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Cloud Developer Nano Degree
Project 2: Udagram Image Filter Microservice

Udagram Image Filtering Microservice

1. Setup Node Environment - **Done**

   You'll need to create a new node server. Open a new terminal within the project directory and run:

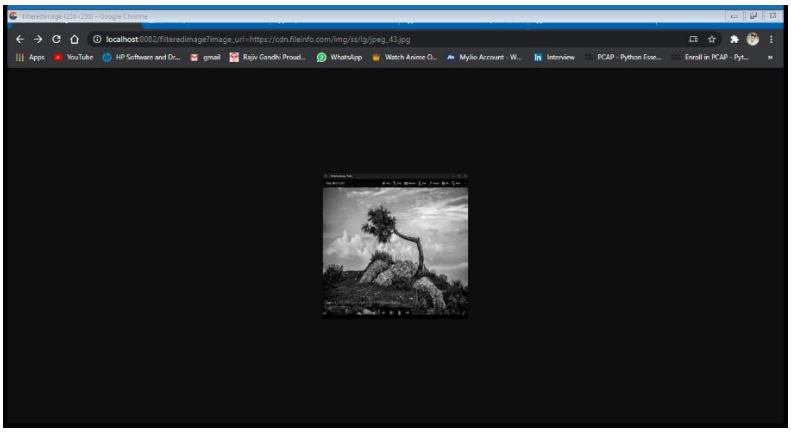
   - Initialize a new project: `npm i`
   - run the development server with `npm run dev`

2. Create a new endpoint in the server.ts file - **Done**

   The starter code has a task for you to complete an endpoint in `./src/server.ts` which uses query parameter to download an image from a public URL, filter the image, and return the result.
   We've included a few helper functions to handle some of these concepts and we're importing it for you at the top of the `./src/server.ts` file.

```
import {filterImageFromURL, deleteLocalFiles} from
'./util/util';
```

Output
http://localhost:8082/filteredimage?image_url=https://cdn.fileinfo.com/img/ss/lg/jpeg_43.jpg



3. Creating Archive.zip – **Done**

   - run the command with `npm run build`

   Note. If build command fails try running it from git bash.

4. Deploying your system - **Done**

   Follow the process described in the course to `eb init` a new application and `eb create` a new environment to deploy your image-filter service.
   Don't forget you can use `eb deploy` to push changes.

