Infrastructure As A Code (Iaac)

Why Terraform?
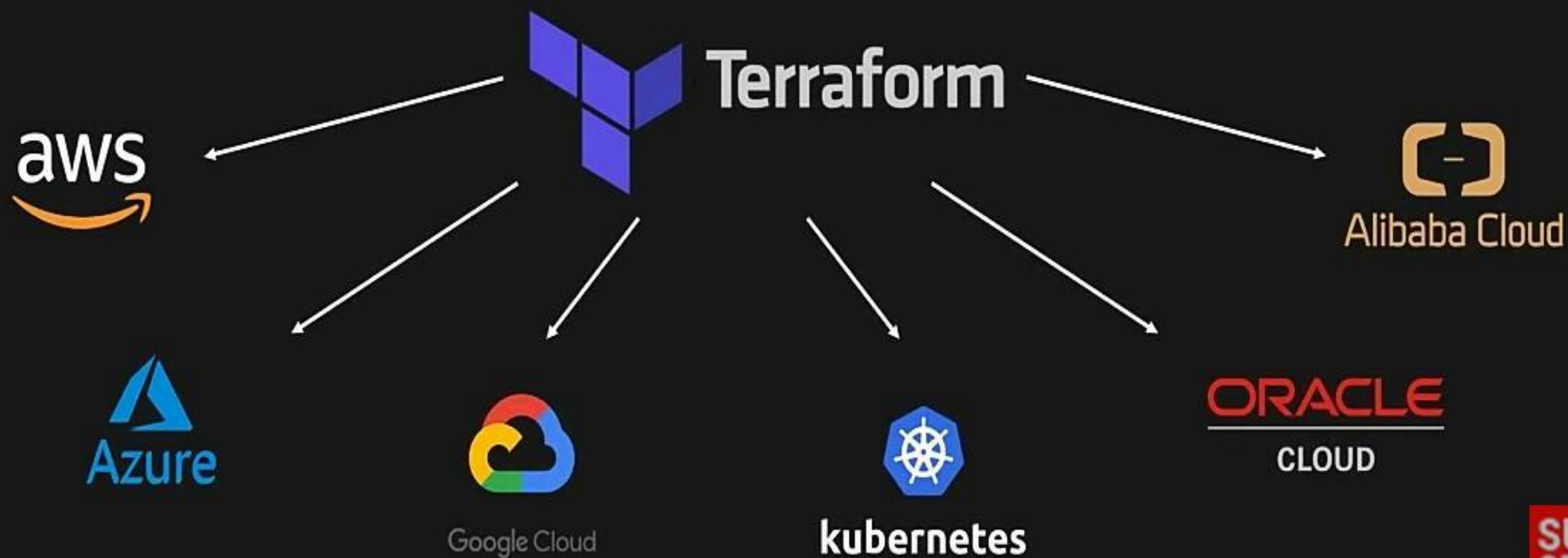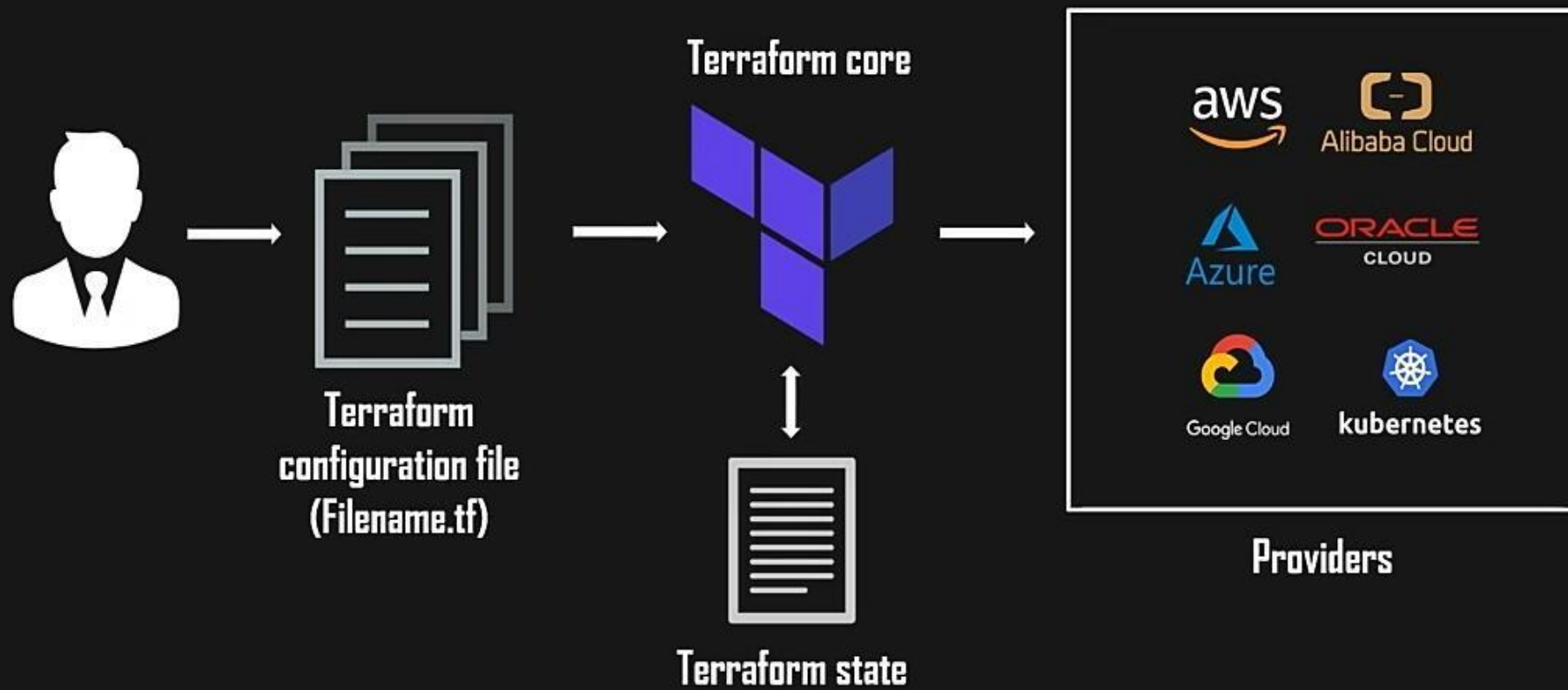
What is Terraform?

Terraform is an open-source Infrastructure-as-Code (IaC) tool developed by HashiCorp where you can store your cloud infrastructure setup as codes.

How Does Terraform Work?

Terraform Use Case

Terraform Use Case

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Benefits

Quickly create the infrastructure over multiple public clouds	Flexibility to launch infrastructure when needed	Reduction in time to market	Automated backup

Terraform Lifecycle

Ec2 Provisioning Using Terraform

► #AWS Instance

Configure the AWS Provider

```
provider "aws" {
  region = "ap-south-1"
  access_key = "AKIAUZBJNUI7NTZDR357"
  secret_key = "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"


}
resource "aws_instance" "ec2" {
    ami = "ami-02d47a75bafe6e320"
    instance_type = "t2.micro"
  }
```