Assignment 2.16 (Creation of S3 Bucket and associated Screenshots using AWS CDK up to Run cdk destroy)

Graphical user interface, text, email, website

Description automatically generated

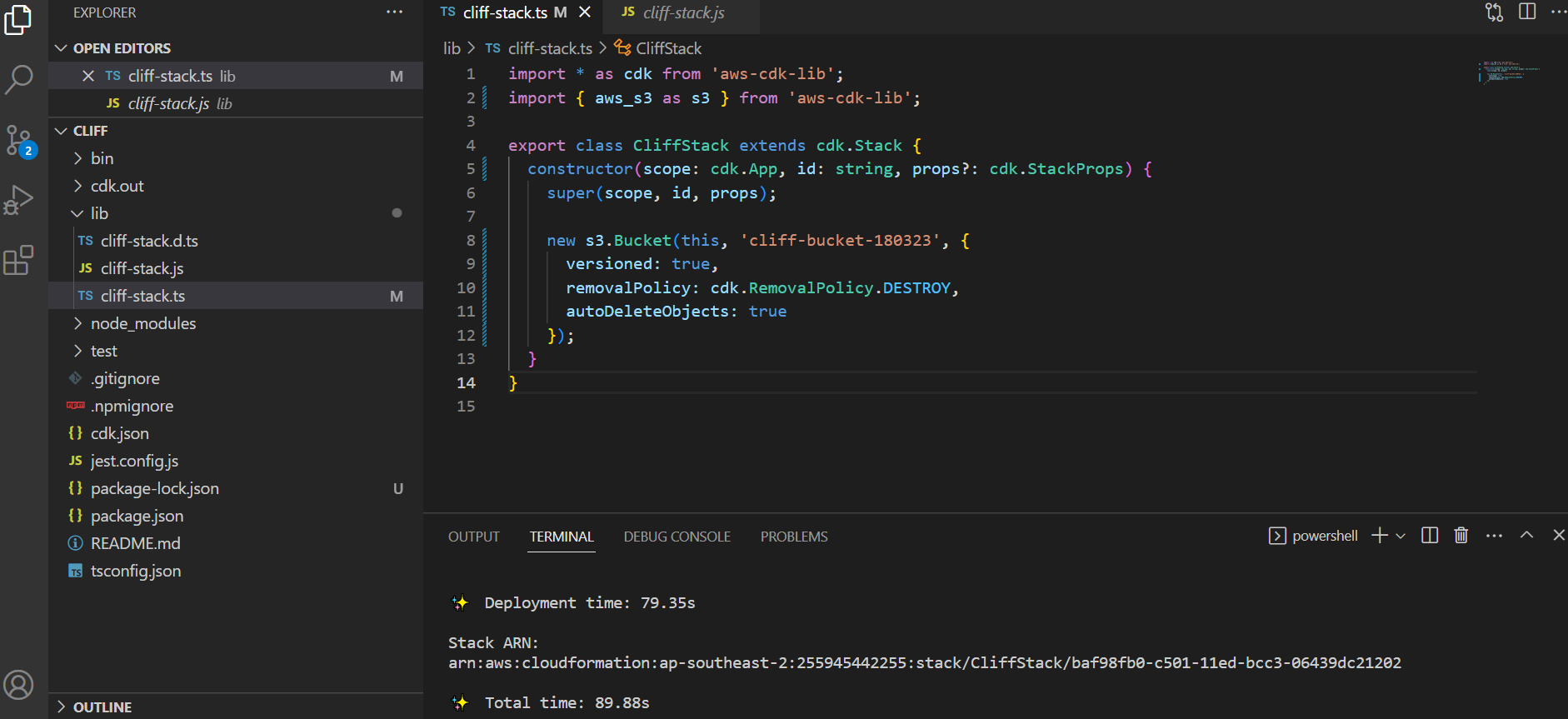
Graphical user interface, text, application

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Updated Policies



cdk diff

Stack CliffStack

IAM Statement Changes

┌───┬──────────────────────────────┬────────┬──────────────────────────────┬───────────────────────────────┬───────────┐

│ │ Resource │ Effect │ Action │ Principal │ Condition │

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│ + │ ${Custom::S3AutoDeleteObject │ Allow │ sts:AssumeRole │ Service:lambda.amazonaws.com │ │

│ │ sCustomResourceProvider/Role │ │ │ │ │

│ │ .Arn} │ │ │ │ │

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│ + │ ${cliff-bucket-180323.Arn} │ Allow │ s3:DeleteObject\* │ AWS:${Custom::S3AutoDeleteObj │ │

