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IaC

# Infrastructure as Code

Developers or operations teams automatically manage and provision the technology stack for an application through software, rather than using a manual process to configure hardware devices and OS.

## Benefits

### Developers can use code to provision and deploy resources.

### Go through the version control(git), keep track of the settings change and automated for CI/CD

### Easy to generate dev, staging, prod after change few parameters.

## CloudFormation vs TerraForm

### Scope

### CloudFormation covers almost all bits and parts of AWS

### Terraform covers the most important AWS resources. **Other cloud providers and 3rd party services are supported as well**

### License and Support

### CloudFormation is a service offer by AWS for free with support.

### Open source project. Hashicorp is offering support

### Rollback

### When CloudFormation fails to modify your infrastructure, it rolls back to the previous working state

### Terraform does not support rollbacks out of box.