

Create the app:

```
siri@siris-MacBook-Pro:~|⇒ mkdir hello-cdk
cd hello-cdk
```

Install all dependencies ,activate the virtual environment and Synthesize an AWS CloudFormation template

```
Resources:
            esources:
MyFirstBucketB8884591:
Type: AWS::S3::Bucket
Properties:
VersioningConfiguration:
Status: Enabled
UpdatReplacePolicy: Retain
DeletionPolicy: Retain
Metadata:
            Metadata:

aws:odk:path: HelloCdkStack/MyFirstBucket/Resource

CDKMetadata:

Type: AWS::CDK::Metadata

Properties:
Properties:
Analytics: V2:deflate64:H4sIAAAAAA/yXITQSAMBBA
Metadata:
aws:cdk:path: HelloCdkStack/CDMMetadata/Default
Condition: CDKMetadataAvailable
Conditions:
CDKMetadataAvailable:
Fn::Or:
- Fn::Or:
- Fn::Or:
- Fn::Or:
- Ref: AWS::Region
- af-south-1
- Fn::Equals:
- AP-east-1
- Fn::Equals:
- Ref: AWS::Region
- ap-northeast-1
- Fn::Equals:
- Ref: AWS::Region
- ap-northeast-2
- Fn::Equals:
- Ref: AWS::Region
- ap-northeast-1
                           TOPETLISE: V2:deflate64:H4sIAAAAAAA/yXITQ5AMBBA4bPYt+MvEWsulBxAqIpRpkk7jYi4O2livrwMihKsabl8VJORG45wdTwi97V+xyvKiijWdQz/bo/ttrb4JT-XFuakNHSLZqTFetxDmkCRbR6ROKCMe4a2z8PnTwD+3AAAAA
                                         - Ref: AWS::Region
- ap-south-1
- Fn::Equals:
- Ref: AWS::Region
- ap-southeast-1
- Fn::Equals:
- Ref: AWS::Region
- ap-southeast-2
- Fn::Equals:
- Ref: AWS::Region
- ca-central-1
                                         - Ref: AWS::Region
- ca-central-1
- Fn::Equals:
- Ref: AWS::Region
- cn-north-1
- Fn::Equals:
- Ref: AWS::Region
- cn-northwest-1
                             - Fn::Or:
                                         n::Or:
- Fn::Equals:
- Ref: AWS::Region
- eu-central-1
- Fn::Equals:
- Ref: AWS::Region
- eu-north-1
     [siri@siris-MacBook-Pro:~/hello-cdk|main / - cdk deploy

→ Synthesis time: 4.45s

        HelloCdkStack: building assets...
                                                                                                                                                                                                                                                                                                                                                                        ploy-role-971480383380-us-east-1', but are for the right account. Proceeding anyway.
         [10%] start: Building 5bb0eb8371e56620ed5b440e83689a608779cdfc75ca94830ef0c26e24af46be:current_account-current_region [100%] success: Built 5bb0eb8371e56620ed5b440e83689a608779cdfc75ca94830ef0c26e24af46be:current_account-current_region
        HelloCdkStack: assets built
        current credentials could not be used to assume 'arn:aws:iam::971488383388role/cdk-hnb659fds-lookup-role-971488383388-us-east-1', but are for the right account. Proceeding anyway. (To get rid of this warning, please upgrade to bootstrap version >= 8) current credentials could not be used to assume 'arn:aws:iam::971488383388role/cdk-hnb659fds-deploy-role-971488383388-us-east-1', but are for the right account. Proceeding anyway. HellockStack: deploying... [1/1]

**Coursel Credentials could not be used to assume 'arn:aws:iam::971488383388-role/cdk-hnb659fds-deploy-role-971488383388-us-east-1', but are for the right account. Proceeding anyway.
        HelloCdkStack: deploying... [1/1] current representations of the used to assume 'arn:aws:iam::971.68383388:role/cdk-hnb659fds-deploy-role-971.68383388-us-east-1', but are for the right account. Proceeding anyway. [6%] start: Publishing bibbeeb871e66626ed8b4de63869ac68978edf-78c6948388*fe26e24af46b6:current_account.eurrent_region control to the sust of assume 'arn:aws:iam::971.688333880*role/cdk-hnb659fds-file-publishing-role-971.689383388-us-east-1', but are for the right account. Proceeding anyway.
        current credentials could not be used to assume 'arm:aws:iam::971.488383388:role/cdk-hnb659fds-file-publishing-role-971488:
[108%] success: Published 5bb0eb8372656628ed5b408c83689a608770cdfc75ca94830ef0c26e24af46be:current_account-current_region
HelloCdkStack: creating CloudFormation changeset...

✓ HelloCdkStack

→ Deployment time: 38.69s

        \label{eq:stack_ARN:arn:aws:cloud} \textbf{Stack_ARN:} \\ \textbf{arn:aws:cloudformation:us-east-1:971480383380:stack/HelloCdkStack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:971480383380:stack/HelloCdkStack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:97148038380:stack/HelloCdkStack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:97148038380:stack/HelloCdkStack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:97148038380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:971480380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:971480380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:97148038380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:97148038380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:97148038380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:971480380:stack/f5b0cfa0-beef-11ed-b47d-0adbb06ea993} \\ \textbf{Stack_ARN:avs:cloudformation:us-east-1:971480380:stack/f5b

→ Total time: 43.14s
```

Stack HelloCdkStack current credentials could not be used to assume 'arn:aws:iam::971480383380:role/cdk-hnb659fds-lookup-role-971480383380-us-east-1', but are for the right account. Proceeding anyway. (To get rid of this warning, please upgrade to bootstrap version >= 8) current credentials could not be used to assume 'arn:aws:iam::971480383380:role/cdk-hnb659fds-deploy-role-971480383380-us-east-1', but are for the right account. Proceeding anyway. IAM Statement Changes

	Resource	Effect	Action	Principal	
+	\${Custom::S3AutoDeleteObjectsCustomResourceProvider/Role.Arn}	Allow	sts:AssumeRole	Service:lambda.amazonaws.com	
+	\${MyFirstBucket.Arn} \${MyFirstBucket.Arn}/*	Allow	s3:DeleteObject* s3:GetBucket* s3:List*	AWS:\${Custom::S3AutoDeleteObjectsCustomResourceProvider/Role.Arn}	

+		\${Custom::S3AutoDeleteObjectsCustomResourceProvider/Role}	{"Fn::Sub":"arn:\${AWS::Partition}:iam::aws:policy/service-role/AWSLambdaBasicExecutionRole"}	
		Resource	Managed Policy ARN	

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

- RESOURCES

 [-] AMS:1281:Bucket SiriFirst2828DCFC288 orphan

 [-] AMS:231:Bucket MyFirstBucket MyFirstBucket88884691

 [-] AMS:1281:BucketPolicy MyFirstBucket88884691

 [-] AMS:1281:BucketPolicy MyFirstBucketFAllory MyFirstBucketPolicy 3243DEFD

 [-] Oustom::SSAutoDeleteObjects MyFirstBucket/AutoDeleteObjectsCustomResource MyFirstBucketAutoDeleteObjectsCustomResourceProviderFAllory AMS:1281BucketAutoDeleteObjectsCustomResourceProviderFAllory AMS:1281BucketAutoD

Deploy the stack



Destroy the app's resources