

Work session with your own Data resources

Prerequisites

- You have successfully registered on Terradue Portal, and your user account was upgraded to access Cloud resources on the Platform.
- You have successfully performed the [SSH key pair generation](#) from your user account page.
- You have successfully created a Virtual Machine via the "Developer Cloud Sandbox" template, from the [Cloud Dashboard access and Sandbox deployment \(Preparatory Step 2/2\)](#) guidance.

Update your account settings for Cloud resources access

- Open a browser,
- Sign-in on Terradue Portal: <https://www.terradue.com>
- Open your profile page: <https://www.terradue.com/portal/settings/profile>

Create your personal data Store

- Visit your profile tab <https://www.terradue.com/portal/settings/storage> for your personal data store settings, click on 'Create'

Get your API key

- Visit your Profile tab <https://www.terradue.com/portal/settings/apikey>,
- Click on the button **Generate a new API key**,
- Type your Terradue's Cloud password,
- Click on the button **copy to clipboard** (eventually, click first on "Show API key"),

From a terminal, with SSH session logged on your Developer Cloud Sandbox, * Type the command:

```
export APIKEY=<paste here the API key value>
```

Discover the Data Gateway and your personal store

- Visit <https://store.terradue.com/> this home page enables your login
- Visit [https://store.terradue.com/\[USERNAME\]](https://store.terradue.com/[USERNAME])

With [USERNAME] being provided at the registration time, and accessible from your page <https://www.terradue.com/portal/settings/profile> (Cloud username).

- Check the list of previously uploaded results (initially your datasets uploads list is empty)

Prepare a dataset to upload on your Cloud storage

Download for example the Sentinel-2 tiling grid KML, describing the 100x100 km² ortho-images in

UTM/WGS84 projection for Level-1C and Level-2A granules (also called tiles):

https://sentinel.esa.int/documents/247904/1955685/S2A_OPER_GIP_TILPAR_MPC__20151209T095117_V20150622T000000_21000101T000000_B00.kml

```
curl -o s2tilegrid.kml
https://sentinel.esa.int/documents/247904/1955685/S2A_OPER_GIP_TILPAR_MPC__20151209
T095117_V20150622T000000_21000101T000000_B00.kml
```

Upload your dataset on your personal store

- Access your Developer Cloud Sandbox,
- Type:

```
curl -u $USER:$APIKEY -X PUT
"https://store.terradyne.com/$USER/co-resyf/summerschool/2017/07/s2tilegrid.kml" -T
s2tilegrid.kml
```

Discover the available indexes on the Data Agency Catalogue

- Open a browser,
- Visit <https://catalog.terradyne.com>

Discover a given catalogue index (change value of [index-name] with an actual index)

- Build a URL from this template [https://catalog.terradyne.com/\[index-name\]/search?format=json](https://catalog.terradyne.com/[index-name]/search?format=json)
- Visit that link from a new Browser tab

How to create Catalog series on my personal Index ?

You can also catalog your own uploads on Store, e.g. in order to automate their ingestion in a data processing Workflow * The general reference is <http://docs.terradyne.com/t2-api/>

Personal index creation is presented here as part of the Data API: * Catalog publication API: <http://docs.terradyne.com/t2-api/data/publication.html> * As a start, go back on your profile page: * Visit <https://www.terradyne.com/portal/settings/catalogue> for the "Catalogue" settings

In a next session, we'll provide detailed guidance with a step by step example