│ │ ${cliff-bucket-180323.Arn}/\* │ │ s3:GetBucket\* │ ectsCustomResourceProvider/Ro │ │

│ │ │ │ s3:List\* │ le.Arn} │ │

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IAM Policy Changes

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│ │ Resource │ Managed Policy ARN │

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│ + │ ${Custom::S3AutoDeleteObjectsCustomResourceProvider/Ro │ {"Fn::Sub":"arn:${AWS::Partition}:iam::aws:policy/servi │

│ │ le} │ ce-role/AWSLambdaBasicExecutionRole"} │

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(NOTE: There may be security-related changes not in this list. See https://github.com/aws/aws-cdk/issues/1299)

Resources

[+] AWS::S3::BucketPolicy cliff-bucket-180323/Policy cliffbucket180323Policy78FEE5B4

[+] Custom::S3AutoDeleteObjects cliff-bucket-180323/AutoDeleteObjectsCustomResource cliffbucket180323AutoDeleteObjectsCustomResource3DEFBD83

[+] AWS::IAM::Role Custom::S3AutoDeleteObjectsCustomResourceProvider/Role CustomS3AutoDeleteObjectsCustomResourceProviderRole3B1BD092

[+] AWS::Lambda::Function Custom::S3AutoDeleteObjectsCustomResourceProvider/Handler CustomS3AutoDeleteObjectsCustomResourceProviderHandler9D90184F

[~] AWS::S3::Bucket cliff-bucket-180323 cliffbucket18032363BA7F1A

├─ [+] Tags

│ └─ [{"Key":"aws-cdk:auto-delete-objects","Value":"true"}]

├─ [~] DeletionPolicy

│ ├─ [-] Retain

│ └─ [+] Delete

└─ [~] UpdateReplacePolicy

├─ [-] Retain

└─ [+] Delete

cdk deploy

CliffStack: creating CloudFormation changeset...

CliffStack | 0/8 | 5:09:48 AM | UPDATE\_IN\_PROGRESS | AWS::CloudFormation::Stack | CliffStack User Initiated

CliffStack | 0/8 | 5:09:51 AM | CREATE\_IN\_PROGRESS | AWS::IAM::Role | Custom::S3AutoDeleteObjectsCustomResourceProvider/Role (CustomS3AutoDeleteObjectsCustomResourceProviderRole3B1BD092)

CliffStack | 0/8 | 5:09:51 AM | UPDATE\_IN\_PROGRESS | AWS::S3::Bucket | cliff-bucket-180323 (cliffbucket18032363BA7F1A)

CliffStack | 0/8 | 5:09:52 AM | UPDATE\_IN\_PROGRESS | AWS::CDK::Metadata | CDKMetadata/Default (CDKMetadata)

CliffStack | 0/8 | 5:09:52 AM | CREATE\_IN\_PROGRESS | AWS::IAM::Role | Custom::S3AutoDeleteObjectsCustomResourceProvider/Role (CustomS3AutoDeleteObjectsCustomResourceProviderRole3B1BD092) Resource creation Initiated

CliffStack | 1/8 | 5:09:53 AM | UPDATE\_COMPLETE | AWS::CDK::Metadata | CDKMetadata/Default (CDKMetadata)

CliffStack | 2/8 | 5:10:12 AM | UPDATE\_COMPLETE | AWS::S3::Bucket | cliff-bucket-180323 (cliffbucket18032363BA7F1A)

CliffStack | 3/8 | 5:10:34 AM | CREATE\_COMPLETE | AWS::IAM::Role | Custom::S3AutoDeleteObjectsCustomResourceProvider/Role (CustomS3AutoDeleteObjectsCustomResourceProviderRole3B1BD092)

CliffStack | 3/8 | 5:10:36 AM | CREATE\_IN\_PROGRESS | AWS::Lambda::Function | Custom::S3AutoDeleteObjectsCustomResourceProvider/Handler (CustomS3AutoDeleteObjectsCustomResourceProviderHandler9D90184F)

CliffStack | 3/8 | 5:10:37 AM | CREATE\_IN\_PROGRESS | AWS::S3::BucketPolicy | cliff-bucket-180323/Policy (cliffbucket180323Policy78FEE5B4)

