

Characteristic	AWS CFN	AWS CDK	Terraform
Number of AWS resources	500+	500+	400+
Licence+support	Yes, but custom resources can be designed	Yes, but <u>Escape Hatches</u> can be utilized	Yes, but <u>terraform-aws-anything</u> can be utilized
Third party	Yes + Resource Providers	Yes	Yes
Language	JSON / YAML	Various PL including JS, TypeScript, Python, C#	HCL
Configuration management	60 Parameters + import from SSM or other stacks	Environment Variables + CF Parameters + import from SSM	Data Sources allow to retrieve data to be utilized anywhere in Terraform config
Change management	Change Sets verify	Cdk diff compares states but not until the deployment	Terraform plan provides execution and in-depth testing before applying changes
Visualization	CloudFormation Designer	Visual Studio Code or <u>CLI</u>	Terraform graph command