API CONSUMER

SUMMARY

There is a cluster consisting of several nodes. When you create a group, you need to create a record of it on all nodes via API. When you delete an object, you also need to delete it from all nodes. The problem is that API is unstable. You can expect connection timeout or 500 errors for unknown reasons. If you got an error, then all changes should be rolled back.

It is necessary to create a connector class that will create and delete objects in the cluster as reliably as possible.

CLUSTER CONFIGURATION

```
HOSTS = [
    'node01.app.internal.com',
    'node02.app.internal.com',
    'node03.app.internal.com',
]
```

API

Create

URL: /v1/group/

Method: POST

Request (application/json):

```
{
    'groupId': str,
}
```

Response: 201 CREATED

Error codes:

```
400 - an error. Perhaps the object exists.
```

Delete

URL: /v1/group/

Method: DELETE

Request (application/json):

```
{
    'groupId': str
}
```

Response: 200 OK

Get

URL: /v1/group/{groupId}/

Method: GET

Response (application/json):

```
{
    'groupId': str
}
```

Response: 200 OK

Error codes:

```
404 - not found
```

WHAT DO WE EXPECT

- Interpret, make assumptions, write it down
- Create a Git repo on Github
- Implement a connector class implementation
- Implement a job that uses connector class to create many objects at the same time
- Test the implementations
- Create a Docker image that executes this job (just add a Dockerfile to your repo)
- Write a simple documentation of how to use your code
- Don't be afraid to add anything you find important