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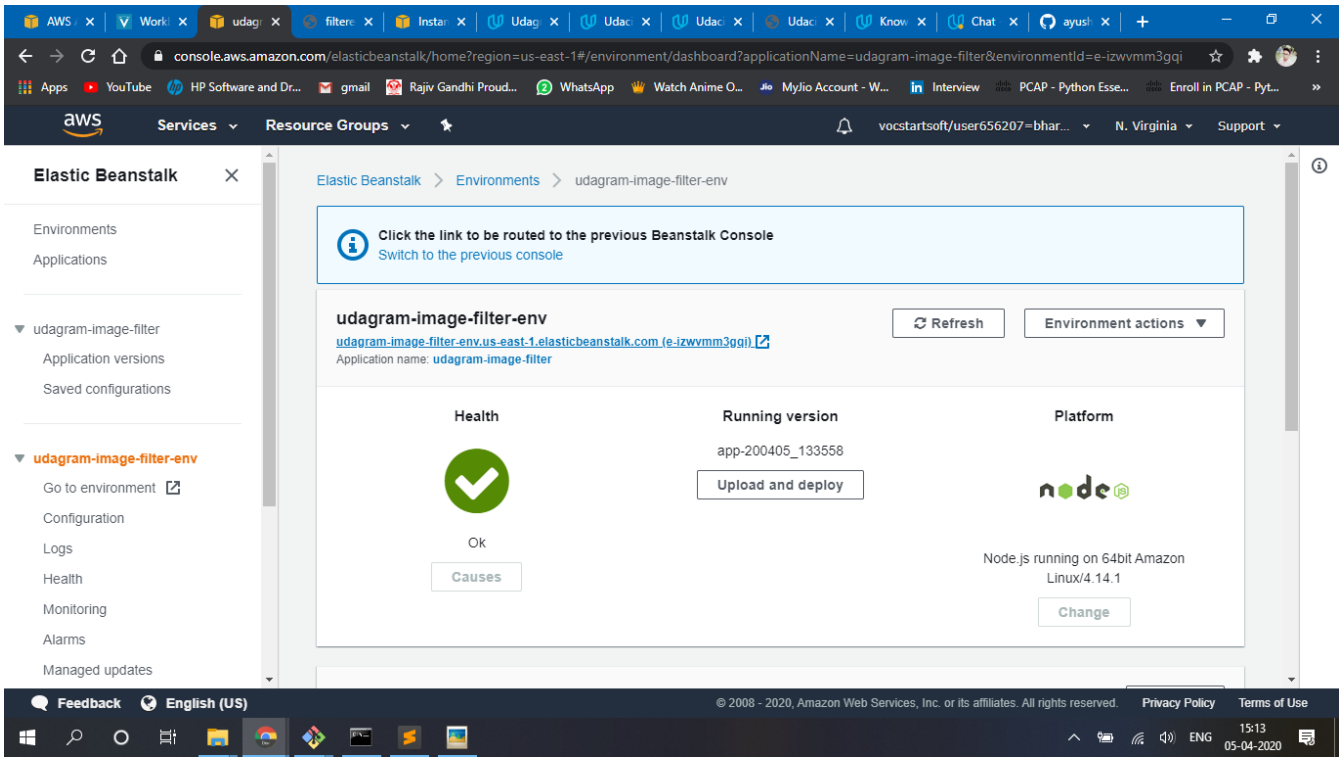
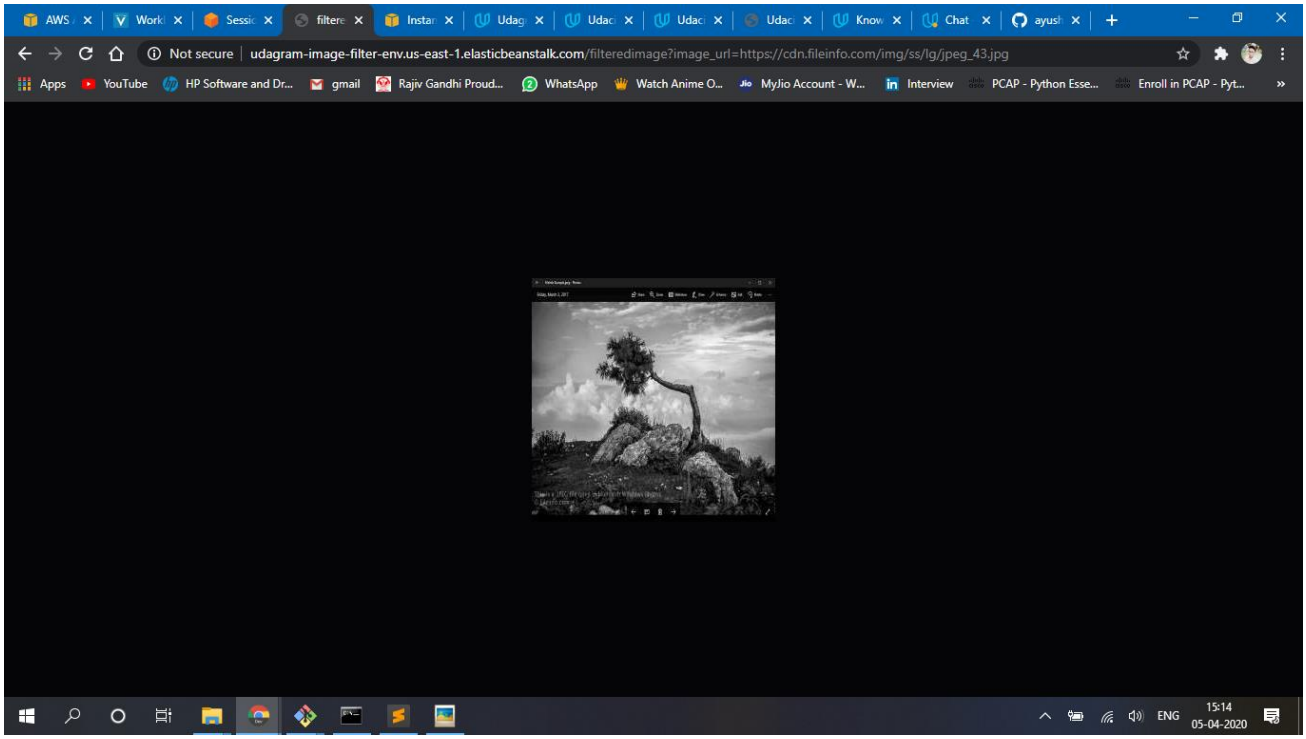
Test Elastic Beanstalk Deployment:

Use the following URL:http://udagram-image-filter-env.us-east-1.elasticbeanstalk.com/filteredimage?image_url=https://cdn.fileinfo.com/img/ss/lg/jpeg_43.jpg





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Output – POSTMAN GET Request to application endpoint