

Formation utilisateur iRODS : Le client web « Cloud Browser »

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Cloud Browser - client web

DFC (DataNet Federation Consortium) iRODS Cloud Browser

<https://github.com/DICE-UNC/irods-cloud-browser>

Permet de depuis son navigateur de :

- Naviguer dans ces données
- Modifier l'arborescence
- Visualiser et éditer les métadonnées
- Télécharger et envoyer des données

Cloud Browser - client web

Accès par mot-de-passe

The screenshot displays the Cloud Browser web interface. At the top left, the logo 'DFC CLOUD BROWSER' is visible. In the top right corner, there is a 'Log Out' button. The main interface is divided into three sections:

- My Folders:** A sidebar on the left containing 'root', 'My Home', and 'Starred Files'.
- Navigation:** A breadcrumb path at the top of the main area showing 'FRGRID' > 'home' > 'dbenab100p'.
- File Listing:** A table showing the contents of the current directory. The table has three columns: 'Name', 'Last Modified', and 'Size'. The text 'Nothing has been selected' is displayed above the table. The table contains the following entries:

Name	Last Modified	Size
benchmark-parrallel-1-tmp	7/28/15 4:26 PM	--
50M.bin	12/23/14 2:40 PM	0 B
icommands_list.txt	11/18/14 10:29 AM	348 B

Below the file listing, there are several action icons: Info, Download, Move, Copy, Rename, and Delete. At the bottom right of the interface, there is a logo for 'Powered by iRODS'.

Cloud Browser - client web

Client :

- Pure html/javascript
- Jargon based API
- Groovy/Grails
- AngularJS

Serveur :

- Java 1.7+ and Tomcat7 (.war file)
- HTTP server

Cloud Browser - client web

Avantages:

- Interface simple
- Téléchargement et téléversement simple
- Téléversement de plusieurs fichiers en même temps possible
- Débits correct (~400Mbits/s)

Limitations:

- Impossible d'envoyer des fichier > qqes Go (limitation liée à HTTP)
- Bug : erreurs lors du téléchargement d'un dossier ou de plusieurs fichiers
- Pas de fonctionnalités avancés (ACL, partage publique, recherche sur les métadonnées, etc.)

Cloud Browser - client web

DFC CLoud BROWSER

Log In

Welcome

Host: ccirods.in2p3.fr

Port: 5555

Zone Name: FRGRID

User Name: username

Password:

Authentication: Standard

Log In

Powered by iRODS

Host -> ccirods.in2p3.fr
Port -> 5555
Zone -> FRGRID
User -> username
Password -> pass

C'est à vous

- Se connecter à :
<https://irods-web.mcia.univ-bordeaux.fr/irods-cloud-frontend/>
- Téléverser deux fichiers en même temps (« upload »)
- Visualiser ces fichiers dans iRODS
- Ajouter une métadonnée
- Effacer un fichier
- Télécharger un fichier
- Créer un dossier
- Déplacer un fichier dans ce dossier

Cloud Browser – exemple (action)

The screenshot displays the DFC Cloud Browser interface. At the top left, the logo 'DFC CLOUD BROWSER' is visible. In the top right corner, there is a 'Log Out' button. Below the header, the interface is divided into several sections:

- My Folders:** A sidebar on the left containing 'root', 'My Home', and 'Starred Files'.
- Navigation:** A breadcrumb path showing 'FRGRID' > 'home' > 'dbenab100p'.
- File List:** A table listing files and folders. The file '50M.bin' is selected and highlighted in blue. The table has columns for 'Name', 'Last Modified', and 'Size'. Above the table, there are action buttons: Info, Download, Move, Copy, Rename, and Delete.

Name	Last Modified	Size
benchmark-parrallel-1-tmp	7/28/15 4:26 PM	--
50M.bin	12/23/14 2:40 PM	0 B
icommands_list.txt	11/18/14 10:29 AM	348 B

At the bottom right of the interface, there is a logo for 'Powered by iRODS'.

Cloud Browser – exemple (metadata)

The screenshot displays the DFC Cloud Browser interface. At the top, there is a teal header with the DFC logo and 'CLOUD BROWSER' text, and a 'Log Out' button. Below the header, there are navigation tabs for 'FRGRID', 'home', and 'dbenab100p', along with a 'Star it!' button. The main content area shows details for a file named '50M.bin', including its creation and update dates, size (0 bytes), and owner (dbenab100p). A 'Metadata' section is highlighted, showing a table with two rows of data. The table has columns for 'Attribute', 'Value', and 'Unit'. The first row shows 'Test' with a value of '667' and a unit of 'cm'. The second row shows 'experiment' with a value of '42'. There are also 'Add', 'Edit', and 'Delete' buttons for the metadata table. At the bottom right, there is a 'Powered by iRODS' logo.

DFC CLOUD BROWSER Log Out

FRGRID home dbenab100p ☆ Star it!

Name: 50M.bin | **Data Object MIME Type:** application/octet-stream
Created: 12/23/14 2:40 PM
Last Updated: 12/23/14 2:40 PM
Size: 0 bytes
Owner: dbenab100p

Actions ▾

Metadata Coming soon ...

Attribute	Value	Unit
Test	667	cm
experiment	42	

+ Add ✎ Edit ✕ Delete

Powered by **iRODS**

Cloud Browser – exemple (upload)

The screenshot displays the Cloud Browser interface. On the left, a sidebar titled "My Folders" lists "root", "My Home", and "Starred Files". The main area shows a dialog box titled "Uploading files to dbenab100p" with a close button (X) in the top right. Inside the dialog, three files are listed: "1G.bin", "2G.bin", and "10M.bin". A central "Please Wait" message with a loading spinner is overlaid on the file list. At the bottom right of the dialog is a green "Upload Now" button. Below the dialog, a link "Browse More Files" is visible. The top right corner of the browser shows a "Log Out" button. The bottom right corner features the text "Powered by iRODS".

Size
-
0 B
348 B