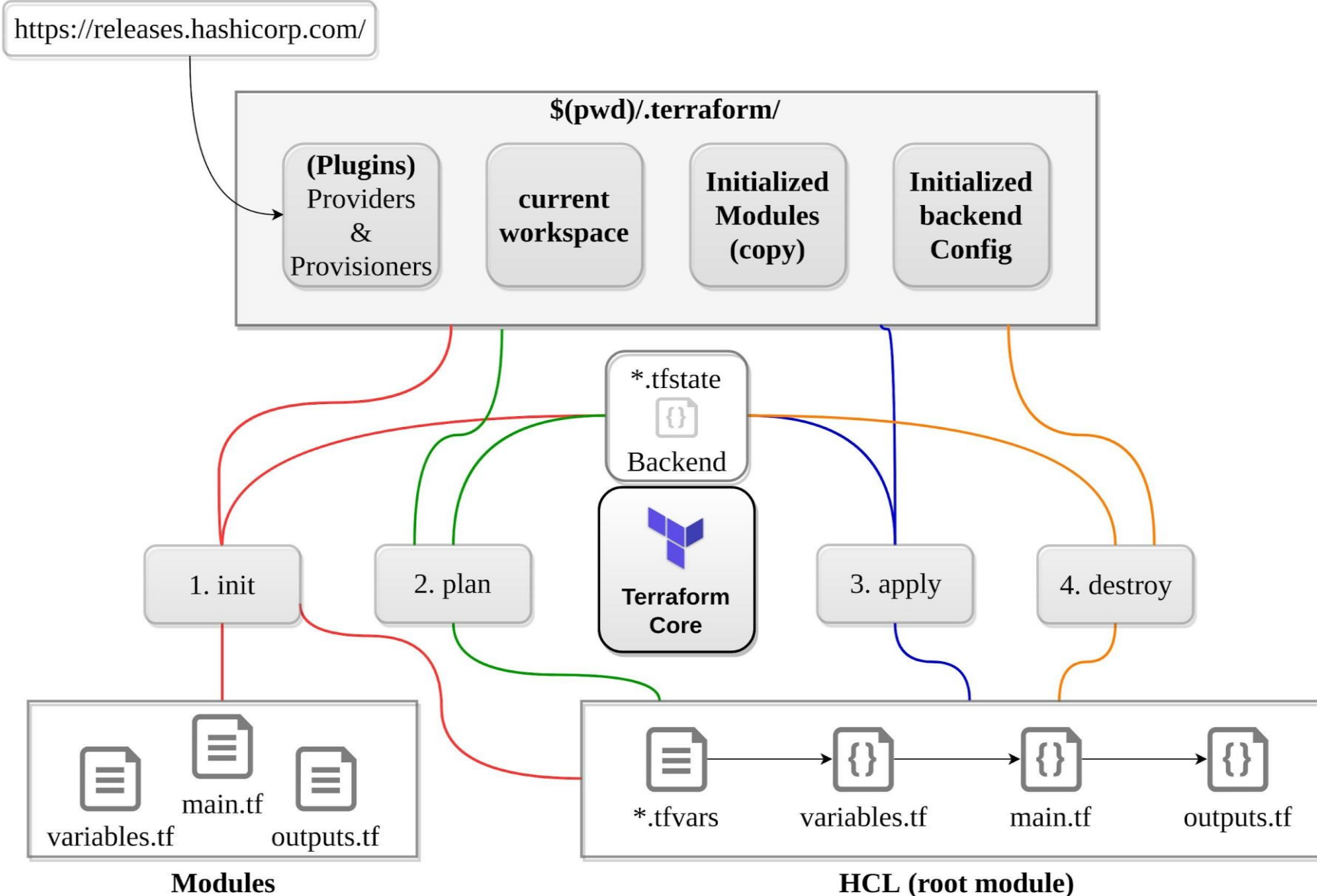
