

# Terraform Questions

## Basic Terraform Questions:

1. What is Terraform, and how does it work?
2. What are the main components of Terraform? (Providers, Resources, Modules, State, etc.)
3. What are Terraform providers? Can you name a few?
4. How do you install and initialize Terraform?
5. What is the difference between terraform init, terraform plan, and terraform apply?
6. What is the Terraform state file (terraform.tfstate)?
7. What is the purpose of terraform refresh?
8. How do you update an existing resource in Terraform?
9. What is the difference between terraform apply and terraform destroy?
10. How do you handle secrets in Terraform?

## Intermediate Terraform Questions:

11. What is Terraform Cloud and how is it different from Terraform CLI?
12. What is the use of terraform output?
13. How do you import an existing infrastructure into Terraform?
14. What is the difference between terraform taint and terraform replace?
15. What is terraform workspace, and when would you use it?
16. What is the difference between local and remote backends?
17. How do you store Terraform state remotely?
18. What is the purpose of the terraform lock file?
19. What are Terraform modules, and how do you use them?
20. How do you use variables in Terraform?

## Advanced Terraform Questions:

21. What are dynamic blocks in Terraform, and when would you use them?
22. What is the difference between count and for\_each?
23. How do you manage dependencies between resources in Terraform?
24. How do you handle drift detection in Terraform?

- 25. How can you enforce policies in Terraform using Sentinel?**
- 26. What are Terraform provisioners, and when should they be used?**
- 27. How do you use terraform fmt and terraform validate?**
- 28. What is a null\_resource, and when would you use it?**
- 29. How do you write a custom Terraform provider?**
- 30. What happens if two users run terraform apply at the same time?**