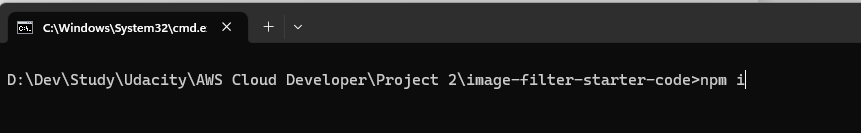
**Run code at localhost**

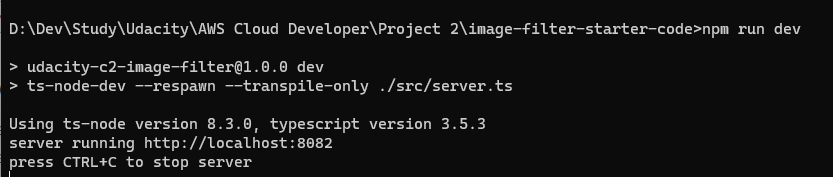
I downloaded starter code

[image-filter-starter-code](https://github.com/udacity/cloud-developer/tree/master/course-02/project/image-filter-starter-code)

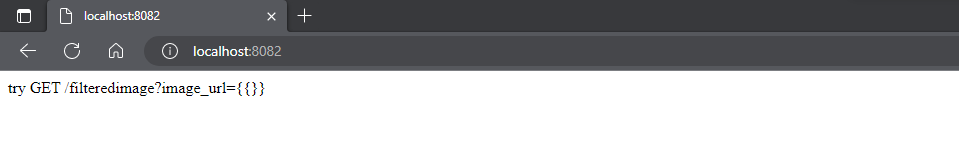
I installed packages



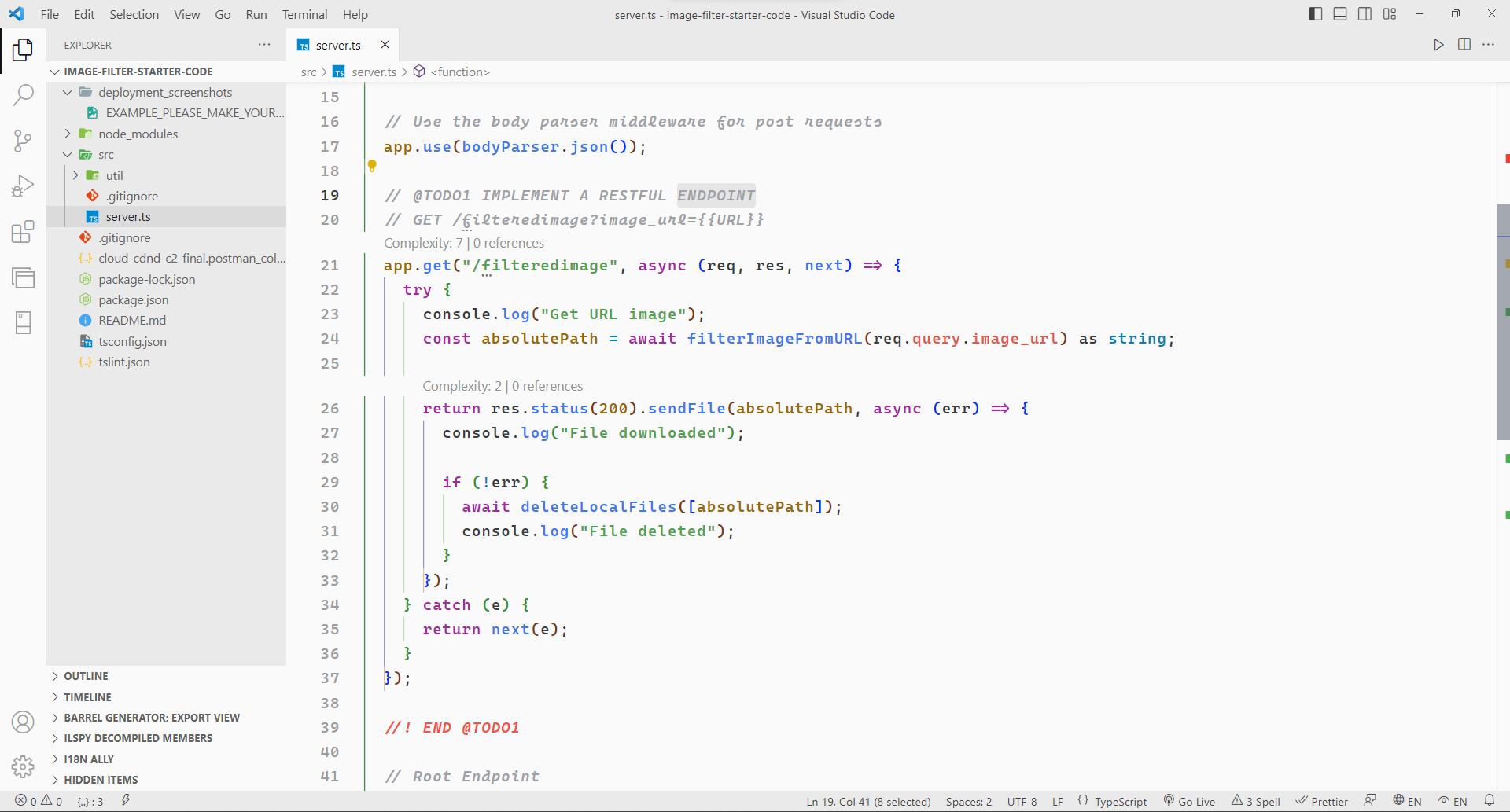
Run the development



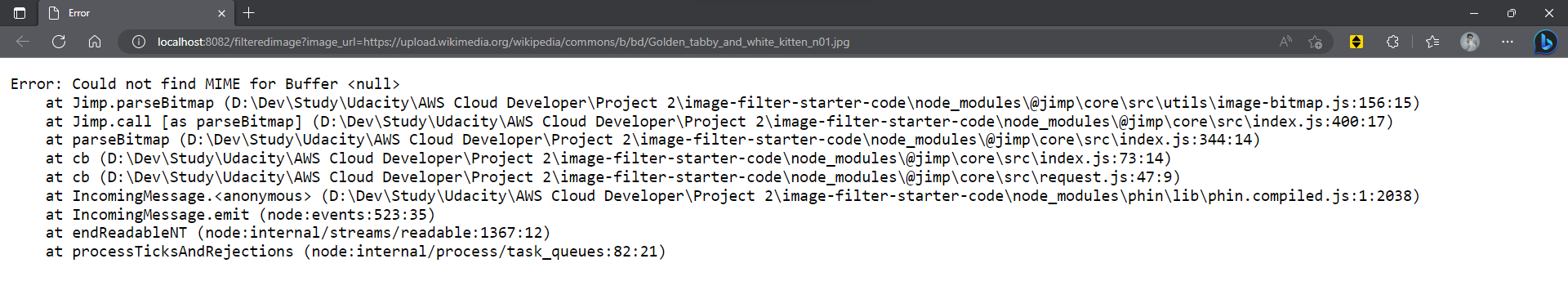
