1. Set up new Repository in ECR

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1. Next, create a new build project in AWS CodeBuild

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1. Select the correct source repository and branch

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1. Under Environment, select Managed Image, Linux 2 operating system, Standard runtime, the highest image standard available, the latest image version available, and Linux as Environment Type.

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1. Also under Environment, check off Privileged, select New Service Role, and use the default role name

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1. Expand Additional Configuration to add the following environment variables, appropriate to you

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1. In the Buildspec section, specify the file name. This is optional if the file name is buildspec.yml and is in the root directory of the repository

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1. It is good practice to collect logs for future troubleshooting. Select the desired Group Name and Stream Name for CloudWatch Logs

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1. Click Create Build Project to finalize the creation of the build project

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1. In IAM, add and in-line policy, named Codebuild-ECR to the codebuild-catpipeline-build-service-role role. It will have the following JSON code

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1. Using Visual Studio Code, create a new buildspec.yml file in the local code commit repository and write the following piece of code

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1. Update the shared repository in CodeCommit with the new changes using the following CLI commads: <git add .>, <git commit>, and <git push>

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1. Start the build for the catpipeline-build build project in CodeBuild

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1. If successful, the image would have been created in ECR you would be able to run the docker image on an EC2 instance

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A collage of a cat

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