

Deploying a CDK App



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Globomantics



Josh
Cloud Architect

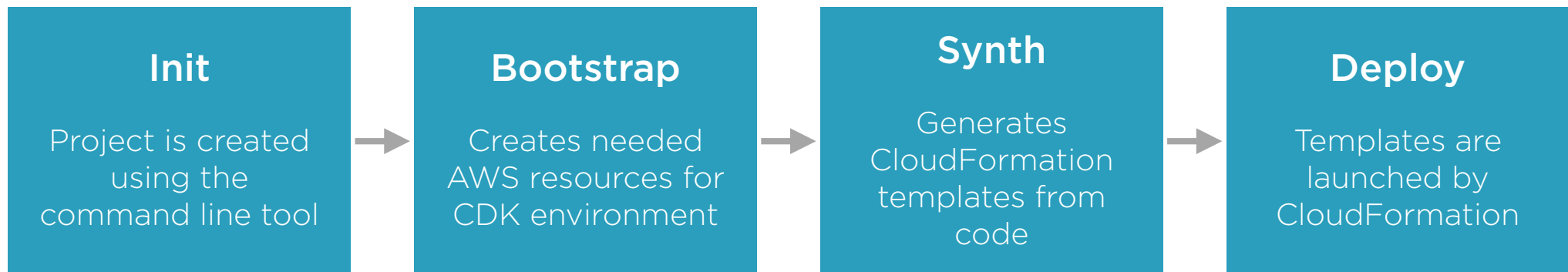
Created his first CDK app

Has access to an AWS account for his proof of concept

Added a resource to his CDK app

Ready to deploy the initial app into this AWS account

CDK Workflow



Overview

Reviewing how the CDK integrates with AWS using CloudFormation

Bootstrapping an AWS environment

Reviewing generated CloudFormation templates for our CDK app

Deploying our CDK app

Examining our CDK app within CloudFormation in the AWS console

Common CDK Commands

Echo CDK command line version

cdk version

Create a new CDK project (app)

cdk init **TEMPLATE** --language **LANGUAGE**

Bootstrap the AWS environment

cdk bootstrap

List the stacks in the CDK app

cdk list

Deploy a CDK stack

cdk deploy

Delete the stack

cdk destroy

Launch the CDK documentation

cdk docs

Compares local and deployed stack

cdk diff

Generates CloudFormation templates

cdk synth

Bootstrapping an AWS Environment

Demo

Executing the bootstrap command for an AWS environment

Reviewing the generated CloudFormation stack for the environment

Generating a CloudFormation Template

Demo

**Generating CloudFormation templates for
a CDK app**

Reviewing the generated templates

Deploying a CDK App

Demo

Deploying our CDK app

Reviewing the generated CloudFormation stack in the AWS console