

Full-Stack Engineering Challenge

Project: Create a user interface that allows the users to pick different dates of the imagery. Please complete the project in react.js.

1. Fetch the different available dates from API and display to interface
2. Remove existing layers and display the user picked dates

Leaflet Example Code:

https://github.com/terravion/terravion-examples/blob/master/terravion_leaflet_example.html

UserID: 5bad4dfa-7262-4a0a-b1e5-da30793cec65

AccessToken: 2e68cee0-b2fd-4ef5-97f6-8e44afb09ffa

Product Code: NC

API Endpoint Reference:

Getting capture epochs

https://api2.terravion.com/layers/getLayersFromBlockId?blockId=48ed28ca-d272-4d1f-bfe0-cb95b61eecbc&access_token=2e68cee0-b2fd-4ef5-97f6-8e44afb09ffa

layerDateEpoch => epoch time of the capture

Layer Tiles Endpoint:

https://api2.terravion.com/users/5bad4dfa-7262-4a0a-b1e5-da30793cec65/{z}/{x}/{y}.png?epochStart=<epochStart>&epochEnd=<epochEnd>&access_token=2e68cee0-b2fd-4ef5-97f6-8e44afb09ffa&product=NC

The leaflet library will take care of z, x, y, you need to replace epochStart and epochEnd

Example:

https://api2.terravion.com/users/5bad4dfa-7262-4a0a-b1e5-da30793cec65/15/5290/20191.png?epochStart=1456200627&epochEnd=1456632627&access_token=2e68cee0-b2fd-4ef5-97f6-8e44afb09ffa&product=NC

Getting blocks/fields information [optional]:

https://api2.terravion.com/userBlocks/getUserBlocksForMap?userId=5bad4dfa-7262-4a0a-b1e5-da30793cec65&access_token=2e68cee0-b2fd-4ef5-97f6-8e44afb09ffa

geom => the geosjon of the field containing GPS coordinates

Leaflet.js Reference:

Please take some time to read the leaflet library before working on the project to understand how it is used.

<https://leafletjs.com/>

Removing Layers:

<https://leafletjs.com/reference-1.3.4.html#map-removelayer>

Adding Layers:

<https://leafletjs.com/reference-1.3.4.html#map-addlayer>