

Rutgers Course API - Proof of Concept

The first step of my work on this project is to complete a very rough proof of concept for the API. This will allow me to get a basic understanding of the technologies I'll be using and get some exposure to some of the intricacies that I may face.

Goal : Recreate current SOC API, with a server-less architecture.

Step 1 - Create Backend DB

Step 2 - Load SOC API JSON's into DB

Step 3 - Write Lambda Logic to query Backend DB

Step 4 - Create API Gateway routes.

Step 5 - Link Lambda Logic to API Gateway in Dev

Step 6 - Correctly Configure API to avoid COORS issue.

Step 7 - Deploy PoC to production.

Dependencies

- Python 3
- Boto3 (AWS SDK for Python)
- PyMongo

MongoDB

PoC Documents:

```
{
  "subject" : 198,
  "semester" : 12018,
  "campus" : "NB",
  "level" : "UG"
}
```