

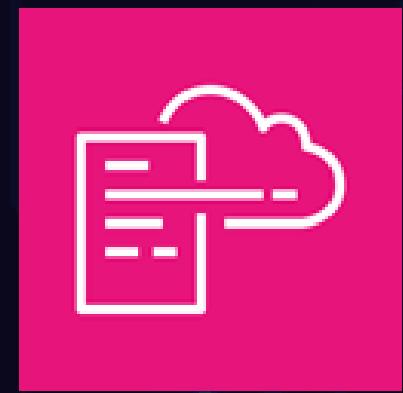
AWS CLOUDFORMATION

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01]

INTRODUCTION



INTRODUCTION

A service that gives developers and businesses an easy way to create and manage a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion. It allows you to use a simple text file to model and provision all the resources needed for your applications across all AWS regions and accounts.

02) KEY FEATURES

KEY FEATURES

01

Infrastructure as Code: Define your infrastructure using code, allowing for version control and automation.

02

Automated Provisioning: Automatically create and manage resources using templates.

03

Consistency: Ensure consistent configuration of resources across environments.

KEY FEATURES

04

Resource Management: Manage dependencies and orchestrate provisioning across multiple resources.

05

Rollback and Change Sets: Safely update stacks with change sets and rollback on failure.

03) HOW IT WORKS



HOW IT WORKS

01

Create a Template: Define the desired resources and configurations in a JSON or YAML file.

02

Deploy the Stack: Use the CloudFormation service to create a stack based on the template.

03

Manage the Stack: Update, delete, or view the stack's status through the AWS Management Console, CLI, or API.



04) TEMPLATE STRUCTURE

STRUCTURE

01

Resources: The AWS resources to be created (e.g., EC2 instances, S3 buckets).

02

Parameters: Input values that can be specified when the stack is created or updated.

03

Mappings: Static variables that can be used to specify conditional parameter values.

STRUCTURE

04

Outputs: Values that are returned whenever you view the properties of the stack.

05

Conditions: Define conditions that control whether certain resources are created or whether certain properties are assigned a value during stack creation or update.



05) USE CASES

USE CASES

Application Deployment

Automate the deployment and management of applications.

Infrastructure Management

Consistently manage infrastructure across multiple environments

Disaster Recovery

Create and manage disaster recovery environments with consistent configurations.

Compliance

Ensure compliance with corporate policies through version-controlled templates.

06

PRICING



PRICING

AWS CloudFormation itself is free, but you pay for the AWS resources created using CloudFormation templates. Charges are based on the standard pricing for the resources.

CONTACT ME!



The Tech Stuff



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THANK YOU