

# AWS CODEPIPELINE SETUP

Deploy - optional

Deploy provider

Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.

Amazon ECS

Region

US East (N. Virginia)

Cluster name

Choose a cluster that you have already created in the Amazon ECS console. Or create a cluster in the Amazon ECS console and then return to this task.

MythicalMysfits-Cluster

Service name

Choose a service that you have already created in the Amazon ECS console for your cluster. Or create a new service in the Amazon ECS console and then return to this task.

MythicalMysfits-Service

Image definitions file - optional

Enter the JSON file that describes your service's container name and the image and tag.

imagedefinitions.json

Deployment timeout - optional

Enter the timeout in minutes for the deployment action.

ecr-policy.json

~/Epam\_Final\_Project/iac/IaC-Mythical-Misfits/ecr-policy.json

iac > IaC-Mythical-Misfits > { } ecr-policy.json > [ ] Statement > { } 0 > [ ] Action

```
1  {
2    "Statement": [
3      {
4        "Sid": "AllowPushPull",
5        "Effect": "Allow",
6        "Principal": {
7          "AWS": [
8            "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodeBuildServiceRole"
9          ]
10       },
11       "Action": [
12         "ecr:GetDownloadUrlForLayer",
13         "ecr:BatchGetImage",
14         "ecr:BatchCheckLayerAvailability",
15         "ecr:PutImage",
16         "ecr:InitiateLayerUpload",
17         "ecr:UploadLayerPart",
18         "ecr:CompleteLayerUpload"
19       ]
20     }
21   ]
22 }
```

TERMINAL

PROBLEMS

OUTPUT

DEBUG CONSOLE

1: bash

MacBook-Air-nikita:IaC-Mythical-Misfits nkdchck\$ aws ecr set-repository-policy --repository-name mythicalmysfits/service --policy-text file:///./ecr-policy.json

policyText: "{\n \"Version\" : \"2008-10-17\",\n \"Statement\" : [ {\n \"Sid\" : \"AllowPushPull\",\n \"Effect\" : \"Allow\",\n \"Principal\" : {\n \"AWS\" : \"arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodeBuildServiceRole\"\n },\n \"Action\" : [ \"ecr:GetDownloadUrlForLayer\", \"ecr:BatchGetImage\", \"ecr:BatchCheckLayerAvailability\", \"ecr:PutImage\", \"ecr:InitiateLayerUpload\", \"ecr:UploadLayerPart\", \"ecr:CompleteLayerUpload\" ]\n } ]\n}"

registryId: '959910143348'

repositoryName: mythicalmysfits/service

MacBook-Air-nikita:IaC-Mythical-Misfits nkdchck\$

## BACKEND CI/CD PIPELINE DEMO