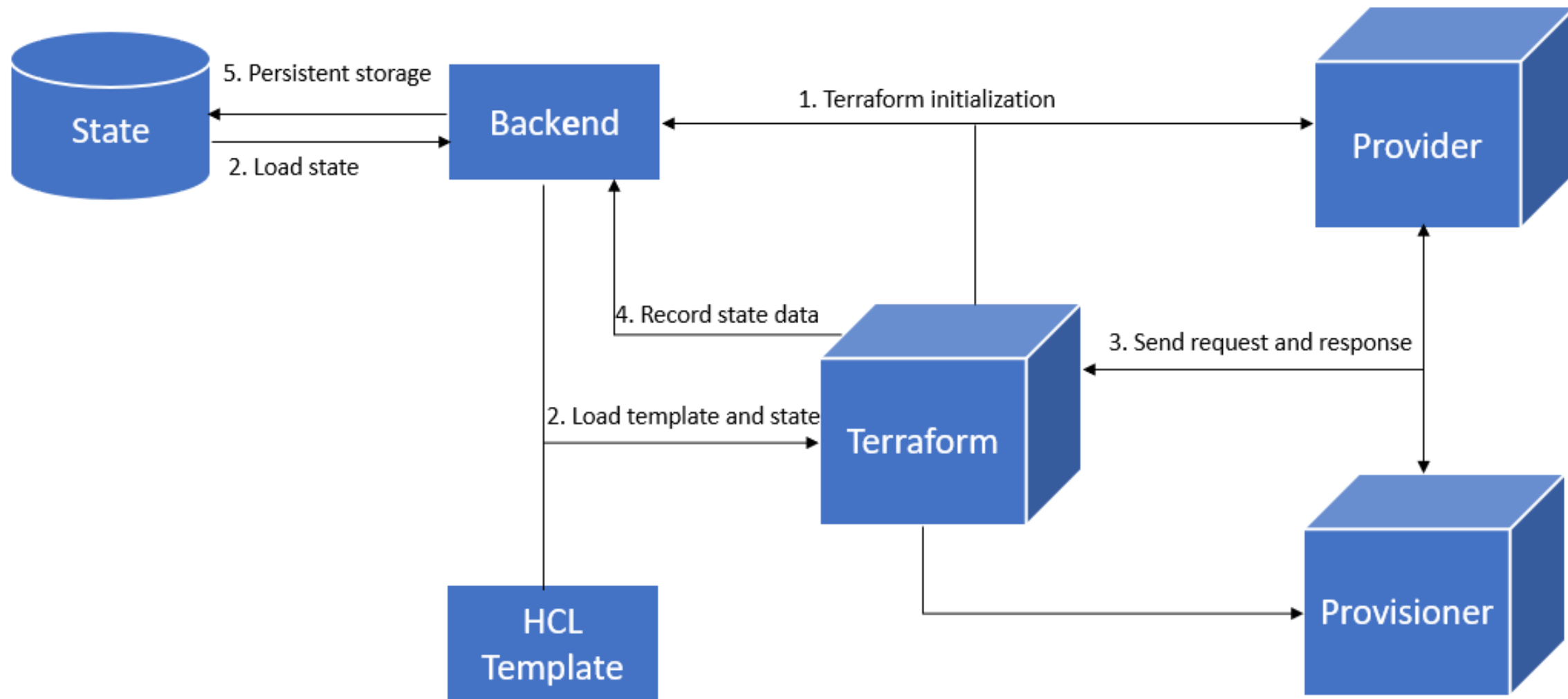


