Chronojump Cloud

Chronojump Cloud allow the visualization of data captured with different computers using Chronojump.

1. Structure of the different computers for capture and visualization

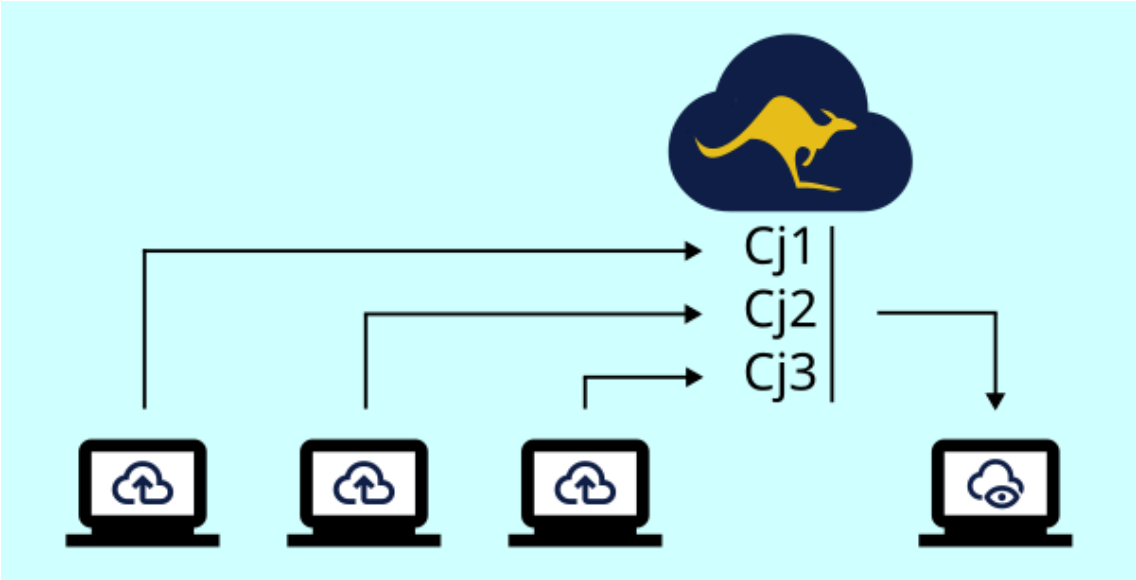


Figure 1: Schema of Chronojump-cloud use

Computers intended for capture

(and data upload)

The computers that capture can be organized by each of the sensors:

- One computer for jump with contact platform.
- Another computer using force sensor.
- Another for encoder.
- ...

Another possible structure would be for the technicians of a gym:

- Computer of the 1st technician of the fitness area.
- Computer of the 2nd technician of the fitness area.

Chronojump Cloud

- Computer of the 1st technician of the specific testing area.
- ...

Or any structure you want. The diagram figure 1 shows the folders Cj1, Cj2, Cj3 but they can have any name you wish.

Each of the capture computers will use a different folder. In the image represented as Cj1, Cj2, Cj3 but it can have any other name depending on the structure desired. The viewing computer will access any of these folders.

All computers must have Chronojump and a cloud data application installed (for this document Dropbox is used as an example).

Once these configurations have been made, we must close and reopen the Chronojump application.

In the lower left corner, the Copy to cloud button will be displayed, which will be used to upload the data to the server whenever desired.

Computer intended for visualization

(usually is one computer, but can be more)

The computer intended for visualization will be able to access the Chronojump folders of each computer, allowing the collection and visualization of all data.

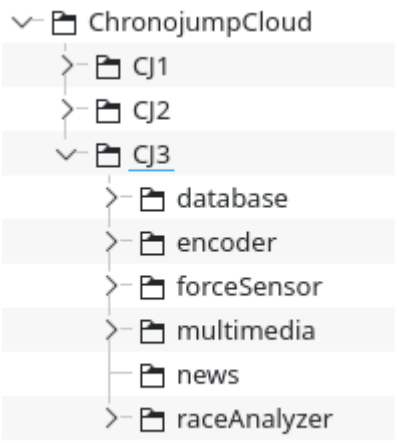
If desired, more than one computer could be configured for this purpose.

