

**WRITE, PLAN, AND CREATE
INFRASTRUCTURE AS CODE**

– Hashicorp

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.