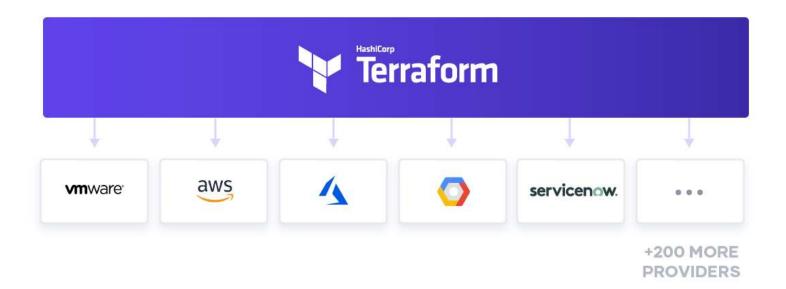
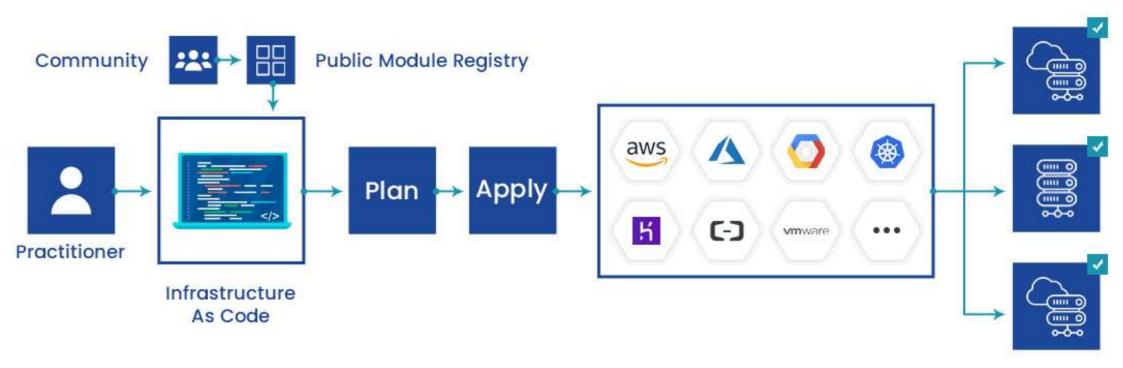


Introduction

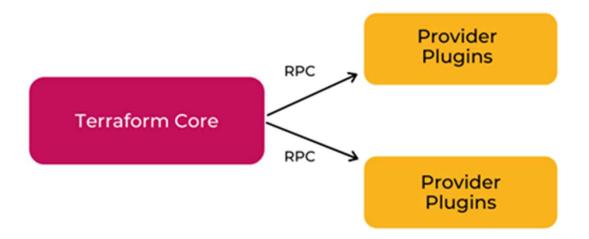


Introduction



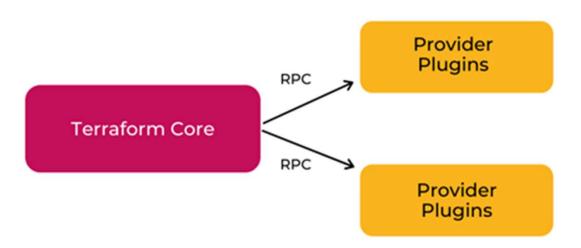
Terraform Core

- Written in the Go programming language
- The entry-point for anyone using Terraform
- Primary responsibilities
 - Reading configuration files
 - Resource state management
 - Construction of the Resource Graph
 - Plan execution
 - Communication with plugins



Terraform Plugins

- Each plugin exposes an implementation for a specific service
 - such as AWS, Azure
- Plugin Locations
 - ~/.terraform.d/plugins



Install Terraform

- curl -fsSL https://apt.releases.hashicorp.com/gpg | sudo apt-key add -
- sudo apt-add-repository "deb [arch=amd64]
 https://apt.releases.hashicorp.com \$(lsb_release -cs) main"
- sudo apt-get update && sudo apt-get install terraform
- terraform –help
- terraform -install-autocomplete
- Refer: 0-Install-Terraform.md

An Introduction to Terraform Syntax

- Called HashiCorp Configuration Language (HCL)
- Human readable as well as machine-friendly

```
# An AMI
variable "ami" {
description = "the AMI to use"
}
resource "aws_instance" "web" {
ami = "${var.ami}"
count = 2
connection {
user = "root"
}
```

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