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## Advance DevOps Lab

### Experiment 5:

#### Aim -

To understand terraform lifecycle, core concepts/terminologies and install it.

#### Theory -

Terraform is an Infrastructure as code (IaC) tool that allows you to build, change and version infrastructure safely and efficiently. This includes low level components as compute instances, storages and networking as well as high-level components such as DNS entries, SaaS features etc.

Terraform can manage infrastructure on multiple cloud platforms. Terraform's state allows you to track resource changes throughout your deployments. You can commit your configurations to version control to safely collaborate on infrastructure. Terraform plugins called providers let Terraform interact with cloud platforms and other services via their APIs.

Conclusion-

Thus, we have successfully installed Terraform.