dCache.org

dCache-View

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On behalf of the project team

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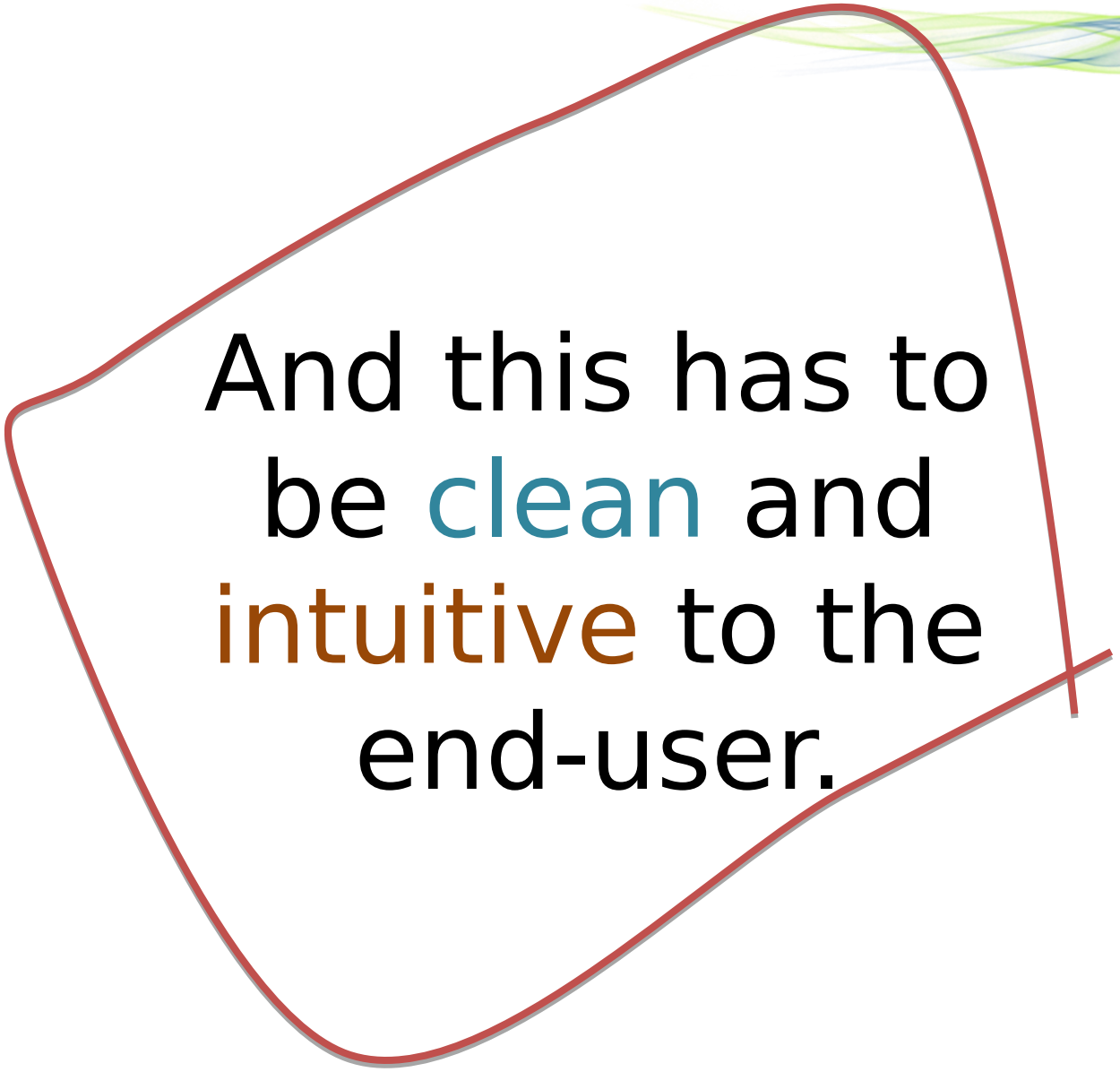
<Objective/>