The server was running



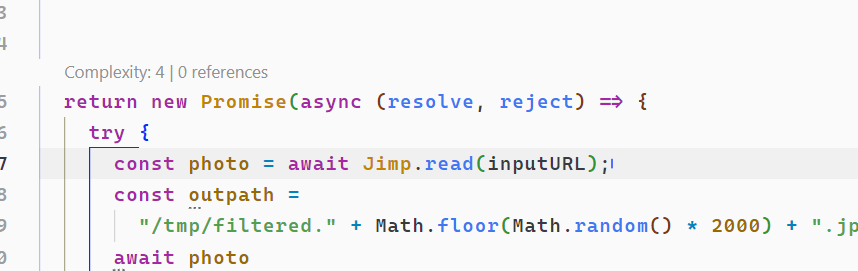
I edited file server.ts to complete an endpoint which uses query parameter to download an image from a public URL, filter the image, and return the result.



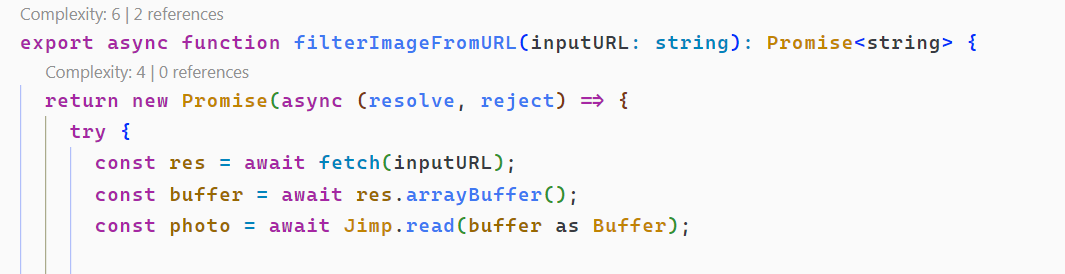
I had this error when testing with image “https://upload.wikimedia.org/wikipedia/commons/b/bd/Golden\_tabby\_and\_white\_kitten\_n01.jpg”



