**Terraform**

**Terraform**:

**Problam : Rela time senario :** supposes if you want to create/deploye 5/10 Server with same configuratrion then(like network, ec2 instance, db, etc) then what you can do and how mouch time it will take and after creating server/instance you want to update the particulr serverice. .

1. Menual: You can create server / instance once by one then it will take lot of time and at time of updating it will also taking lot of time
2. **Terraform**: you want write/create a taraform form / file and by run a single command you can update withing few second..

It is infrastructure orchestration tool for deployed your infrastructure(Server, Network, Storage/DB) and it is plateform indepandent tool and can run on any cloud provider (like aws, azure, google cloud) .

According to the product[website](https://www.terraform.io/intro), Terraform is “…an infrastructure as code (IaC) tool that allows you to build, change, and version infrastructure safely and efficiently.

* Terraform is an infrastructure as code (IaC) tool that allows you to build, edit, and version infrastructure in a safe and efficient manner.
* This includes both low-level components such as computing instances, storage, and networking and high-level components such as DNS entries and SaaS services.
* Terraform can manage both existing service providers and new internal solutions.