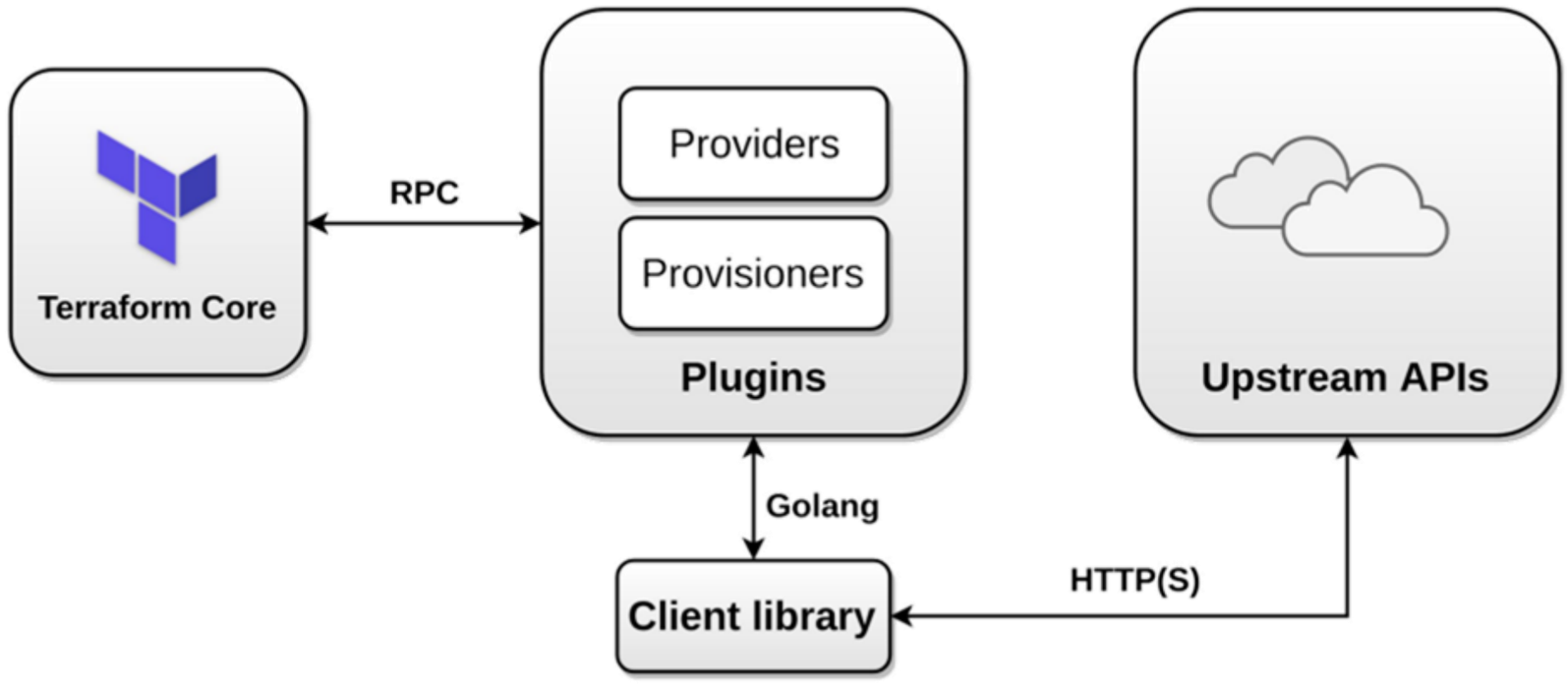
AWS Solutions Architect Associate

Session 701

Terraform for AWS

July/2024

Terraform – Cloud Agnostic Tool *

