**Backend Deployment Instructions**

In this page, I will list all necessary steps to deploy CooStay Backend API in AWS instance.

I assuming you already have basic knowledge about AWS, like EC2, VPC, S3, etc

1, Create instance in EC2 ( instance size depends on how many customers we will handle )

Then you need to install docker , docker-compose , git

2, go to /home/<user> dir get the latest API repo from github ( if you dont have the URL access, please as Chirs )

Git clone <https://github.com/christopheryangcoostaydev/coostay-api.git>

Then you will see “coostay-api” directory there . then go to this dir, you will see below files and dirs

ubuntu@ip-172-31-3-166:~/gitrepo$ cd coostay-api/

ubuntu@ip-172-31-3-166:~/gitrepo/coostay-api$ ls -l

total 40

drwxrwxr-x 6 ubuntu ubuntu 4096 Sep 30 17:35 app

-rw-rw-r-- 1 ubuntu ubuntu 8088 Sep 30 17:35 CHANGELOG.md

drwxrwxr-x 6 ubuntu ubuntu 4096 Sep 30 17:35 doc

drwxrwxr-x 3 ubuntu ubuntu 4096 Sep 30 17:35 docker

-rw-rw-r-- 1 ubuntu ubuntu 1378 Sep 30 17:35 docker-compose.yml

drwxrwxr-x 2 ubuntu ubuntu 4096 Sep 30 17:35 logs

-rw-rw-r-- 1 ubuntu ubuntu 2543 Sep 30 17:35 package.json

-rw-rw-r-- 1 ubuntu ubuntu 1479 Sep 30 17:35 README.md

drwxrwxr-x 5 ubuntu ubuntu 4096 Sep 30 17:35 test

3, modify docker-compose.yml file to match the requirements

3.1 remove debug part ( line 56 ~ 69)

3.2 modify the AWS access key and secert to match your AWS IAM setting (Line 33 and 34 )

4. Modify app/constants.js file to match the requirements

4.1 update the avatar API URL (line 32 ~ 35) , if you dont have the png file , please ask Chris

4.2 update the resources (Line 98 ~ 102 ) , this is the share page URL , our current share page is share.coostay.com . ( PS: this website is control by repo coostay-www, which we will explain below section )

4.3 update AWS setting ( line 206 ~ 212 )

207 region : AWS\_REGION || 'us-east-1', // US Standard

### this part you can find from below link

<http://docs.aws.amazon.com/general/latest/gr/rande.html>

208 bucket : 'lodestreams-works-coostay-app',

### this is the bucket name which you will use to save data , such as photos etc

209 expires : 60,

210 acl : 'public-read',

211 accessKeyId : AWS\_ACCESS\_KEY\_ID || 'AKIAJMSXXJYNFMD6TRTA',

212 secretAccessKey: AWS\_SECRET\_ACCESS\_KEY || '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'

### above are the keys which should be same as section 3.2

5 Start backend service

Sudo docker-compose up

And you can use below command to check status

ubuntu@ip-172-31-3-166:~/coostay-api$ sudo docker-compose ps

Name Command State Ports

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coostayapi\_app\_1 npm run prod Up 0.0.0.0:32814->3000/tcp

coostayapi\_db\_1 /run.sh Up 0.0.0.0:3001->27017/tcp, 0.0.0.0:3002->28017/tcp

coostayapi\_dbdata\_1 /true Exit 0

coostayapi\_nginx\_1 nginx -g daemon off; Up 443/tcp, 0.0.0.0:3000->80/tcp

coostayapi\_redis\_1 /run.sh Up 0.0.0.0:3003->6379/tcp

You can use below command to check log

Sudo docker-compose logs -f