Projects

Enabling Plug-in to Projects

1. Login to the backend of the Hub and click on the **Extensions** tab
2. Click on the **Plug-in Manager** under the **Extensions** tab
3. Search **Projects- Databases** in the search field to locate the Data Store plug-in
4. After locating the correct plug-in, check the box beside the **Plug-in Name**
5. Click the **Enabled** button to allow the plug-in to be used on the frontend of the Hub

If the Menu Item for Databases does not display, the MySQL Configuration may not be correct for DataViewer.

Restricting Plug-in to Specific Projects

1. Login to the backend of the Hub and click on the **Extensions** tab
2. Click on the **Plug-in Manager** under the **Extensions** tab
3. Search **Projects- Databases** in the search field to locate the Data Store plug-in
4. After locating the correct plug-in, click on the title of the plug-in under the **Plug-in Name** column
5. Inside the plug-in details, type in the names of the Projects in the **Restricted to projects** field
6. Save the changes by click the **Save & Close** button

Uploading Large Files Using SFTP Clients

Create a Local Password

1. If you use a non-Hub related account, then you must first create a local password
2. Login to the HUB
3. On the **Dashboard**, click **Account** on the left menu
4. Under **Local Password**, type in the password in the **New Password** and **Confirm password** text boxes
5. Click **Save**

Setup SFTP Client

1. Download an SFTP client like Cyberduck or Filezila

2. Add a new site by either clicking the **Plus sign icon (+)** or **File -> Site Manager -> New Site**
3. Provide the following information
   a. Host: hubname.org
   b. Protocol: Change to **SFTP**
   c. User: Provide the same username used to login to the Hub
4. Click **Connect**
5. When prompted for password, provide the local password that was created above
6. Once connected, open up the **Data** file and then the **Projects** file and double click on the project that you would like to upload the files to
7. Drag and drop the files into this folder and then check inside of the site and confirm that these files are uploaded to the right project

Enable Grant Collection Information

If you are working on a Hub that will be creating projects based on grants, then you can enable a new step to be added in the Project creation to collect grant information. By collecting grant information for grant funded projects, project quotas can be increase based on the project budget and this information can help support annual reviews of the Hub. To enable this feature, follow these steps:

1. Navigate to the backend of the Hub
2. Hover over **Components** and from the drop-down click **Projects**
3. Click the **Options** button in the upper right corner of the screen
4. Inside of Options, click the **Setup** tab
5. Find the *Collect grant info at Setup* and change the drop-down to **Yes**
6. Click **Save & Close**

Project File Connectors

Project File Connectors

Hubzero allows for files to be shared either on a repository owned by the Hub or connect to other file management platforms. Project File Connectors allow for these third party file management systems to enable files uploaded on the Hub yet stored in their system. Follow these instructions to set-up and provide Project File Connectors to your users:

1. Navigate to the third party file management system of your choosing, such as **Google Drive** or **Dropbox**
2. Set-up either a new project or application and fill in information about the Hub in order to obtain an **API key** and **API secret** upon saving
3. Make sure you set the callback address to your Hub and indicate the appropriate file system
    1. **Example:** When setting up a Google Drive API connector to redirect to YourHub, the following callback should be used
        - *https://yourhub.org/*developer/callback/googledriveAuthorize
4. Once the **API key** and **API secret** have been created successfully, navigate back to the **/administrator** interface and **login**
5. Hover over **Extensions** and select from the dropdown **Plug-in Manager**
6. Search or locate the appropriate plugin connected to the file system
    1. **Example:** If the file system chosen is Google Drive, one would select the **Filesystem - Google Drive** plugin
7. Click on the title of the plugin and change the status to **Enabled**
8. Insert the **API Key** in the **Client ID** and the **API Secret** in the **Client Secret**
9. Fill in an further information as necessary then click **Save & Close**
10. While still at the **Plug-in Manager**, search for and click the **Projects - Files** plugin.
11. Scroll down until you see an option for **Default Action**, and set it to **Connections (view available connections)**.
12. Navigate to a **Project** you would like to setup a new file system
    1. **Note:** You must be a manager of the Project in order for you to set-up the File System
13. Click on **Files** and then click on **New Connection** and choose the file system from the dropdown
14. Choose to bypass the secondary step of connecting to the same API.....

Setting up an External Application (Dropbox, Google Drive, AWS S3)

For using external services via OAuth2 the Hub needs a client identifier and secret for use with that service. The methods of obtaining these values vary from service to service and are subject to change at the provider's discretion. Below are the instructions for setting up a developer application on some services (adapting the instructions with some searching should yield similar results for other services or services that have changed their process in the future).

[Creating an application on Dropbox]

1. Navigate to https://www.dropbox.com/developers
2. Sign in using the Dropbox credentials that you would like your Hub (the server itself) to authenticate against, this is usually an account owned by the group or organization.
3. On the left menu, click "My Apps".
4. On the top right, click "Create App".
5. Select the access level you would like to grant your Hub to your users Dropbox accounts.
6. Give the application a name (this name will be displayed to users when they authorize access to their Dropbox account).
7. Read and agree (or disagree) to Dropbox's terms.
8. Click "Enable additional users".
9. In the redirect URIs section, add the URI of "https://<yourhub.org>/developer/callback/dropboxAuthorize".
10. At this point you should save the "App key" and show and save your "App secret", you will need to input these on cdmHUB in a later step.
11. You can now click on the branding tab and brand the application to your Hub's needs (adding icons, links to the website, etc.). These are all used when a user is asked to enter their Dropbox credentials on behalf of your Hub.

Dropbox currently limits development accounts to 500 users per id/key, this can be raised by contacting Dropbox support and applying for a production key once that limit has been reached.