To create a web application that provide an easy to use user interface for dCache Storage System

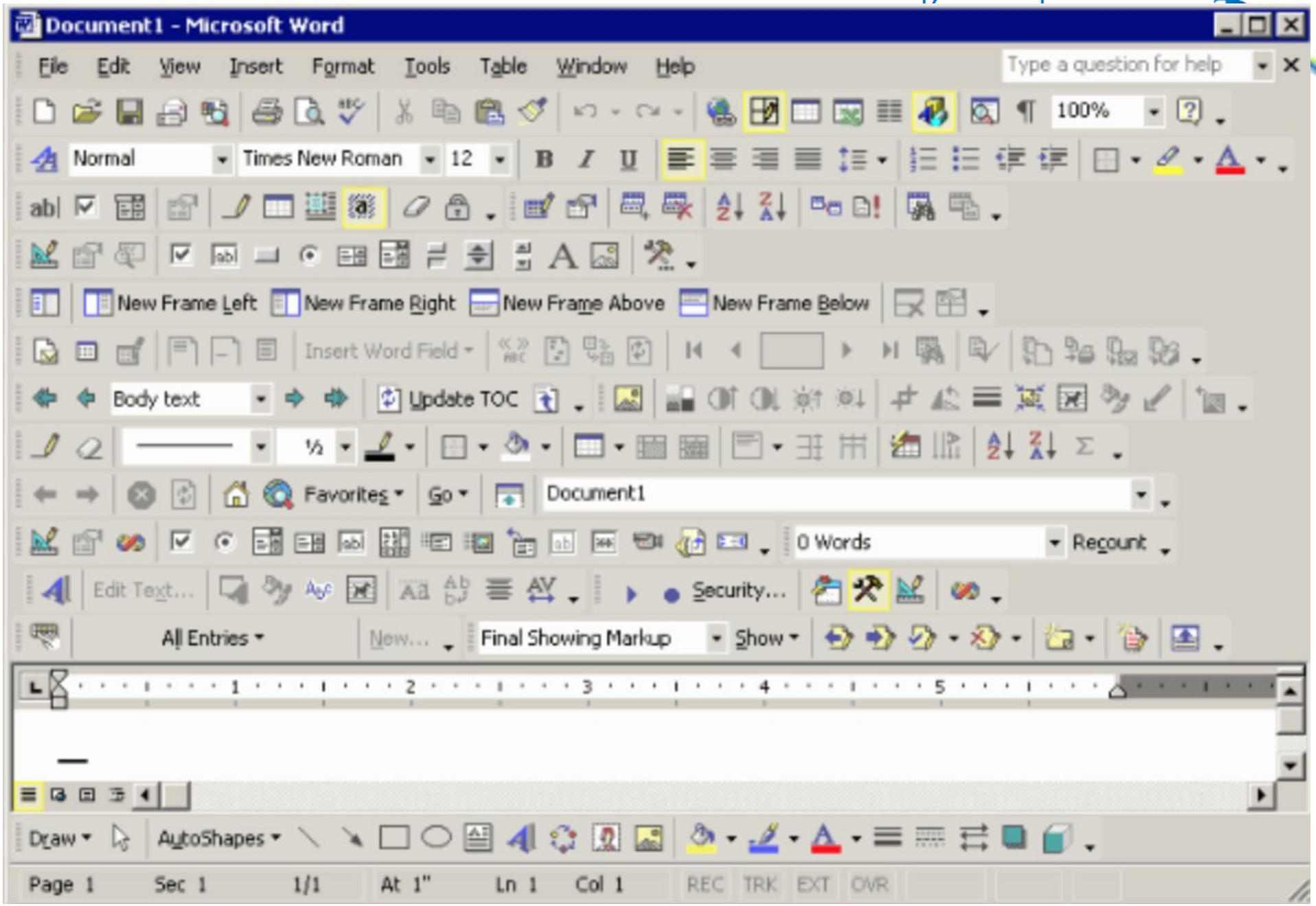
This mean we want to expose all the necessary features in dCache through our web application



And this has to be clean and intuitive to the end-user.