Chronojump Cloud

Example of folder structure.

The computer intended to view must have access to the ChronojumpCloud and all its subfolders

Computers configured to capture must have haccess to the corresponding folder (CJ1, CJ2...)



2. Cloud configuración (example with Dropbox)

To begin, it is necessary to create an account on a multiplatform network file server. In this case, we choose to create an account on the Dropbox platform. To use Chronojump Cloud we need to have the Dropbox application installed on each of the computers.

Dentro de la cuenta, creamos una carpeta principal. Para este ejemplo la hemos denominado “Chronojump Gym”.

En la carpeta principal principal creamos dos subcarpetas (“Encoder & ForceSensor” y “Testing Jumps”) encargadas de almacenar los datos de cada ordenador de captura.

Cada una de estas subcarpetas debe ser accesible desde los correspondientes ordenadores de captura. Esto implica que deben estar sincronizadas con el cliente de escritorio de Dropbox.

Si se quiere compartir datos con distintos usuarios de Dropbox, será necesario dar permisos a dichos usuarios.

Within the account, we create a main folder. For this example we have called it “Chronojump Gym”.

Within the main folder we create two subfolders called “Encoder & Force Sensor” and “Testing Jumps” that will that will store the data of each of the capture computers. Therefore, both the computers that capture (and upload the data) and those that view it

must be able to access these folders either because it is the same account or because them has been shared between different Dropbox users.

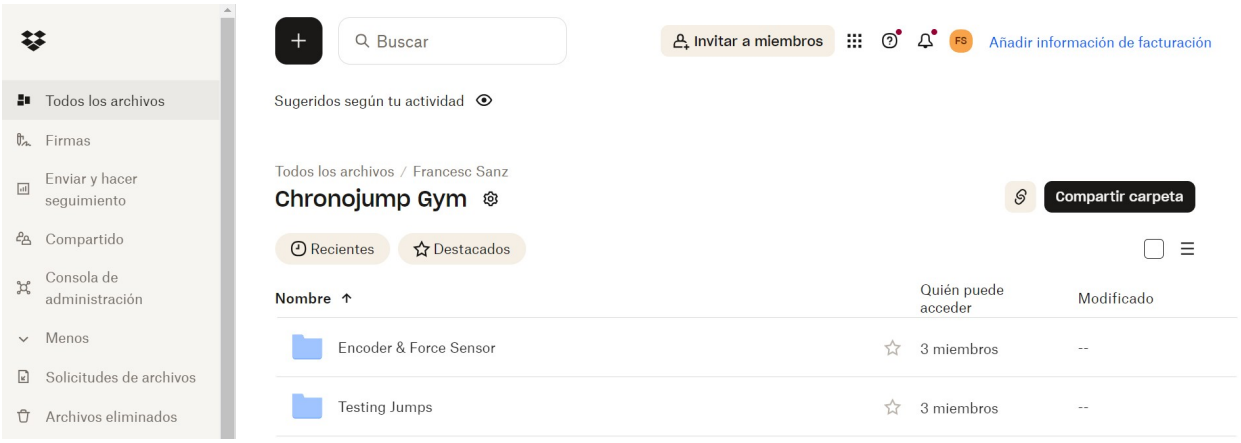


Figure 2: Dropbox folders structure

We will need to know the **path of the Dropbox data** for each of the computers. To find out which Dropbox folder is on your computer, we will consult: https://help.dropbox.com/installs/locate-dropbox-folder.

