TERRAFORM KEY FEATURES

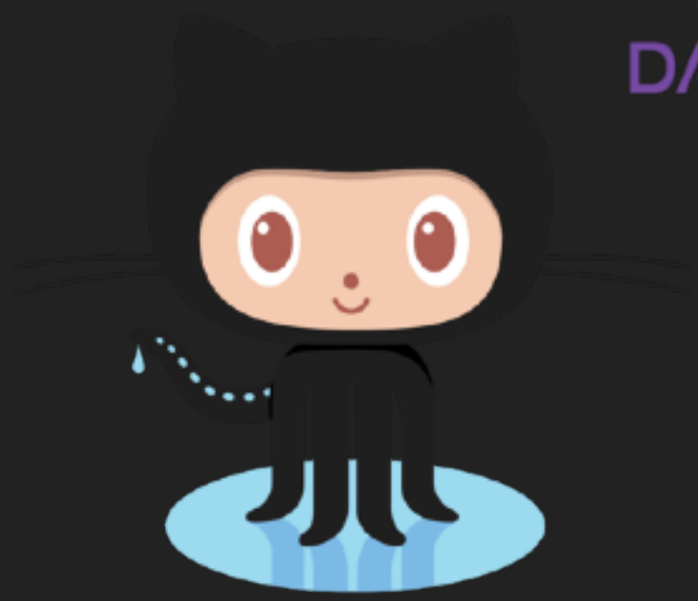
- Infrastructure as code
  - Infrastructure is described using a high-level configuration syntax. This allows a blueprint of your datacenter to be versioned and treated as you would any other code.
  - Infrastructure can be shared and re-used.
- Execution plans
  - The “planning” step generates an explanation plan that shows what Terraform will do when you apply. Helps eliminate surprises as infrastructure is manipulated.
- Resource Graph
  - Terraform builds a graph of all your resources, and parallelizes the creation and modification of non-dependent resources.
  - Helps to build infrastructure as efficiently as possible.
- Change Automation
  - With complex changesets, minimal human interaction can be important. Terraform helps you to know EXACTLY what is being changed and in what order, helping to avoid human errors.

TERRAFORM KEY FEATURES CONT.

- Multiple Providers
  - AWS, Google Cloud, Azure
  - Github, Bitbucket, Datadog, Pager Duty
  - https://www.terraform.io/docs/providers/index.html
- Use Cases
  - Multi-Tier Applications
  - Disposable Environments
  - Software Demos
  - Software Defined Networking
  - Multi-Cloud Deployments

Google Cloud Platform

DATADOG



GitLab