BATCH : BATCH 85

LESSON : AWS

DATE : 06.08.2022

SUBJECT : CLOUDFORMATION

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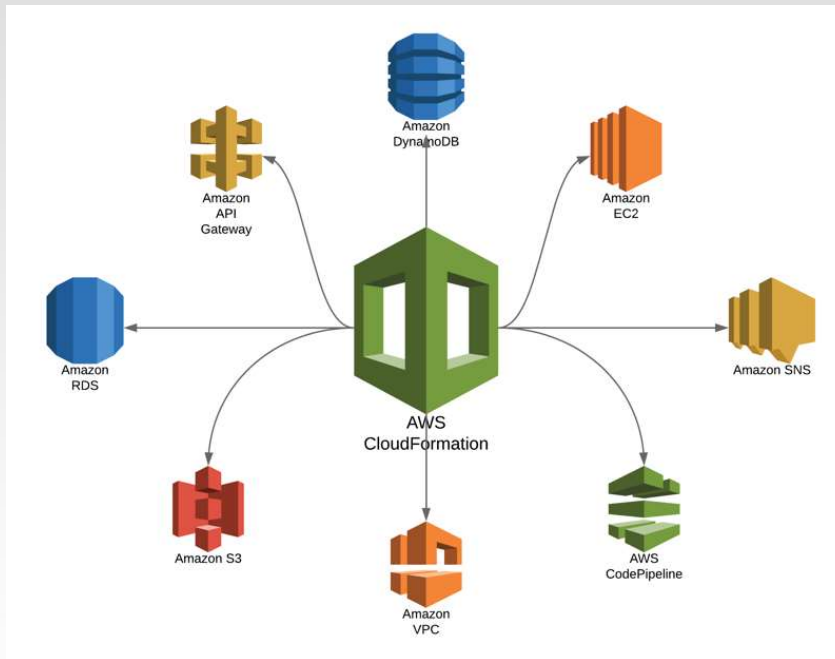
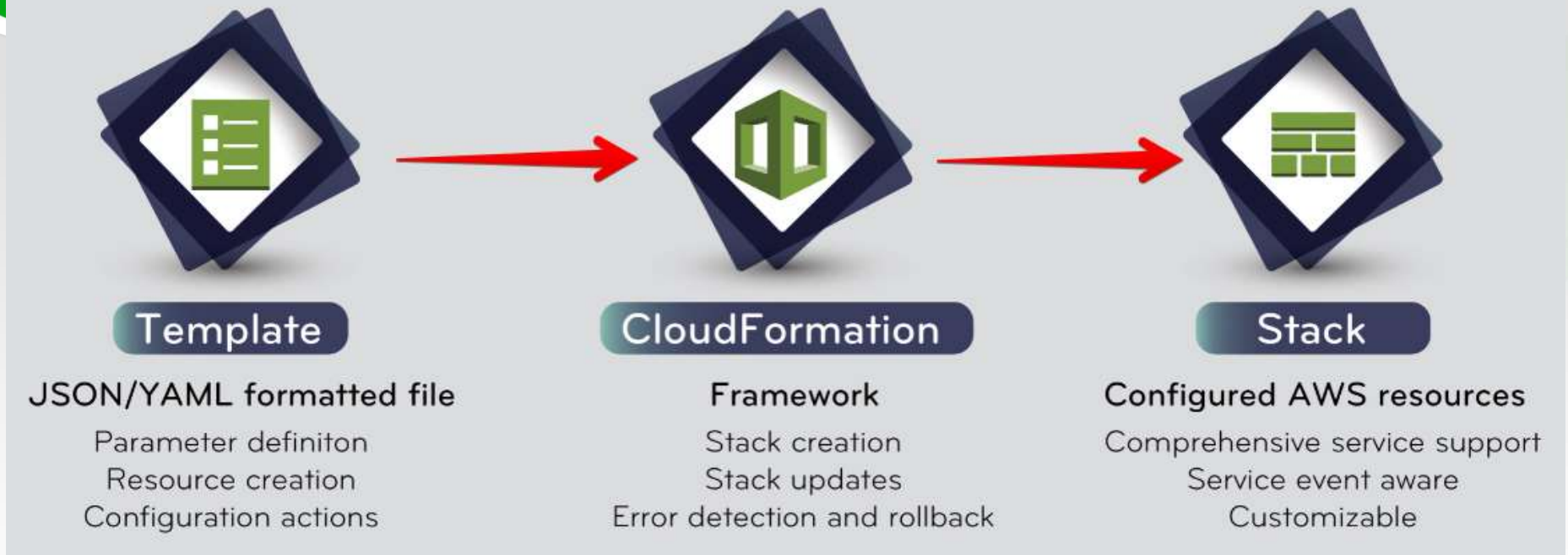techproedu

CLOUDFORMATION

What is Cloudformation?

