

Automating your app with Elastic Beanstalk and CloudFormation:

CloudFormation Overview:

- Service to provision resources using templates

CloudFormation Template

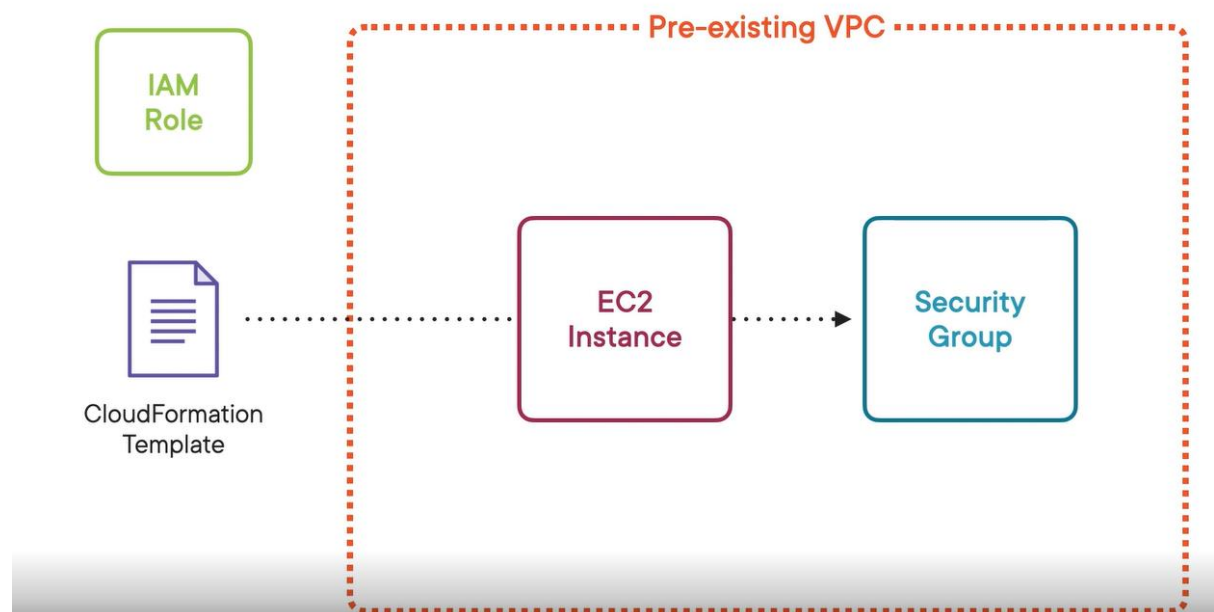


JSON document

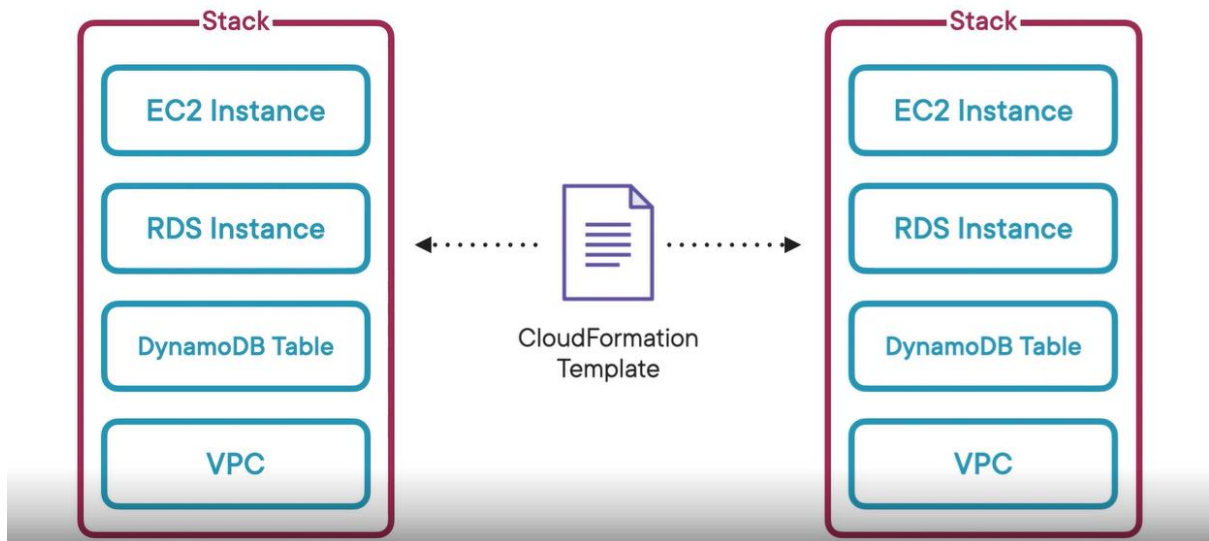
Contains configuration for resources

Can be used in version control

No limit to amount of resources



CloudFormation Stack

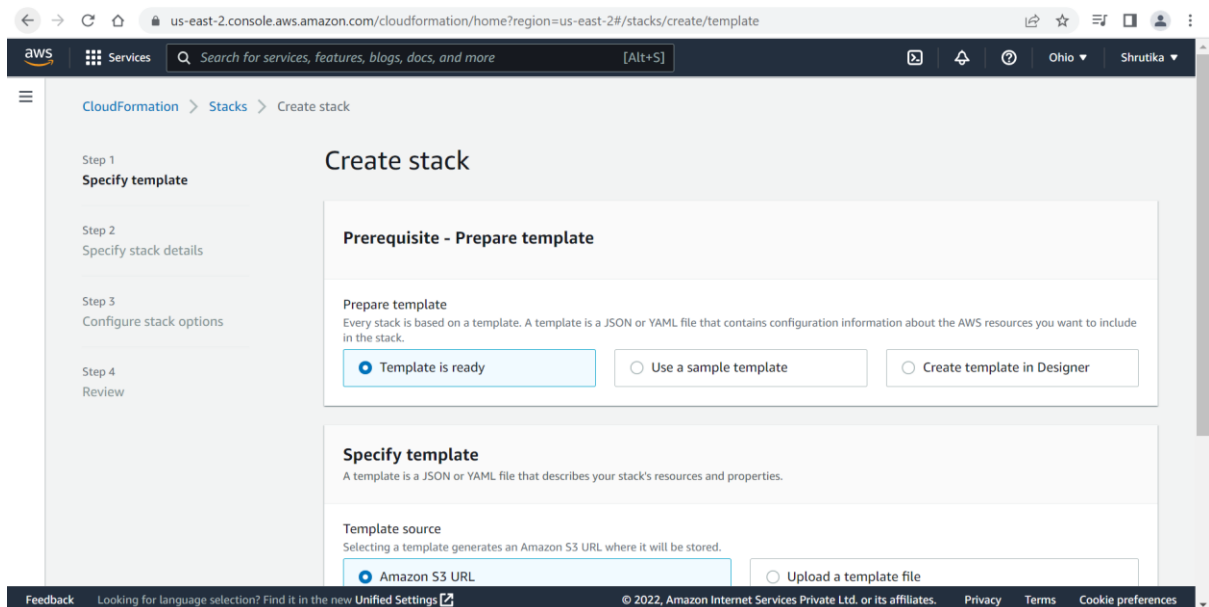


Other CloudFormation operations:

- Updating a stack – it requires resources to restart
- Deleting a stack – removes all resources created in that task

CloudFormation only creates the resources you explicitly configure in the template

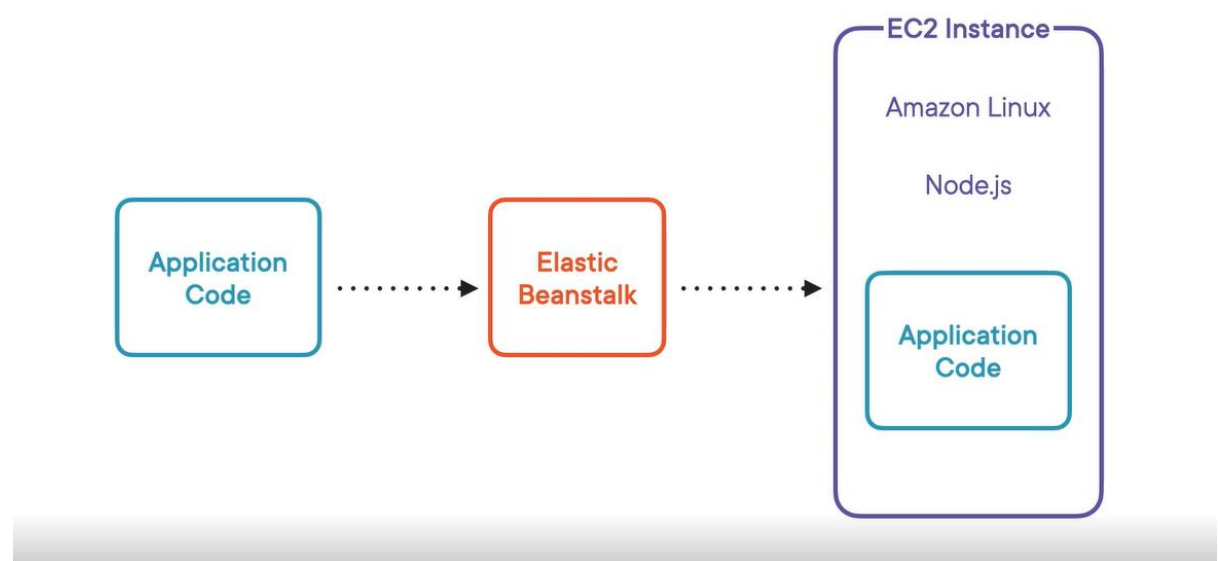
Create, test and delete pizza lovers infrastructure with cloudFormation:



The screenshot shows the AWS CloudFormation console for a stack named 'pizzastack'. The breadcrumb navigation at the top indicates the path: CloudFormation > Stacks > pizzastack. On the left sidebar, under 'Stacks (1)', the 'pizzastack' is listed with a timestamp of '2022-06-28 15:54:55 UTC+0530' and a status of 'CREATE_IN_PROGRESS'. The main panel displays the 'Events (1)' tab, showing a single event with the same timestamp and status. The event's status reason is 'User Initiated'. The top navigation bar includes the AWS logo, a search bar, and user information for 'Shrutika'.

- Scaling
- Monitoring

- Resource provisioning



CloudFormation

Only provisions
resources

Elastic Beanstalk

Provisions resources
and runs your
application

Elastic
Beanstalk
Application

Represents a logical application
Runs a single platform (eg. Node.js, Java)
Has one or more application versions