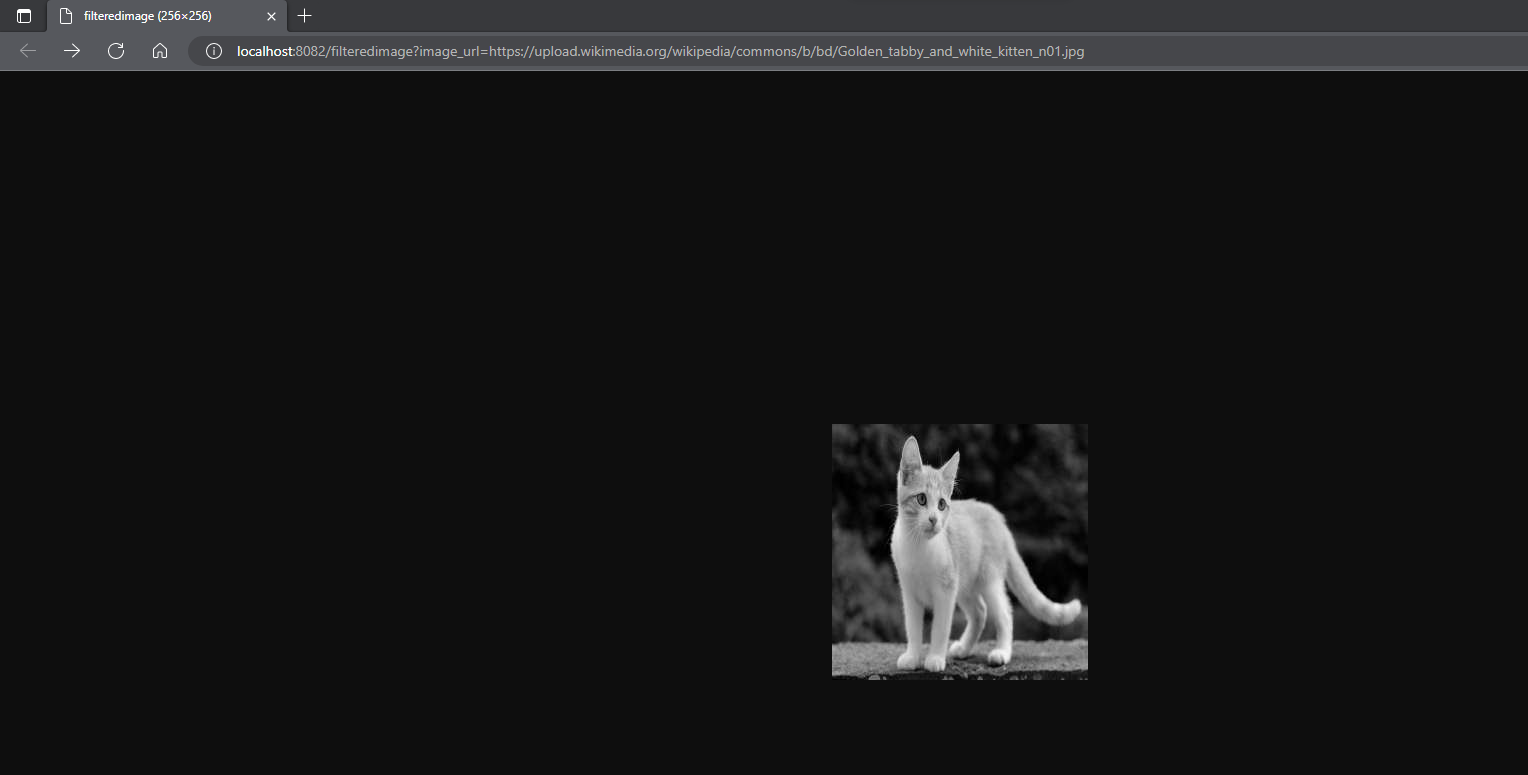
I dected this issue, I found reason comes from Jimp library if downloading image with redirect url.



So, I try to edit some logic here. I use node-fetch to read buffer from url, then read that read by Jimp.



