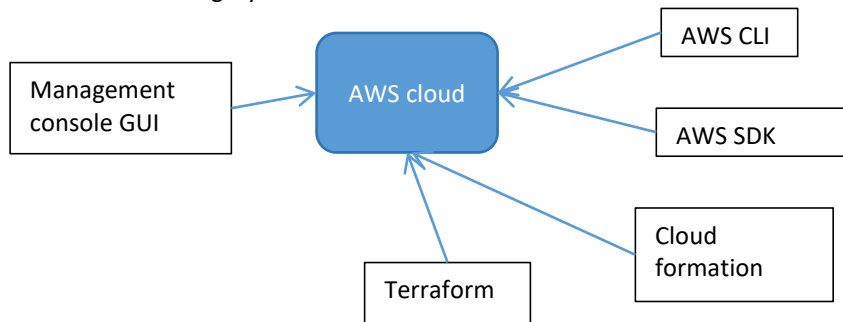


Cloud formation:

It comes under the category IaC ---> Infrastructure as a Service

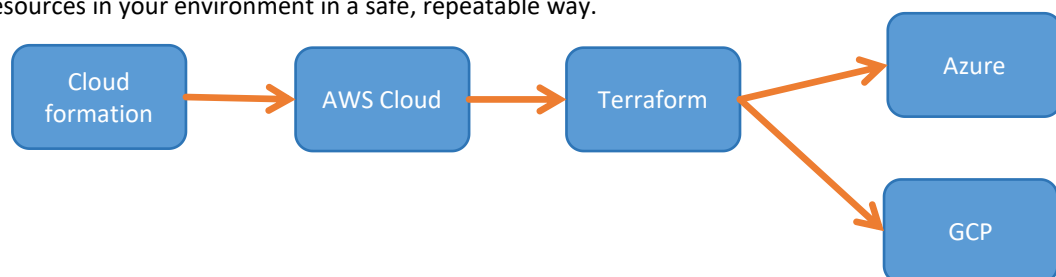


AWS cloud can be accessed using Management console, AWS CLI, AWS SDK, Cloud formation and Terraform. Both Cloud formation and Terraform come under IaC category. You have to write code to create infrastructure in AWS. Cloud formation is only specific to AWS. Terraform works with Azure, GCP etc

The screenshot shows the AWS CloudFormation console interface. At the top, it says "Management & Governance". The main heading is "AWS CloudFormation" with the subtext "Model and provision all your cloud infrastructure". Below this, a description states: "AWS CloudFormation provides a common language to describe and provision all the infrastructure resources in your environment in a safe, repeatable way." On the right side, there is a "Create a CloudFormation stack" section with a "Create stack" button. Below that is a "Getting started" section with links to "What is AWS CloudFormation", "Getting started with CloudFormation", "Learn template basics", and "Quick starts". At the bottom, there is a "How it works" section with a video player showing the text "Simplify Your Infrastructure Management Using AWS CloudFormation".

Provisioning means creation of infrastructure

AWS CloudFormation provides a common language to describe and provision all the infrastructure resources in your environment in a safe, repeatable way.



Click Create Stack

We need to upload that yml file

Create stack

Prerequisite - Prepare template

You can also create a template by scanning your existing resources in the [IaC generator](#).

Prepare template

Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

☒ Choose an existing template

Upload or choose an existing template.

☐ Build from Infrastructure Composer

Create a template using a visual builder.

Specify template [Info](#)

This [GitHub repository](#) contains sample CloudFormation templates that can help you get started on new infrastructure projects. [Learn more](#)

Template source

Selecting a template generates an Amazon S3 URL where it will be stored. A template is a JSON or YAML file that describes your stack's resources and properties.

☐ Amazon S3 URL

Provide an Amazon S3 URL to your template.

☒ Upload a template file

Upload your template directly to the console.

☐ Sync from Git

Sync a template from your Git repository.

Upload a template file

[Choose file](#)

JSON or YAML formatted file

S3 URL: Will be generated when template file is uploaded

[View in Infrastructure Composer](#)

[Cancel](#)

[Next](#)

The yml script can create resources like EC2 and deploy our code automatically

Cloud Formation --> Stack --> existing template --> upload template yml file (below script save with .yaml format and upload) --> Verify EC2 dashboard we can see server getting created