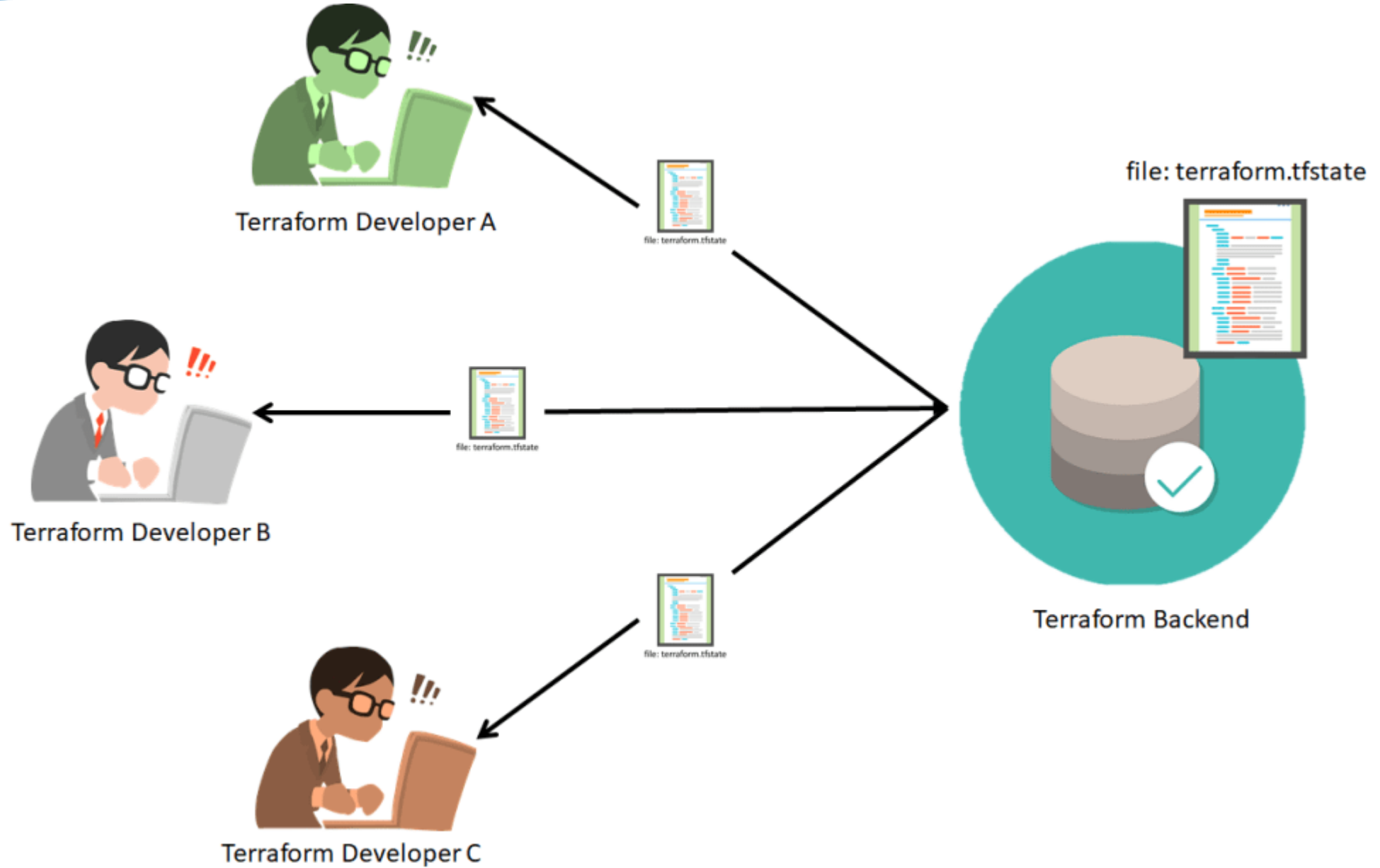
Terraform Backend

Each Terraform configuration can specify a backend, which defines where and how operations are performed, where state snapshots are stored, etc.

