**AWS CDK ERROR: There is already a Construct with name 'XYZ'**

When I was running AWS CDK, I got this error and couldn’t really find the answer when I googled it. This error might happen for different reasons, but I worked out what was wrong with my CDK code after a few hours of googling and trying out different things. I’m hoping this post will save you hours going crazy on this mystery error message.

**Error**

Error is thrown in construct.ts as below.

<pre>

throw new Error(`There is already a Construct with name '${childName}' in ${typeName}${name.length > 0 ? ' [' + name + ']' : ''}`);

Error: There is already a Construct with name 'XYZ' in XYZStack

</pre>

Solution

In stack, each construct requires to have a unique id. In my original code, I was just passing the id two both construct, which was causing this error.

<pre>

constructor(scope: cdk.Construct, id: string, props?: cdk.StackProps) {

    super(scope, id, props);

    // The code that defines your stack goes here

    new S3Bucket(this, id);

    new ConnectDataKinesisStream(this, id);

  }

</pre>

The solution to make this id unique. I added the resource suffix. But, this can be whatever as long as each construct has different id.

<pre>

constructor(scope: cdk.Construct, id: string, props?: cdk.StackProps) {

    super(scope, id, props);

    // The code that defines your stack goes here

    new S3Bucket(this, id + '-s3');

    new ConnectDataKinesisStream(this, id + '-kinesis');

  }

</pre>

This is it. Error’s gone. Happy building!