A USER INTERFACE IS LIKE A JOKE.
IF YOU HAVE TO EXPLAIN IT,
IT'S NOT THAT GOOD

"It's easy even for great teams building great products to make big UX mistakes because it's not always clear what's going to resonate with users.” - **@Real_CSS_Tricks**


Document1 - Microsoft Word
File Edit View Insert Format Tools Table Window Help
Type a question for help
100%
Normal
Times New Roman
12
New Frame Left
New Frame Right
New Frame Above
New Frame Below
Insert Word Field
Body text
Update TOC
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Document1
0 Words
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Edit Text...
Security...
All Entries
New...
Final Showing Markup
Show
Draw
AutoShapes
Page 1
Sec 1
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Ln 1
Col 1
REC
TRK
EXT
OVR

Cache-View (dV) is part of Frontend servi

dV uses the RESTful API to communicate with dCa

At times dV talk to the WebdaV door

We started from the basic

dCache View v1.0.0 in dCache 2.16

Features:

- Authentication– **with username and password**
- directories listing
- Rename
- Download
- Hover context menu
- User info – **home directory path, gid and uid**
- File metadata

What we've done?

- Migrate to Polymer 2.x
- Redesign of some elements
- Add new elements
- Add accessibility features
- dCache view Admin – see Al talk

</Migration to Polymer 2.X

Result of Migration to Polymer 2.x

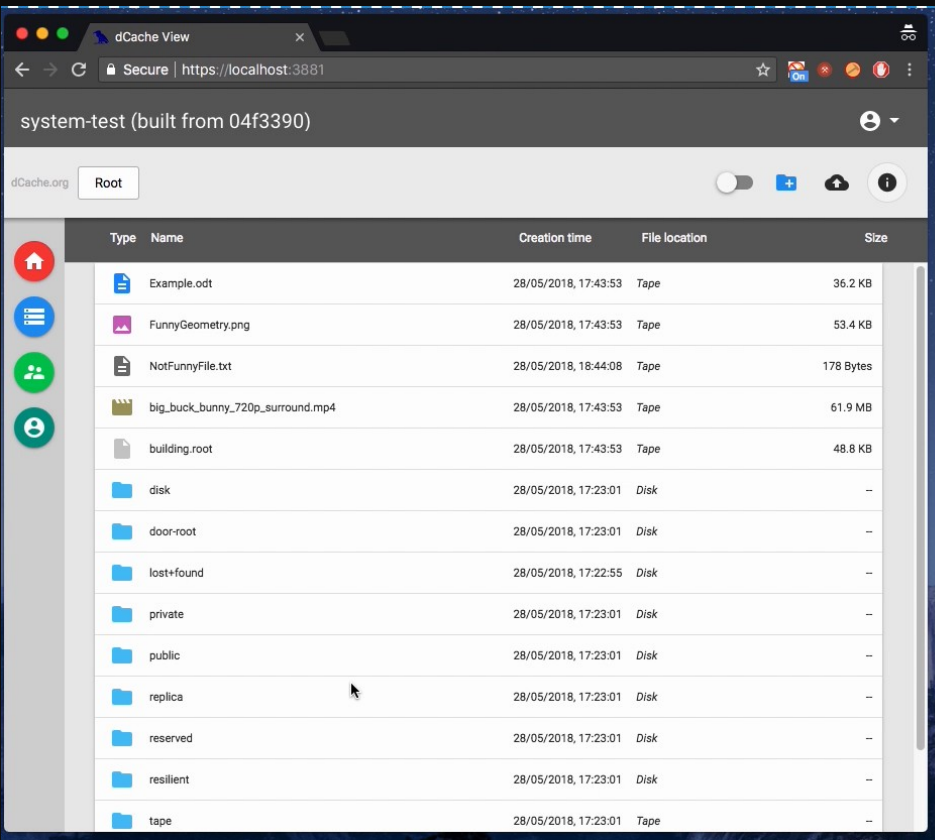
- Adopt new design paradigm
- Code readability
- Small library – **Polymer 1.x > Polymer 2.x in size**
- Modular components
- Easy to detect error
- trouble-free migration to v3