Simple workflow

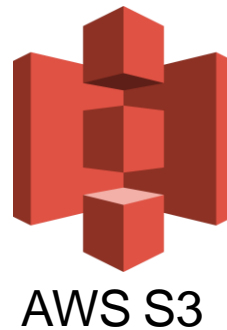






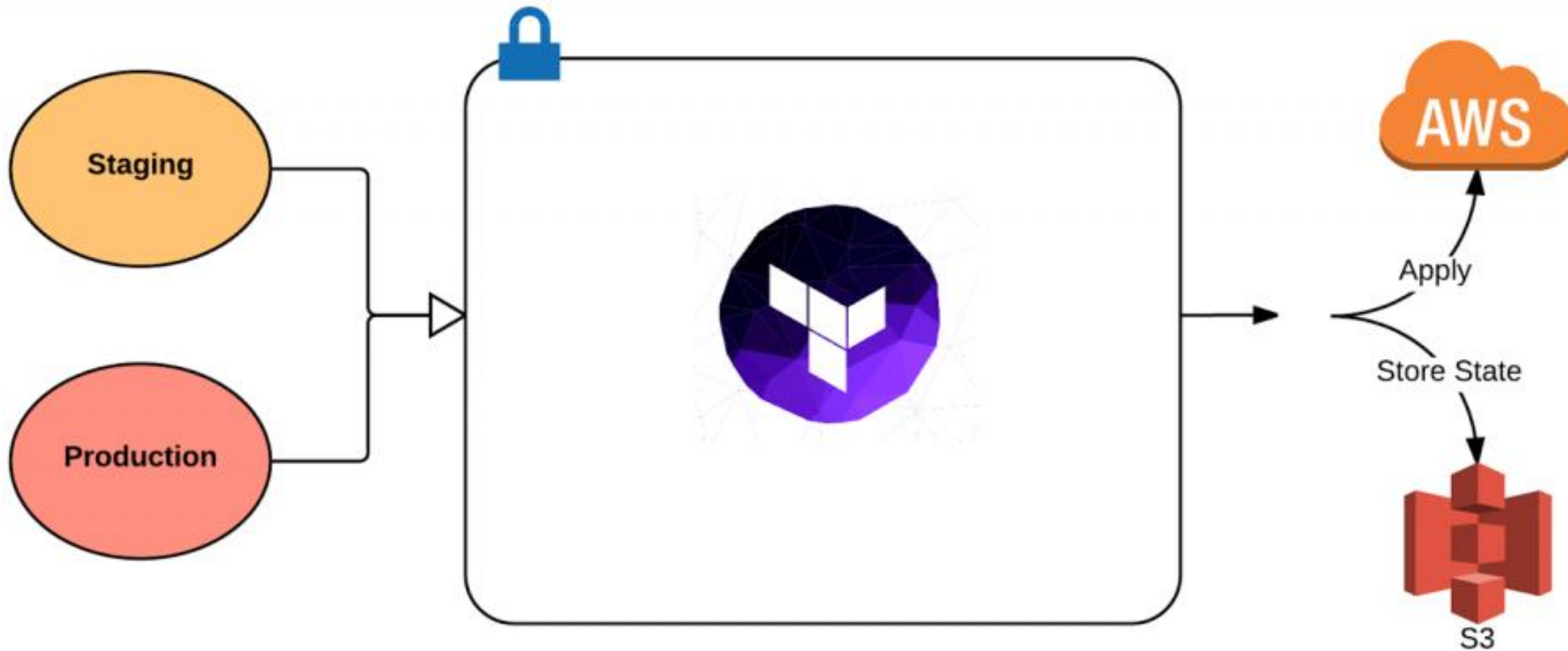
Terraform Backends

- Locking
- Workspaces (former known as environments)
- Encryption at rest
- Versioning
- Note: Backend configuration doesn't support interpolations.



There are two areas of Terraform's behavior that are determined by the backend:

- Where state is stored.
 - Where operations are performed.
-



- artifactory
 - azurerm
 - consul
 - cos
 - etcd
 - etcdv3
 - gcs
 - http
 - kubernetes
 - manta
 - oss
 - pg
 - s3
 - swift
-

Using the backend functionality has definitely benefits:

- Working in a team: it allows for collaboration, the remote state will always be available for the whole team
- The state file is not stored locally. Possible sensitive information is now only stored in the remote state
- Some backends will enable remote operations. The terraform apply will then run completely remote. These are called the enhanced backends

(<https://www.terraform.io/docs/backends/types/index.html>)

There are 2 steps to configure a remote state:

- Add the backend code to a .tf file
- Run the initialization process