Chronojump Cloud

3. Setting up and using Chronojump for capture

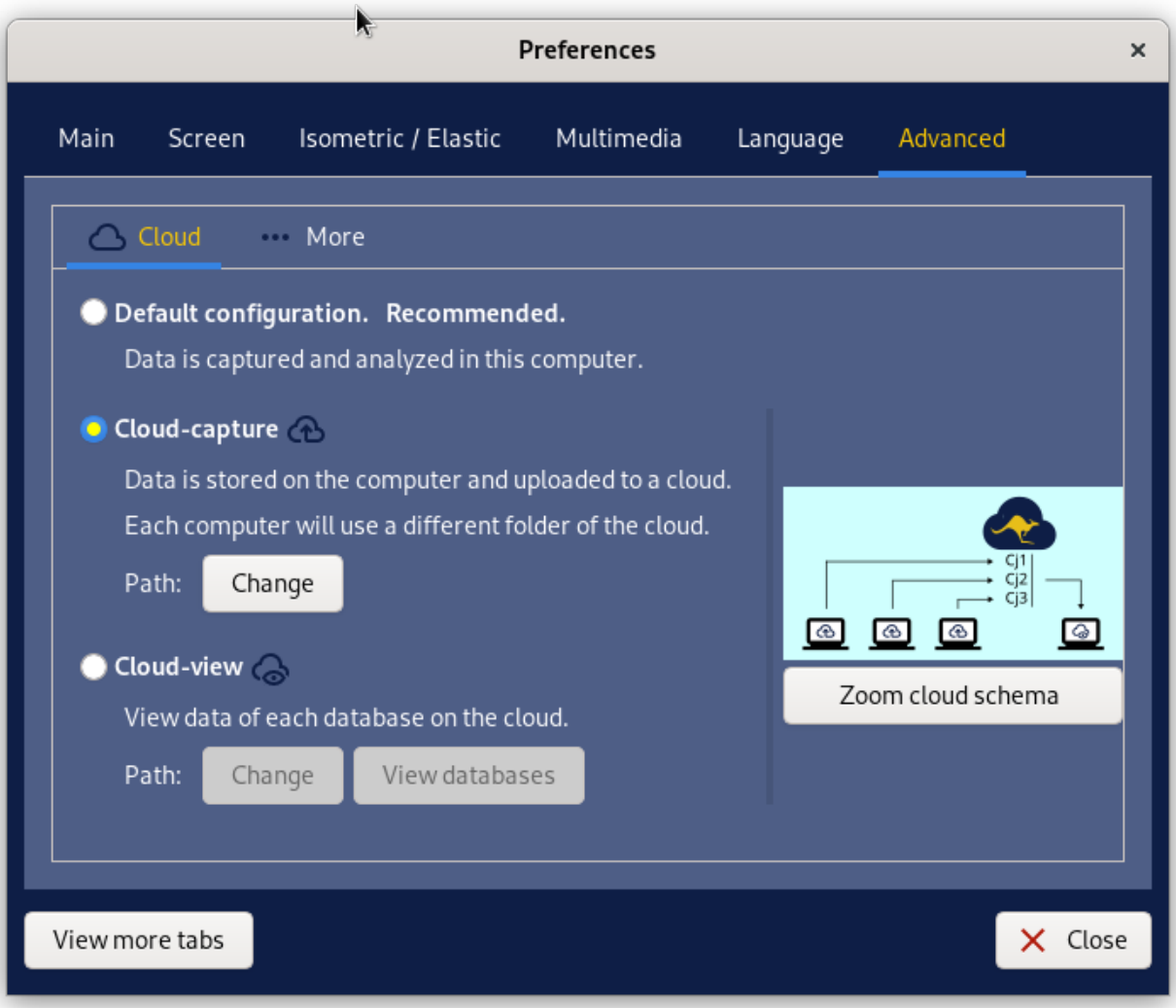
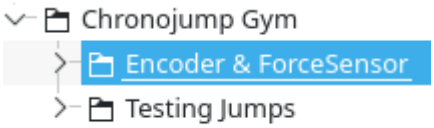


Figure 3: Cloud-capture configuration

To configure a computer as a capture station, you need to click on the preferences and select the Advanced tab and the Cloud subtab. In this window we will choose the Cloud-capture option and select the path to the folder where the data will be uploaded. This path will be the path of the Dropbox data (see previous page) with the subfolder in which we are interested in capturing on this computer.

Chronojump Cloud

This is the Dropbox path (see one page above) with the subfolder containing the captured data.



Una vez realizadas estas configuraciones, deberemos cerrar y volver a abrir la aplicación Chronojump.

In the lower left corner, the Copy to cloud button will be displayed, which will be used to upload the data to the server whenever desired.