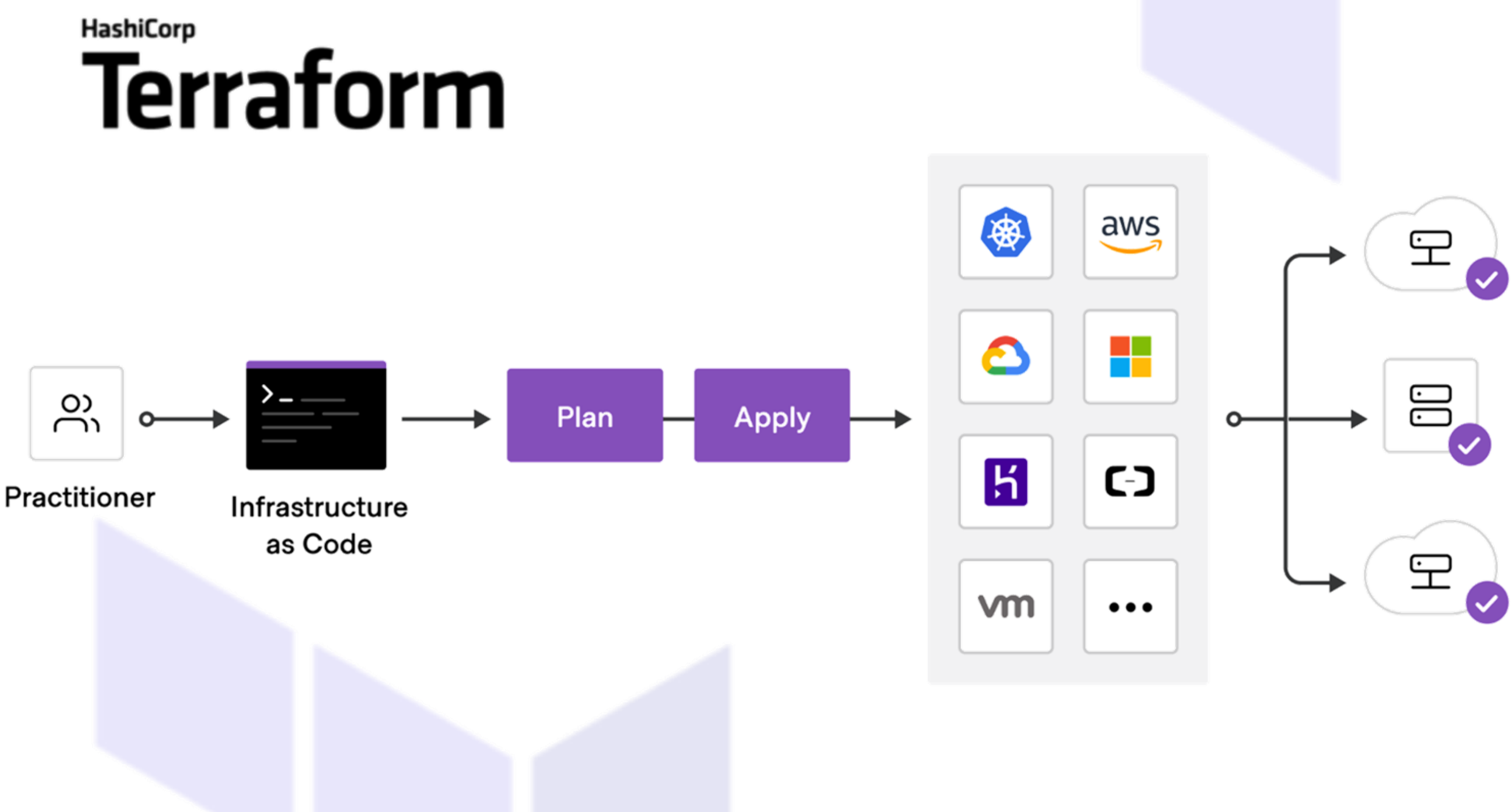


- It is not a golden bullet.

Provides a common language to orchestrate cloud resources and/or other providers.