ded new elements & redesign some

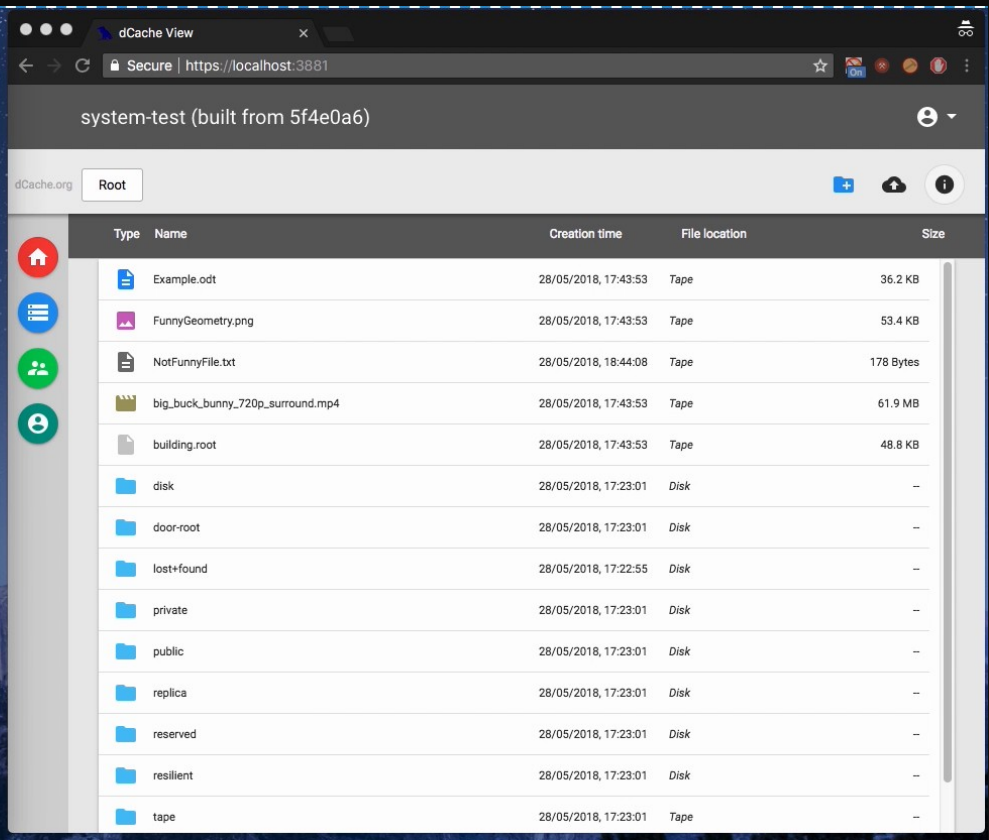
- Rename
- Context menu
- View-file
- Pagination buttons – support drag & drop
- Add support for Roles
- New user information page

