**Tribes Data Transporter(TDT)**

This document explains the Tribes Data Transporter(TDT)

* Replace the values in line 171, 172, 176, 177, 178, 179 with the respective values to customise the app as per requirements.

**Explaination of the functions created**

**main:**

* This function is the entry point of the app. It schedules the sync function to run in the interval of every 24 hours. It also stores the required credentials in the environment variable
* Replace the line 183 with the latest timestamp of the files already read from the gcp if you are running this app for the partial sync

**Sync:**

* This function reads new files from the gcp storage and calls the desired function after finding the kind of json entry. This function also maintains the value of the timestamp of the latest file.

**listToString:**

* It takes the label as the input and converts it into string so that it can be concatenated with the query being built.
* As we cannot add multiple label for a node directly from python, we are adding it as propery in the following way
  + property(value of Label,'Label')
* With the above way we can add multiple labels.

**propertyToString:**

* It takes properties as input and convert it to string

**submitQuery:**

* It takes client and query as input and submit the query on azure's cosmos db gremlin API

**addRelation:**

* It checks whether it is required to add relation between the two nodes or not. Further it checks whether nodes are presnt or not.
* This function adds a relation between two nodes based on the above two conditions.
* This function purposely checks the relation between the nodes before the existence of nodes. Because if a relation between the two nodes is already present then it is for sure that nodes are also present.
* If a relationship of a given type is not present between the two nodes, then this function checks for the existance of individual nodes.And create nodes if required.
* It then adds the relation of the given type between the two nodes.

**addNode:**

* It create the node in the graph as required