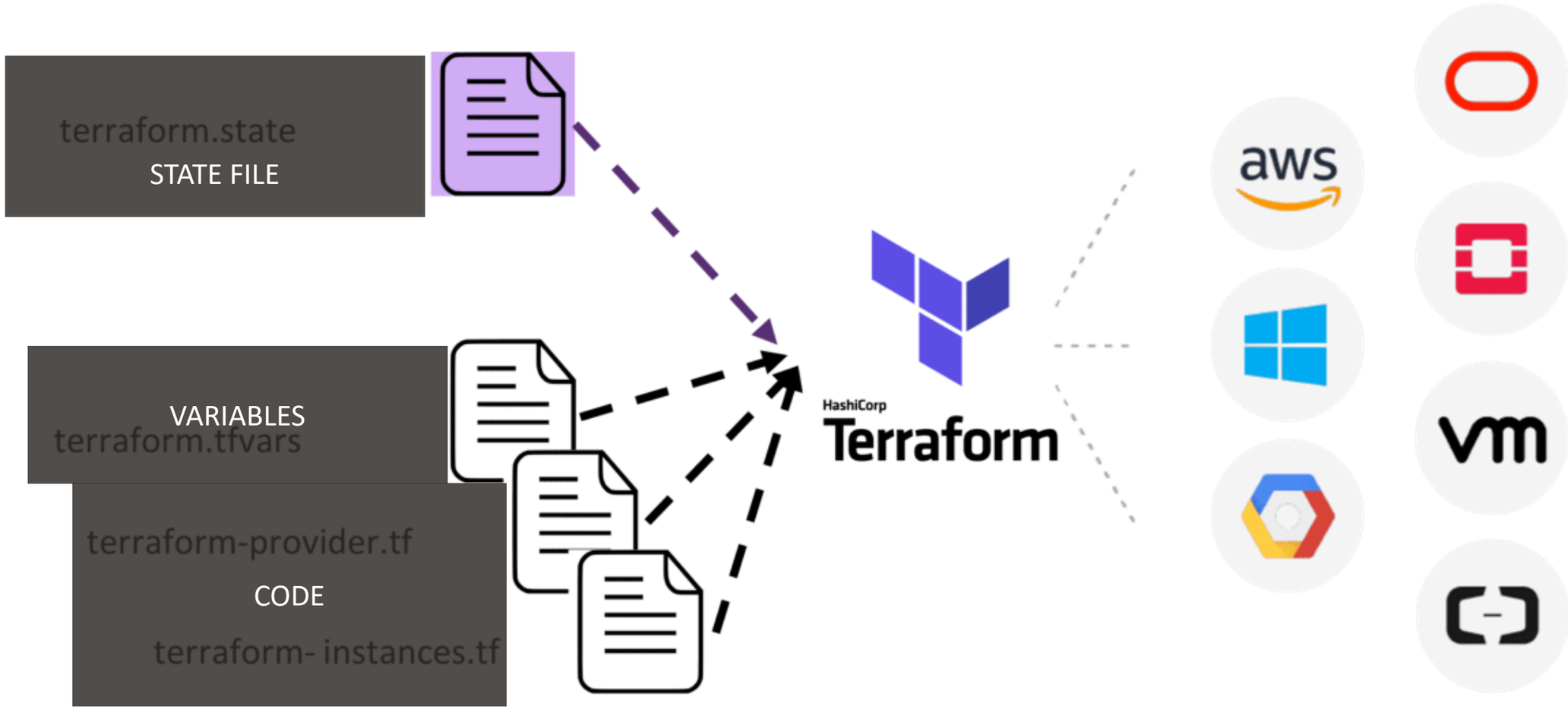
Taken from https://developer.hashicorp.com/terraform/tutorials/aws-get-started/infrastructure-as-code (29/07/2024)