And now, I can download image

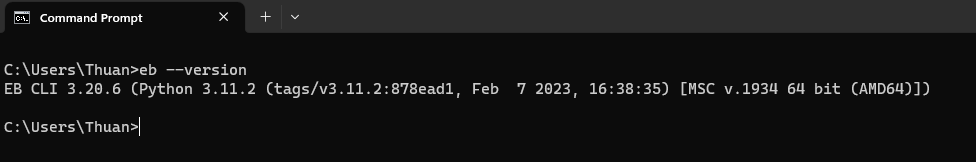


**Deploy web**

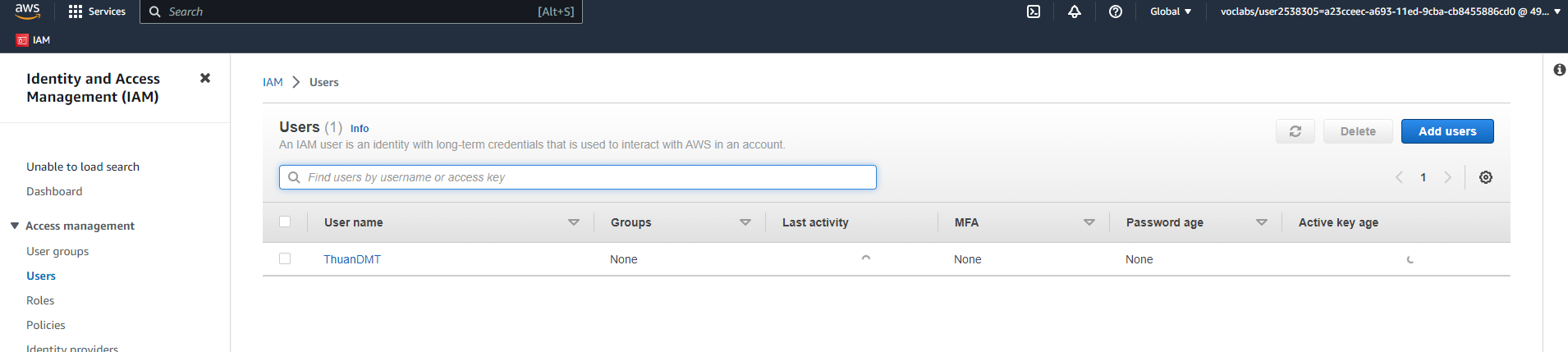
Install EB cli through

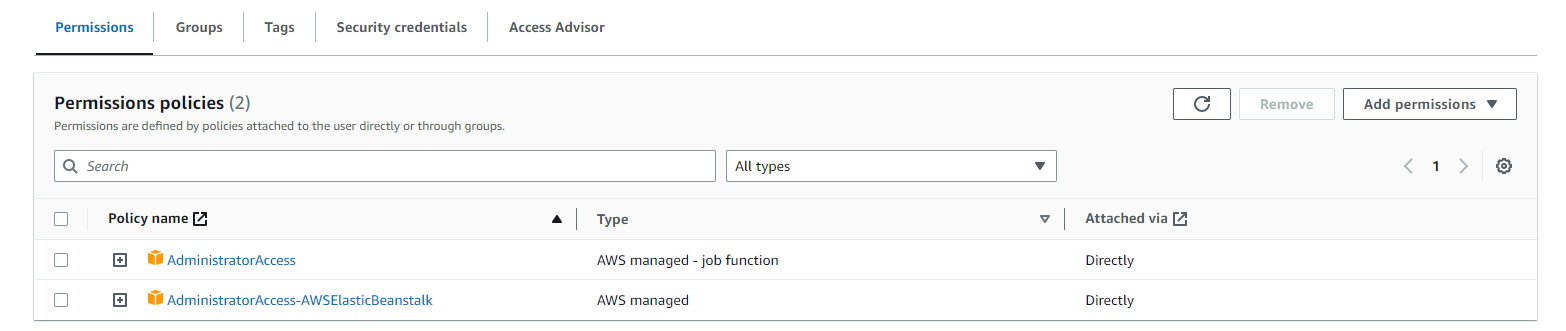
[Manually install the EB CLI - AWS Elastic Beanstalk (amazon.com)](https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/eb-cli3-install-advanced.html)