</Context-Menu>

Version 1.3.x

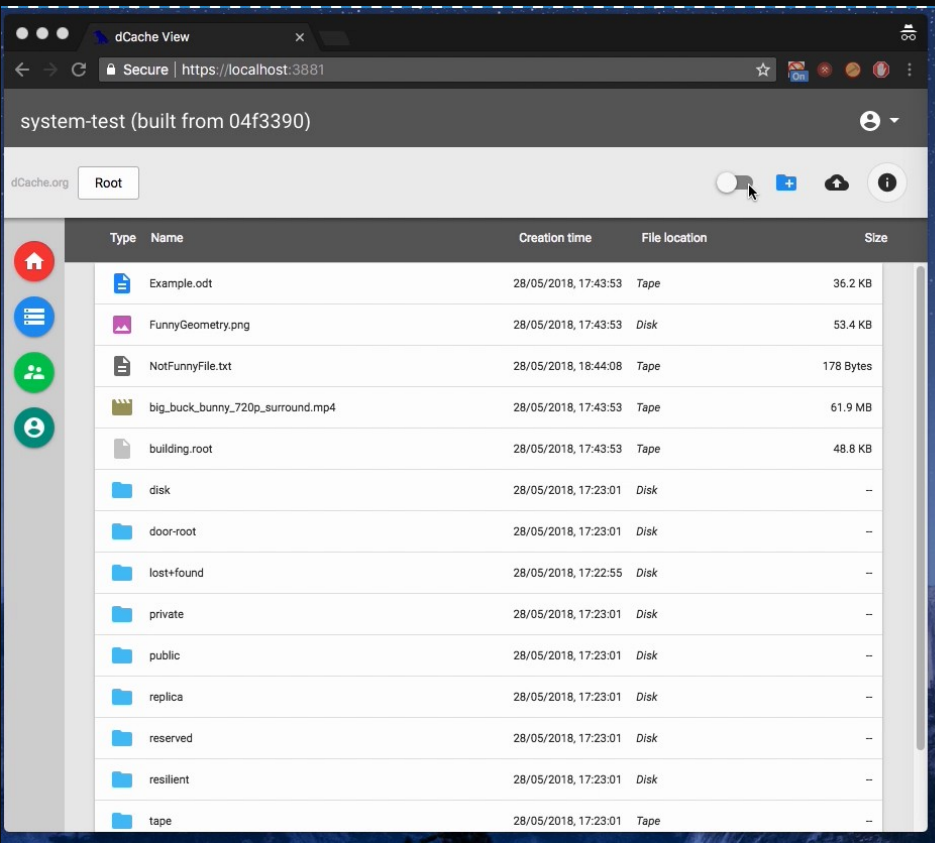


Version 1.4.x

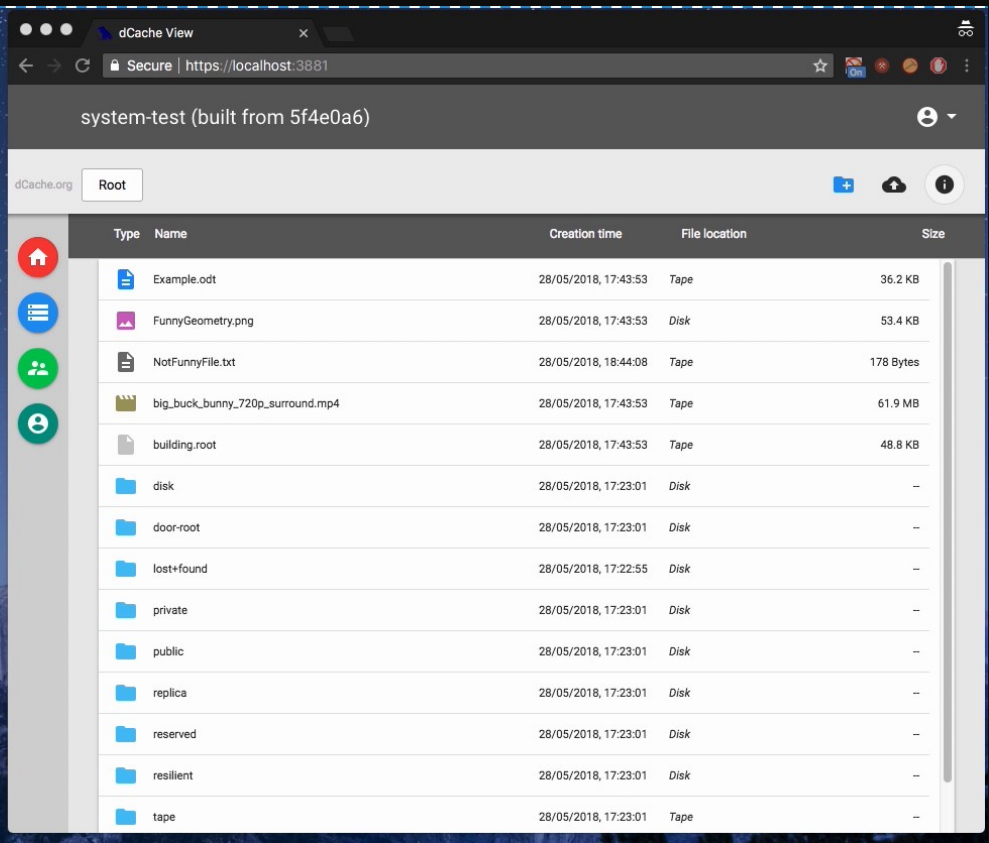


</Multiple-Selection>

Version 1.3.x



Version 1.4.x



</Renaming>

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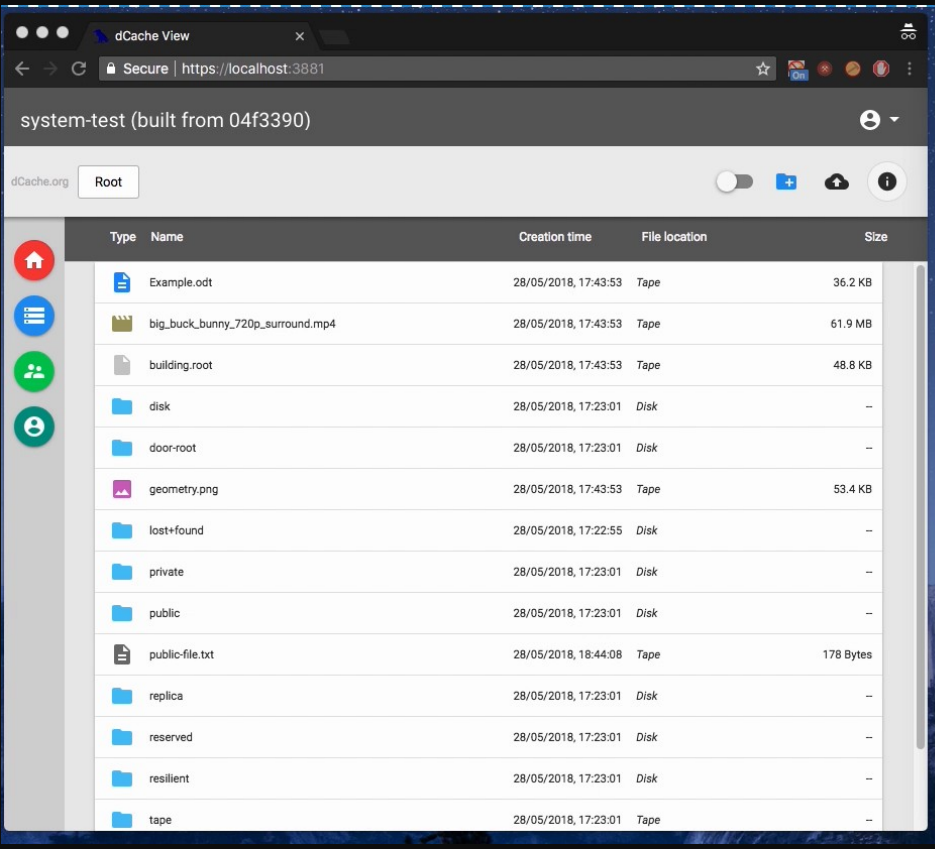
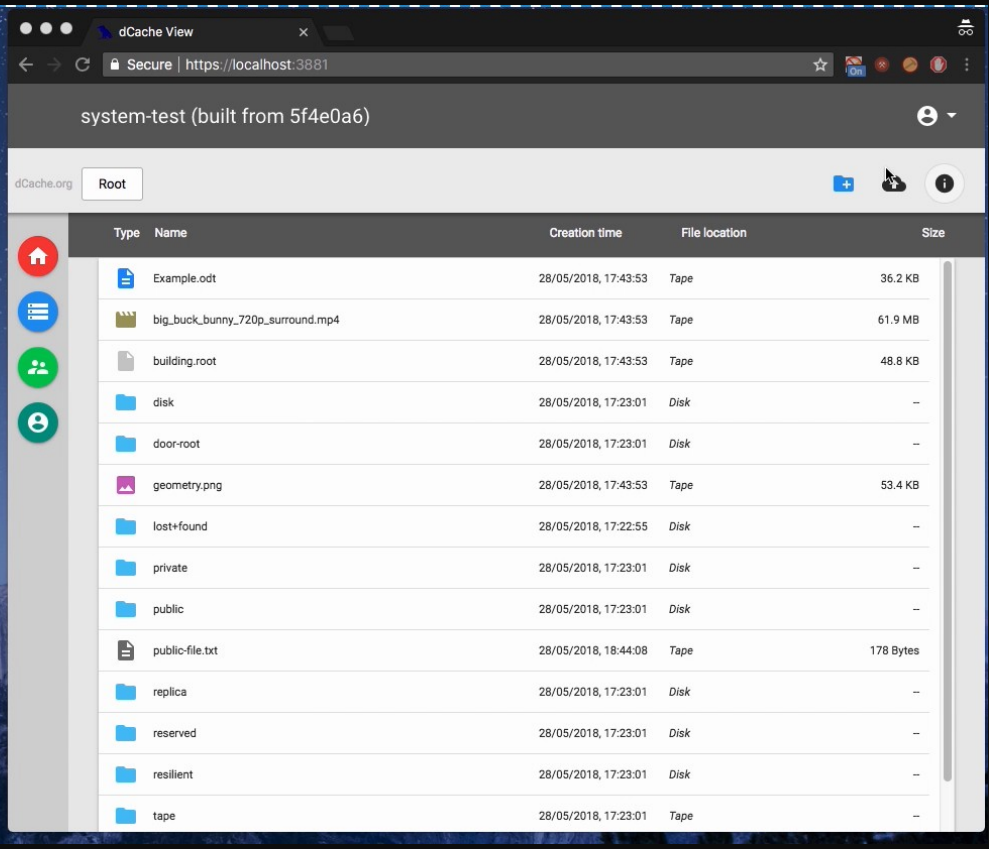
Version 1.3.x



Version 1.4.x



Now – dCache View v1.4.2 in dCache 4.1

- Authentication – **with OpenID connect** + username and password
- directories listing
- Rename – redesign
- Download + Upload
- Move – with multiple selection
- File Metadata
- Context menu – redesign
- User Information Page
- Drag and Drop
- Quality Of Service
  - Backend information
  - Change QoS

- Create new directory

What is next? – dCache View >= v1.5.0

- File sharing with macaroon <demo>
- Viewer
  - PDF <demo> -- Video Player
  - Image <demo> -- Root
  - Hdf5 -- ODF e.g. word, spreadsheets, presentations, etc.
- Notification – **see Paul's talk**
- Progressive Web Apps (PWAs)
- Upgrade to polymer v3
  - (may be) Android App

<Demo/>

I'm sorry dCache.org
Cat ate my home

<thank-you />