Terraform – Cloud Agnostic Tool *

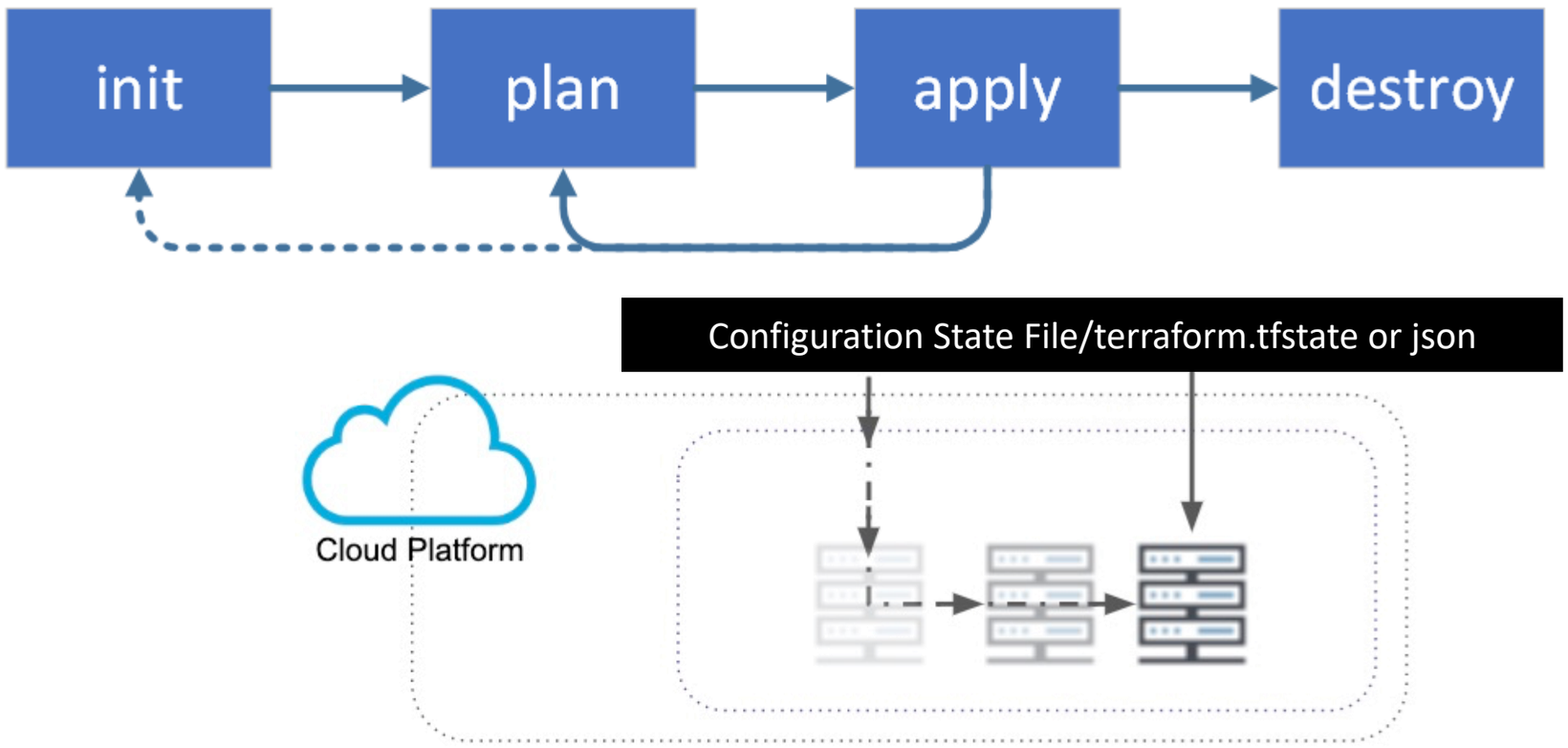


Taken from https://aws.amazon.com/waf/?nc=bc&pg=gs and https://aws.amazon.com/waf/getting-started/ (18/07/2024)

Files


terraform.state
STATE FILE
VARIABLES
terraform.tfvars
terraform-provider.tf
CODE
terraform- instances.tf
HashiCorp
Terraform
aws
vm