Check version EB

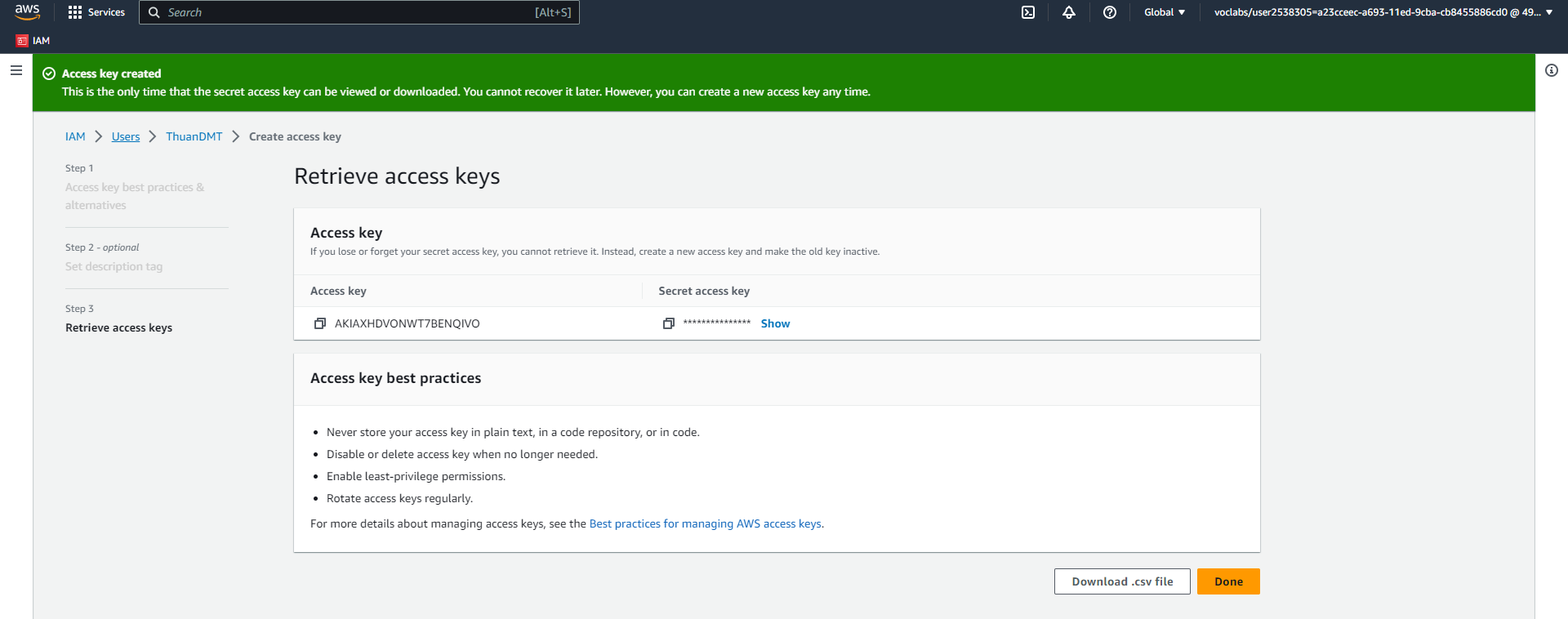


Create User in IAM

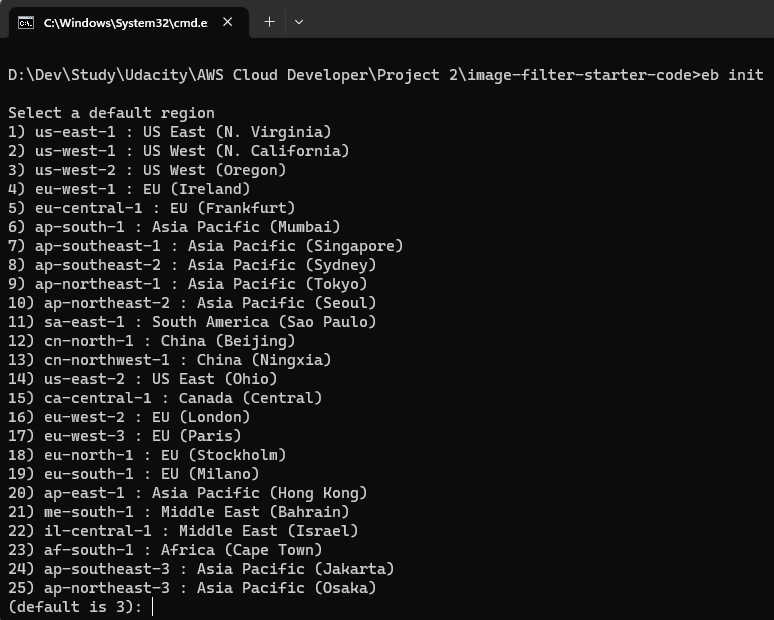




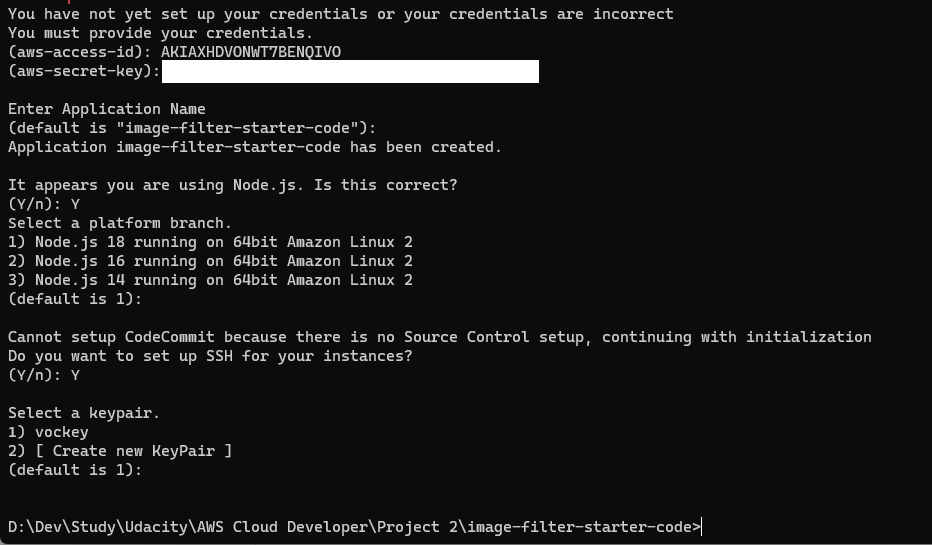
Create access key



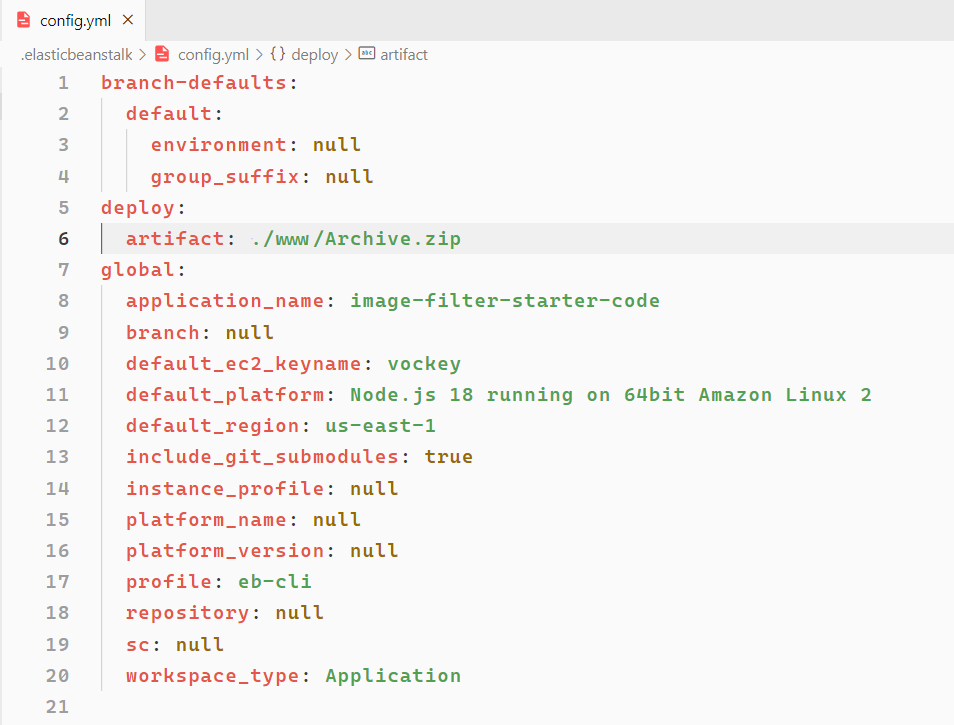
Init EB



Select region [us-east-1](https://us-east-1.console.aws.amazon.com/console/home?region=us-east-1" \t "https://us-east-1.console.aws.amazon.com/console/_top) and init application