CliffStack | 3/8 | 5:10:38 AM | CREATE\_IN\_PROGRESS | AWS::S3::BucketPolicy | cliff-bucket-180323/Policy (cliffbucket180323Policy78FEE5B4) Resource creation Initiated

CliffStack | 4/8 | 5:10:38 AM | CREATE\_COMPLETE | AWS::S3::BucketPolicy | cliff-bucket-180323/Policy (cliffbucket180323Policy78FEE5B4)

CliffStack | 4/8 | 5:10:38 AM | CREATE\_IN\_PROGRESS | AWS::Lambda::Function | Custom::S3AutoDeleteObjectsCustomResourceProvider/Handler (CustomS3AutoDeleteObjectsCustomResourceProviderHandler9D90184F) Resource creation Initiated

CliffStack | 5/8 | 5:10:44 AM | CREATE\_COMPLETE | AWS::Lambda::Function | Custom::S3AutoDeleteObjectsCustomResourceProvider/Handler (CustomS3AutoDeleteObjectsCustomResourceProviderHandler9D90184F)

CliffStack | 5/8 | 5:10:45 AM | CREATE\_IN\_PROGRESS | Custom::S3AutoDeleteObjects | cliff-bucket-180323/AutoDeleteObjectsCustomResource/Default (cliffbucket180323AutoDeleteObjectsCustomResource3DEFBD83)

CliffStack | 5/8 | 5:10:51 AM | CREATE\_IN\_PROGRESS | Custom::S3AutoDeleteObjects | cliff-bucket-180323/AutoDeleteObjectsCustomResource/Default (cliffbucket180323AutoDeleteObjectsCustomResource3DEFBD83) Resource creation Initiated

CliffStack | 6/8 | 5:10:52 AM | CREATE\_COMPLETE | Custom::S3AutoDeleteObjects | cliff-bucket-180323/AutoDeleteObjectsCustomResource/Default (cliffbucket180323AutoDeleteObjectsCustomResource3DEFBD83)

CliffStack | 7/8 | 5:10:53 AM | UPDATE\_COMPLETE\_CLEA | AWS::CloudFormation::Stack | CliffStack

CliffStack | 8/8 | 5:10:53 AM | UPDATE\_COMPLETE | AWS::CloudFormation::Stack | CliffStack

✅ CliffStack

✨ Deployment time: 79.35s

Stack ARN:

arn:aws:cloudformation:ap-southeast-2:255945442255:stack/CliffStack/baf98fb0-c501-11ed-bcc3-06439dc21202

✨ Total time: 89.88s

Run

cdk destroy

PS C:\Users\wfccl\cliff> cdk destroy

Are you sure you want to delete: CliffStack (y/n)? y

CliffStack: destroying... [1/1]

CliffStack | 0 | 6:30:45 AM | DELETE\_IN\_PROGRESS | AWS::CloudFormation::Stack | CliffStack User Initiated

CliffStack | 0 | 6:30:47 AM | DELETE\_IN\_PROGRESS | AWS::CDK::Metadata | CDKMetadata/Default (CDKMetadata)

CliffStack | 0 | 6:30:47 AM | DELETE\_IN\_PROGRESS | Custom::S3AutoDeleteObjects | cliff-bucket-180323/AutoDeleteObjectsCustomResource/Default (cliffbucket180323AutoDeleteObjectsCustomResource3DEFBD83)

CliffStack | 1 | 6:30:48 AM | DELETE\_COMPLETE | AWS::CDK::Metadata | CDKMetadata/Default (CDKMetadata)

CliffStack | 2 | 6:30:55 AM | DELETE\_COMPLETE | Custom::S3AutoDeleteObjects | cliff-bucket-180323/AutoDeleteObjectsCustomResource/Default (cliffbucket180323AutoDeleteObjectsCustomResource3DEFBD83)

CliffStack | 2 | 6:30:56 AM | DELETE\_IN\_PROGRESS | AWS::S3::BucketPolicy | cliff-bucket-180323/Policy (cliffbucket180323Policy78FEE5B4)

CliffStack | 2 | 6:30:56 AM | DELETE\_IN\_PROGRESS | AWS::Lambda::Function | Custom::S3AutoDeleteObjectsCustomResourceProvider/Handler (CustomS3AutoDeleteObjectsCustomResourceProviderHandler9D90184F)

CliffStack | 3 | 6:30:58 AM | DELETE\_COMPLETE | AWS::S3::BucketPolicy | cliff-bucket-180323/Policy (cliffbucket180323Policy78FEE5B4)

✅ CliffStack: destroyed