References

<https://enlear.academy/aws-cdk-a-beginners-guide-with-examples-424c600ac409>

<https://blog.dennisokeeffe.com/blog/2021-08-08-building-a-cdn-with-s3-cloudfront-and-the-aws-cdk#prerequisites>

1. Use Level 3 construct for fargate stack
2. Use level 1 construct for cloudfront stack

Diagram

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<https://bahr.dev/2020/09/01/multiple-frontends/>

1. Forbidden error in cloudfront because s3 bucket does not allow it to access its content.I corrected this by editing the bucket policy(change to YES) in cloudfront.
2. Create a route 53 record for cloudfront distribution manually and attach cloudfront distribution to it.

Challenges and solutions

1. Internal error which causes the stack to rollback when creating pipeline stack

A picture containing text

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Use [https://dev.to/mmoanis/how-to-connect-github-to-aws-codepipelines-2l0h for the pipeline-stack.ts](https://dev.to/mmoanis/how-to-connect-github-to-aws-codepipelines-2l0h%20for%20the%20pipeline-stack.ts)

The problem will happen if you do not provision your github token from secret manager in a right manner

Text

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Troubleshooting cicd pipeline

Even though the pipeline deployed successfully, there is problem with the code build section as shown below

Text

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Graphical user interface, text, application

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