

Terraform VS Cloudformation

Terraform, and CloudFormation helps your **IT team** provision and manage your infrastructure with different tools.

Let's look at the **advantages and disadvantages of Terraform vs. CloudFormation.**



Terraform Advantages

- Terraform modules allows us to separate resources into dedicated and reusable templates.
- Terraform has a strong CLI
- Terraform supports multi-cloud integration.



Terraform Disadvantages

- When AWS launches new services, getting compliance checks in Terraform takes longer.
- Security of “state files” is a concern. The users must ensure that the state files are handled in the remote backend because they have confidential information.



CloudFormation Advantages

- Works best for new AWS services.
- YAML is friendly and easier to use and configure.
- Many tools help in Unit Testing for the CloudFormation templates.



CloudFormation Disadvantages

- Nested stacks are more challenging to implement and manage.
- There is a size limit of 51MB on the stacks that don't work in the developers' favor all the time.
- Modularization of code in CloudFormation is not as mature as Terraform.



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