

TERRAFORM

Terraform is an open-source infrastructure as code (IaC) tool developed by HashiCorp.

Multi Cloud: It allows you to define and manage your infrastructure resources across various cloud providers, such as Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), and many others.

Automation, Version Control, Review, Create repeatable infrastructure , remove human errors.

Resource Graph: Terraform builds a dependency graph of your infrastructure resources and deploys them in the correct order to ensure proper dependencies are met.

Plan and Apply: Terraform provides a planning phase that shows the changes it will make to your infrastructure. You can review and approve the changes before applying them.

State Management: Manage state of whole infrastructure and build on changes only

Modular and Reusable Configurations: Terraform allows you to break down your infrastructure into modules, making it easy to reuse and share common configurations.