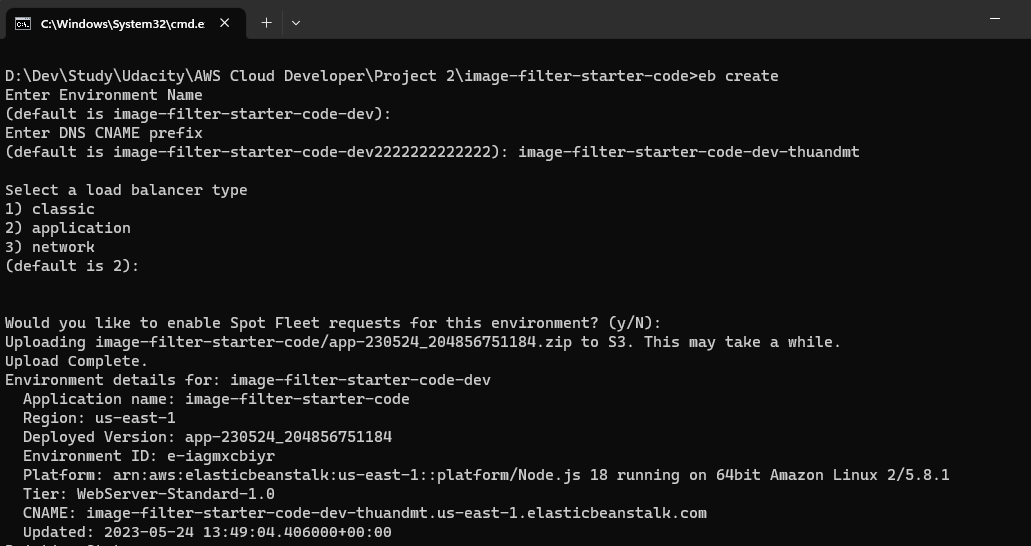
Edit config.yml

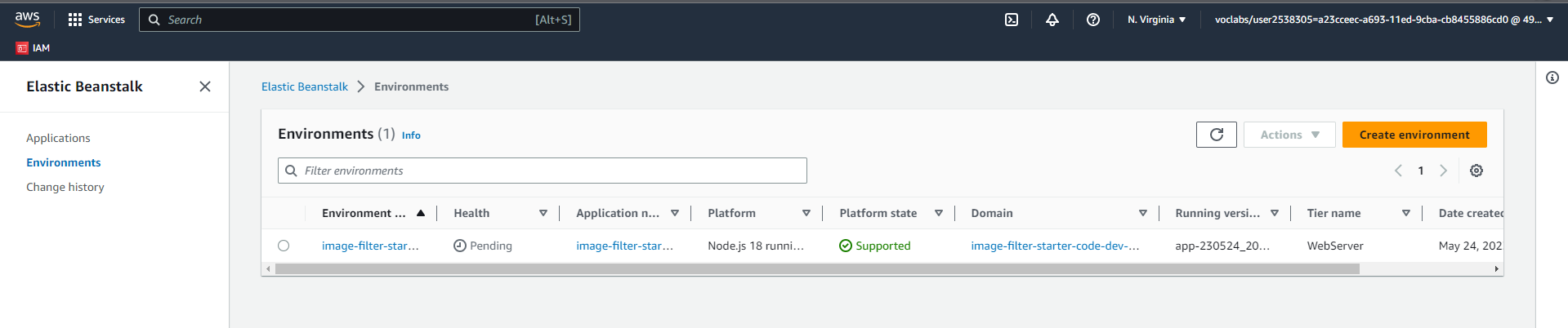


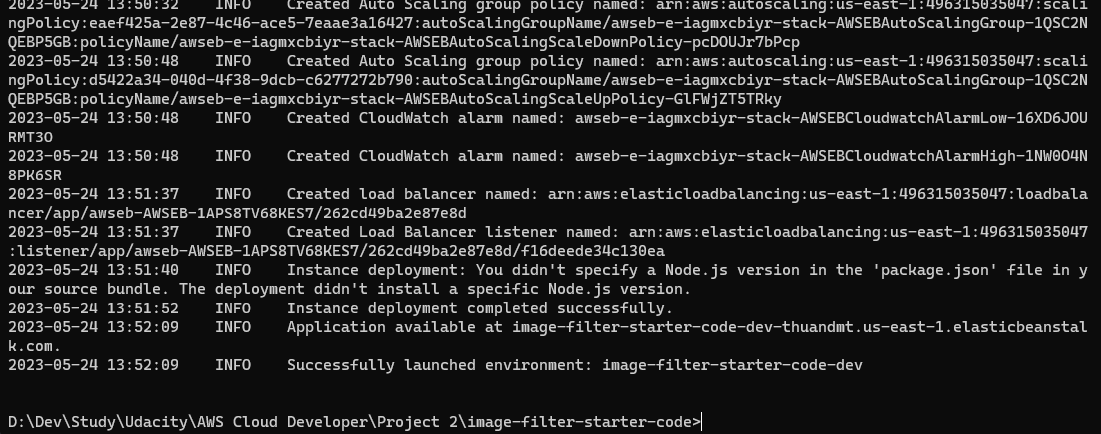
Because I’m using Windows OS, so I use tar to zip code. I edit build script



