

Service Summary Cards (SSC)

Reference:

[FAQs](#)

Category:

Management and Governance



AWS CloudFormation

What?

- AWS CloudFormation gives you an easy way to model a collection of related AWS and third-party resources, provision them quickly and consistently, and manage them throughout their lifecycles, by treating infrastructure as code (IaC).
- It enables you to use a template file to create and delete a collection of resources together as a single unit (a stack).

Why?

- Automate, test, and deploy infrastructure templates with continuous integration and delivery (CI/CD) automations.
- Run anything from a single Amazon Elastic Compute Cloud (EC2) instance to a complex multi-region application.

When?

- You want to use a declarative way to create, update, and delete an entire stack as a single unit, instead of managing resources individually across multiple accounts and regions.
- You want predictable, controlled approach for managing resources across your application portfolio.

Where?

- AWS CloudFormation is a regional service, but it can deploy stacks across multiple accounts and regions using StackSets.
- A template is stored in an Amazon S3 bucket.

Who?

- You create or provide a template (JSON or YAML formatted text file) that describes all the AWS resources that you need, and CloudFormation takes care of provisioning and configuring those resources (stack) for you.
- When creating a stack, AWS CloudFormation makes underlying service calls to AWS to provision and configure resources.

How?

- You create a template (JSON or YAML formatted text file) that describes all the AWS resources that you, and CloudFormation takes care of provisioning and configuring those resources (stack) for you.
- When creating a stack, AWS CloudFormation makes underlying service calls to AWS to provision and configure resources.

How much?

- There is no additional charge for using AWS CloudFormation, you pay for AWS resources created by it as if you had created them manually.

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