CloudFormation is an AWS service which enables you to create, manage, configure, replicate and delete AWS resources easily and rapidly using with templates, formatted text files in JSON or YAML.
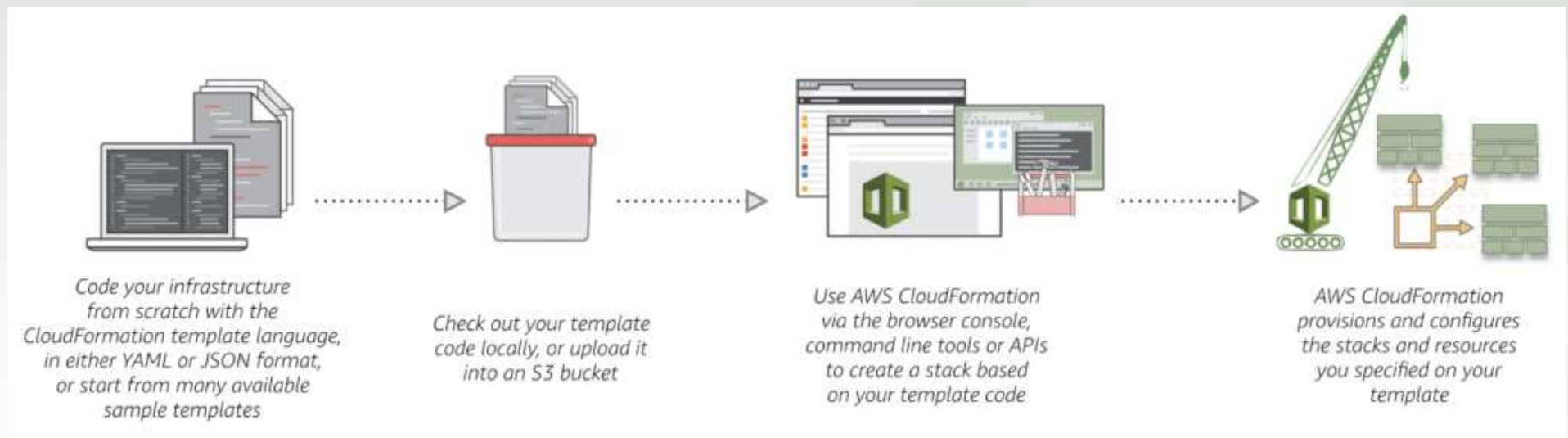
Stacks and Templates

Template — JSON/YAML formatted file
- Parameter definiton
- Resource creation
- Configuration actions

CloudFormation — Framework
- Stack creation
- Stack updates
- Error detection and rollback

Stack — Configured AWS resources
- Comprehensive service support
- Service event aware
- Customizable

✅ **Stacks and templates** are the main components of AWS CloudFormation. A template is a JSON or YAML formatted text file which you specify the AWS resources you want to create. Templates can have the extensions .json, .yaml, .template, or .txt.

How Does AWS Cloudformation Work?

Code your infrastructure from scratch with the CloudFormation template language, in either YAML or JSON format, or start from many available sample templates

Check out your template code locally, or upload it into an S3 bucket

Use AWS CloudFormation via the browser console, command line tools or APIs to create a stack based on your template code

AWS CloudFormation provisions and configures the stacks and resources you specified on your template

Accessing and Pricing

Accessing:

› AWS enables you to access CloudFormation via:

AWS Management Console: You can use Management Console to easily access CloudFormation like many other services.

AWS Command Line Interface: You can use also CLI to access CloudFormation. Please check this link if you need more information about AWS CloudFormation CLI.

CloudFormation API: AWS supports accessing CloudFormation via API, if you want to use. Please see AWS CloudFormation API Reference for information about making API requests and API actions.

Pricing:

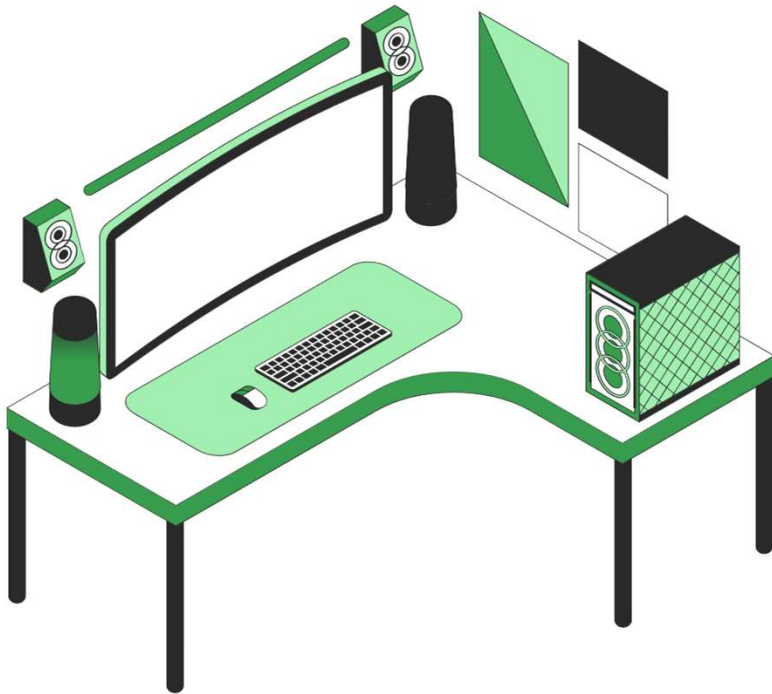**YOU PAY THE RESOURCES YOU USE**

What is Stack?

- A Stack is a single unit composed ofo the AWS resources provisioned by Cloudformation:

TEMPLATES

- Template Version
- Description
- Metadata
- Parameters
- Mappings
- Conditions
- Transform
- Resources
- Outputs

Do you have any questions?

Send it to us! We hope you learned something new.