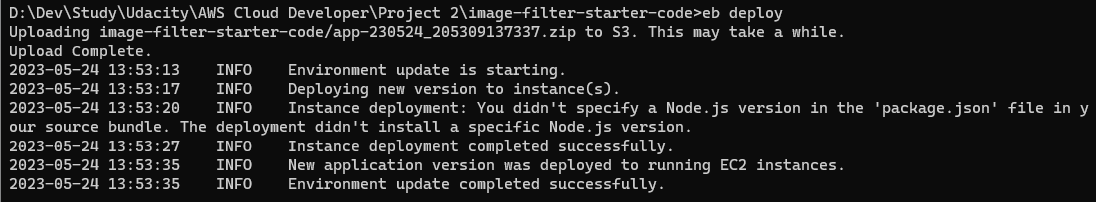
Create EB

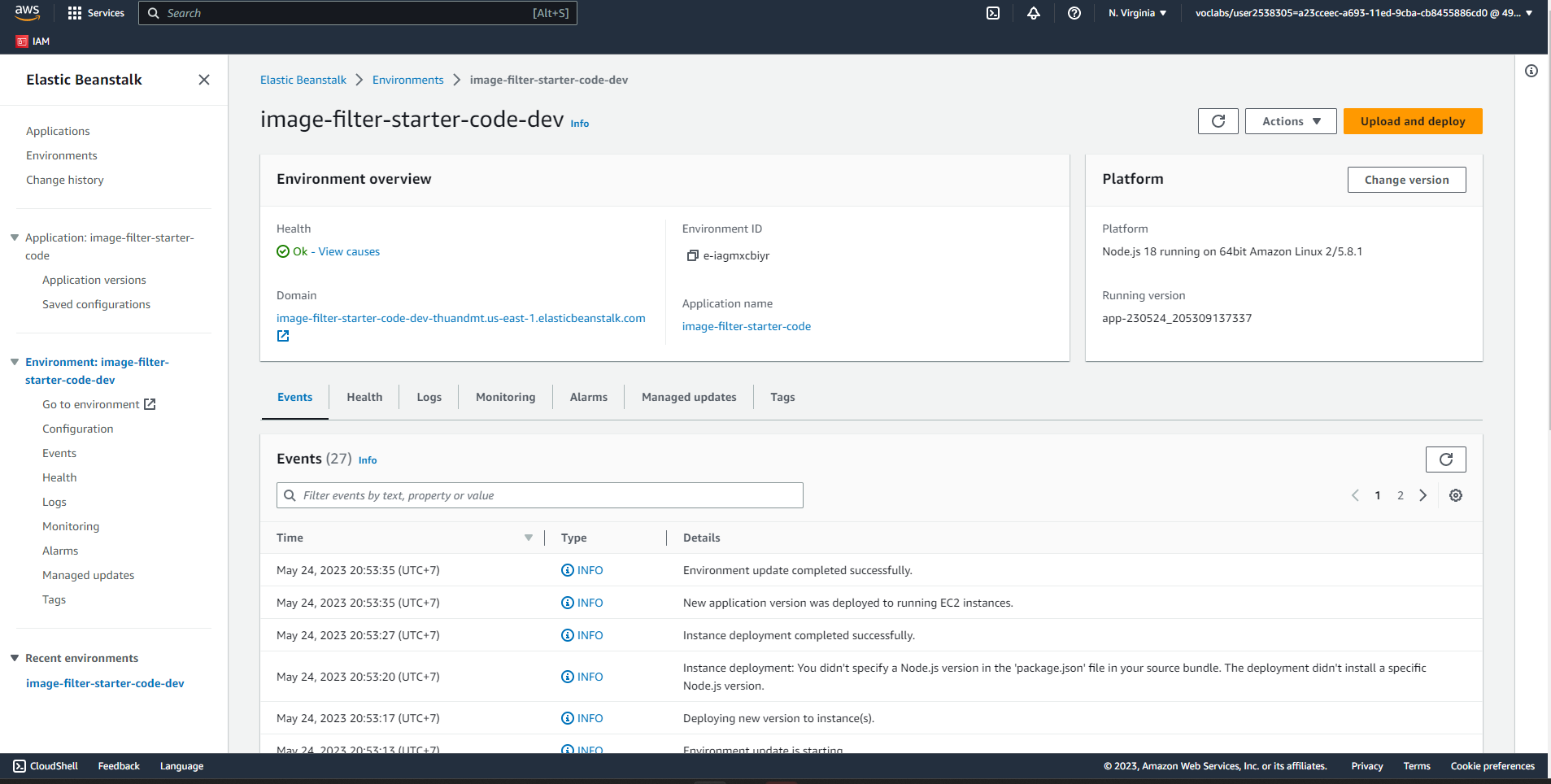






Deploy EB





Deploy done

Domain: [image-filter-starter-code-dev-thuandmt.us-east-1.elasticbeanstalk.com](http://image-filter-starter-code-dev-thuandmt.us-east-1.elasticbeanstalk.com/)

Test: [filteredimage (256×256) (image-filter-starter-code-dev-thuandmt.us-east-1.elasticbeanstalk.com)](http://image-filter-starter-code-dev-thuandmt.us-east-1.elasticbeanstalk.com/filteredimage?image_url=https://upload.wikimedia.org/wikipedia/commons/b/bd/Golden_tabby_and_white_kitten_n01.jpg)

