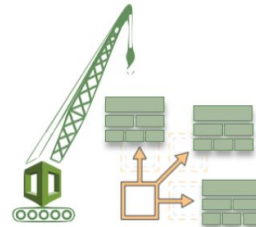


Deploying containers with Cloudformation

Presented by Saurav Sharma



What is Cloudformation?

AWS CloudFormation is an infrastructure-as-code tool/service that lets a user describe and provision infrastructure resources in a cloud environment using cloudformation templates.

Cloudformation



Templates

A yaml or a json based text configuration file that defines the resources to be created

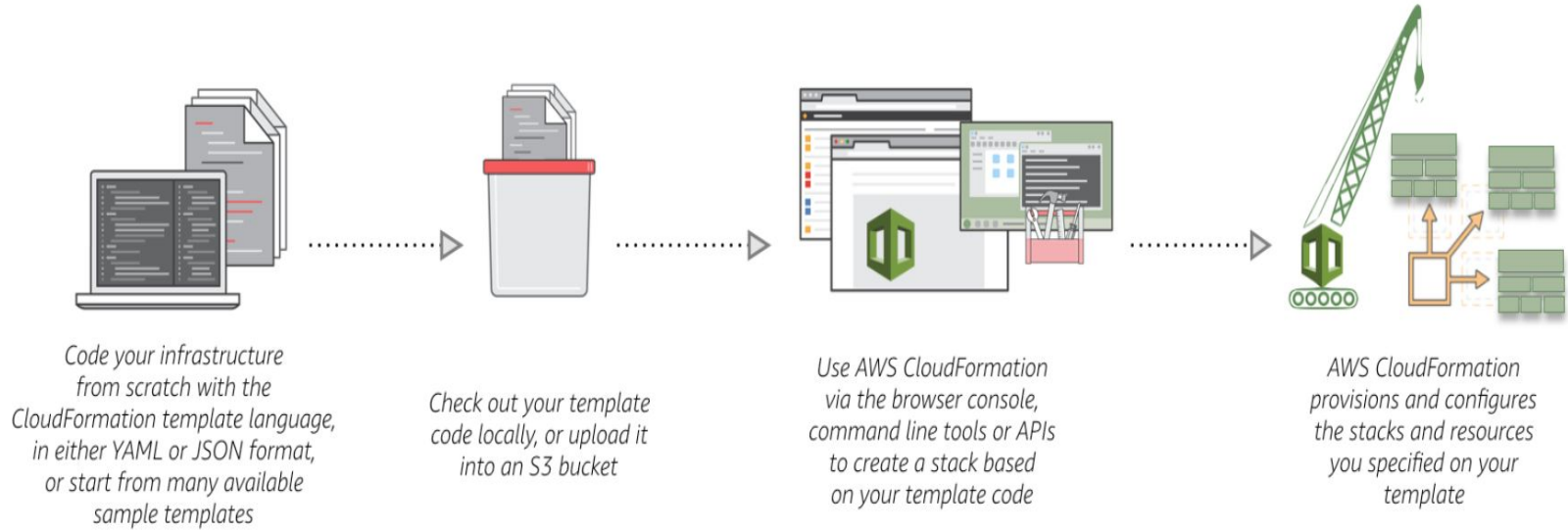
creates



Stack

Group of resources like EC2 instances, RDS database, Lambda etc are created after you create a Stack in Cloudformation.

How it works



<https://aws.amazon.com/cloudformation/>

Demo

- 1) I create a stack with my premade cloudformation template(configuration file)
- 2) Cloudformation provisions an EC2 instance on AWS.
- 3) A script is run on EC2 during Startup that installs docker, builds container image and runs a container accessible with a public IP address.
- 4) We verify the app is running