Chronojump Cloud

4. Setting up and using Chronojump for data visualization

To configure a computer as a viewing station, you need to click on the preferences and select the Advanced tab and the Cloud subtab.

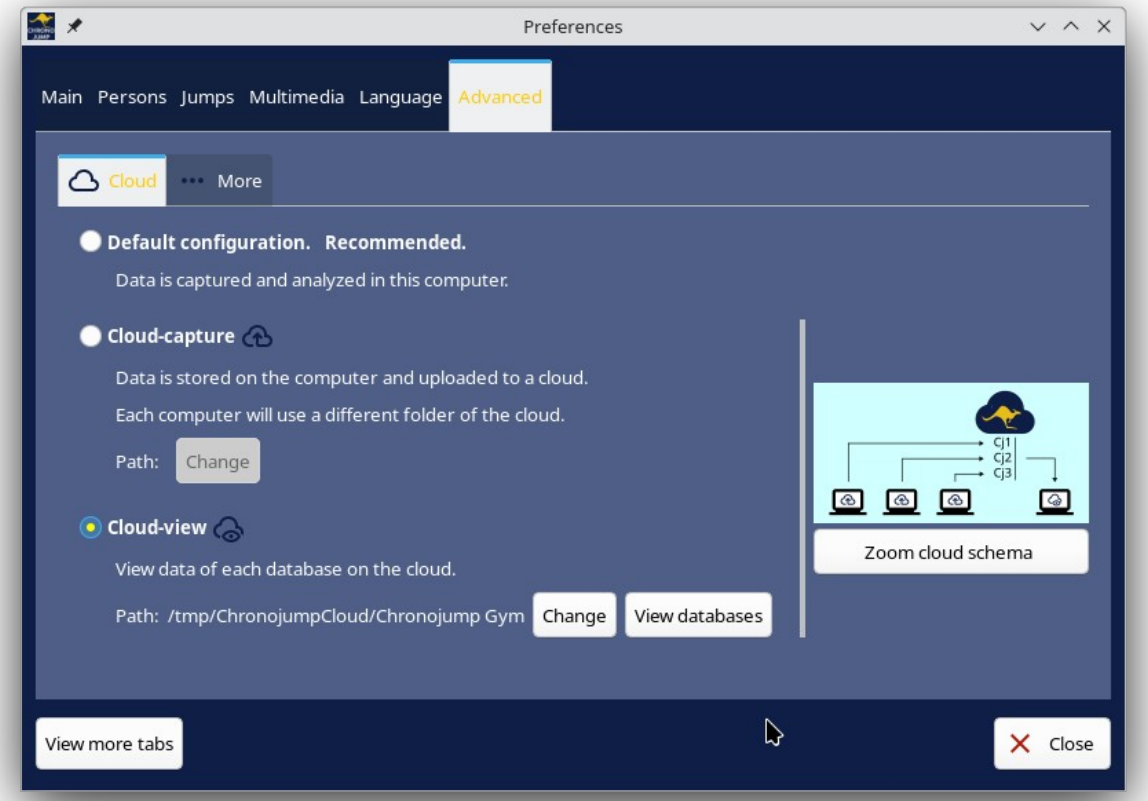
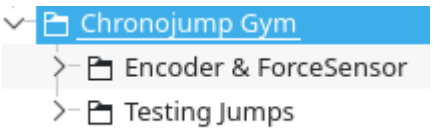


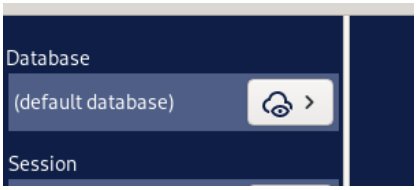
Figure 4: Configuración de Cloud-view

In this window we will choose the **Cloud-view** option and select the Dropbox data path (see previous page). When the route is entered we can click on View databases to verify that the route is correct.



Chronojump Cloud

Once these configurations have been made, we must close and reopen the Chronojump application. The database being viewed will be indicated in the upper left corner. You can change it by clicking the button.



The following window will appear with which you can:

- Reload the database (if the capture station had uploaded more data by clicking on Copy to cloud).
- Select another database.