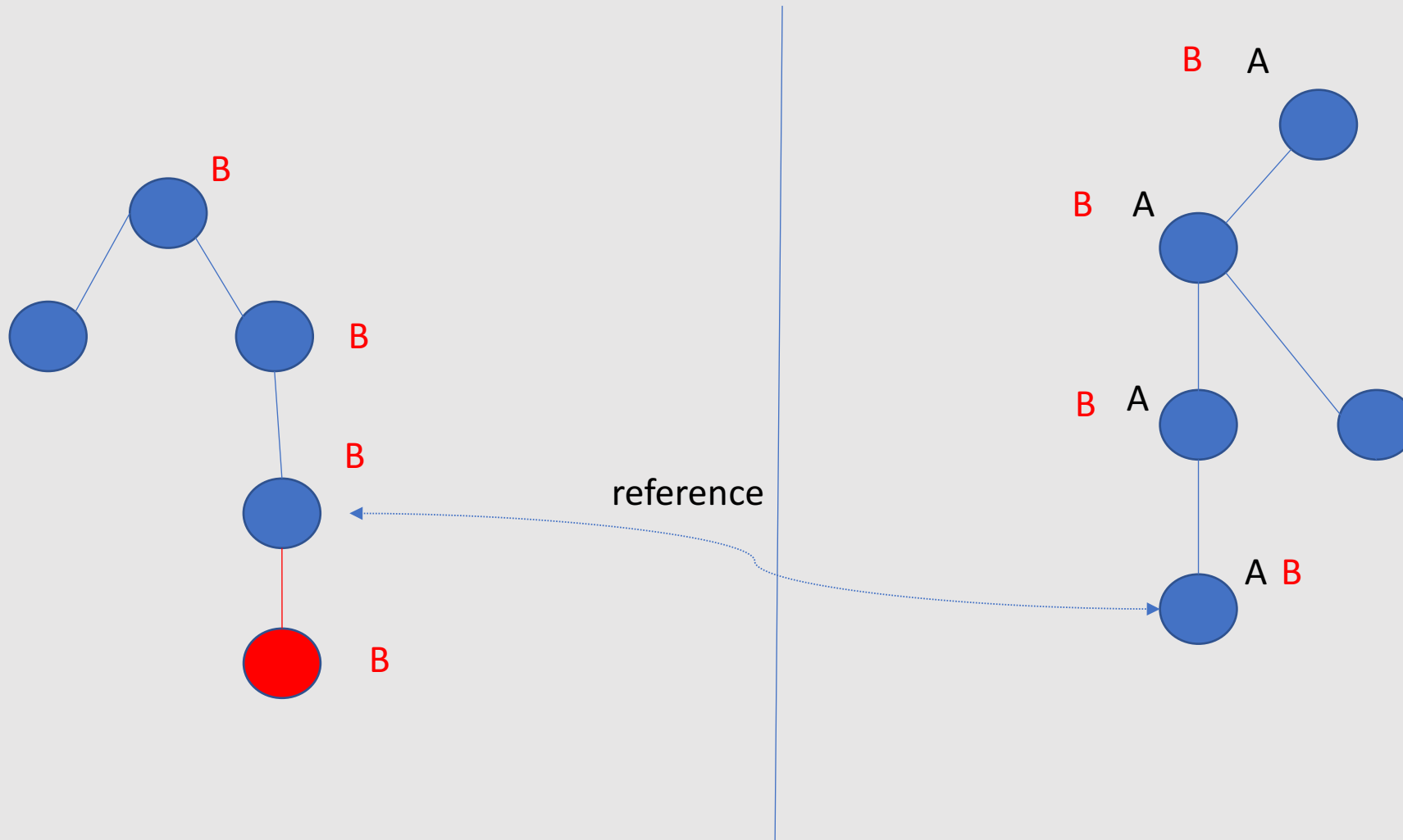


# Why moving shares around is complex? II



# Why moving shares around is complex? II

Cannot set ETAGs on EOS





# Why moving shares around is complex? II