Simple Workflow



Variables

INPUT

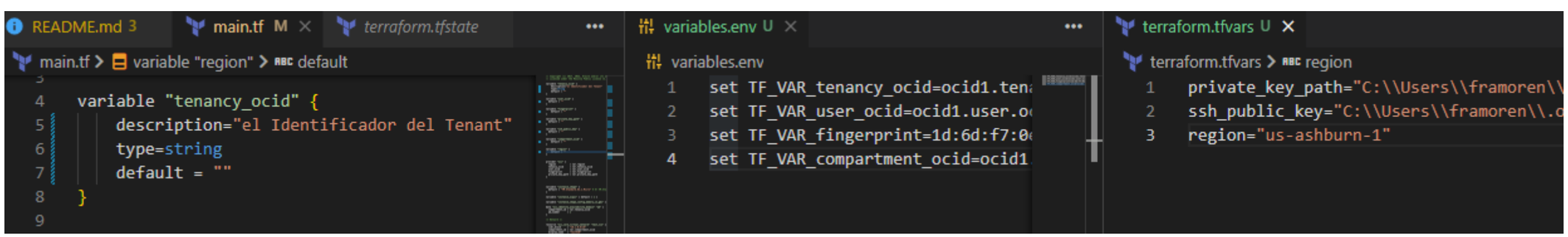
Define variables: from the CLI, file, environment variables.

Types of variables:

* Simple: string, number, bool
* Constructed: list, set, map, object, tuple.
* Validation: regexp, null

OUTPUT

Attributes: Sensitive



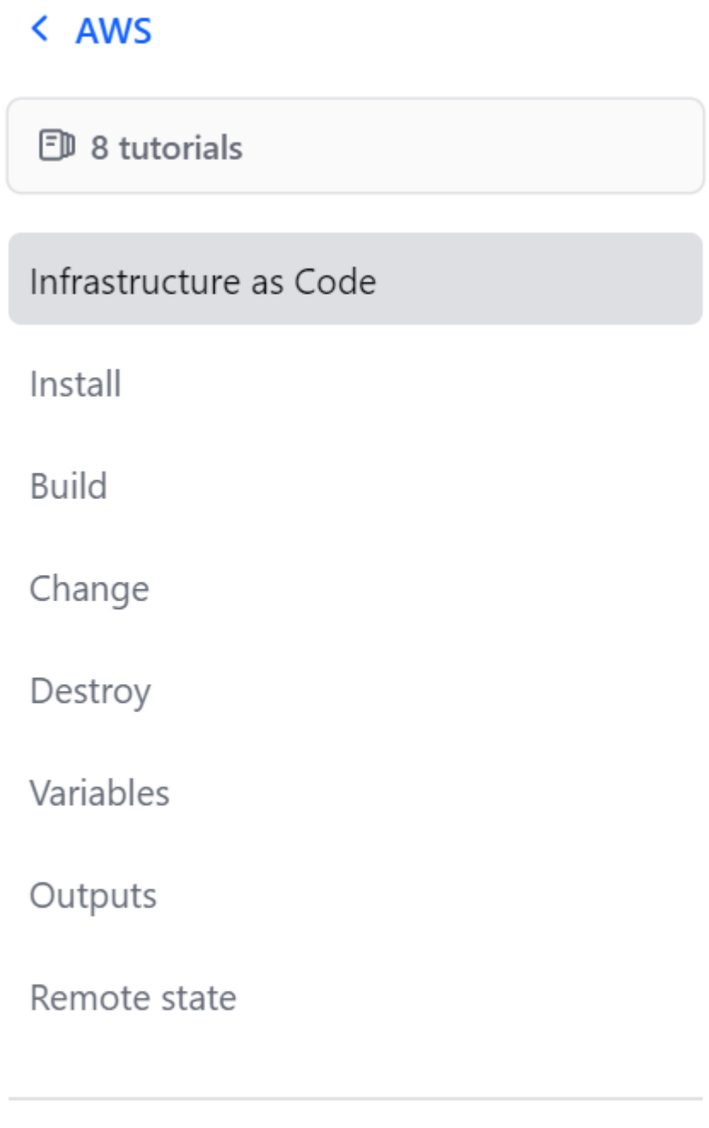
Components

variable
provider
data
resource
output

Module

Folder with code and has similar input and output

Terraform accesses TF files in the current folder only, does not enter to nested folders



Prerequisite: Region, default VPC, credentials

Workflow: Init, Apply,
Change AMI (Replace?)
Variables (Replace?)
Workflow: Destroy

Taken from
https://developer.hashicorp.com/terraform/tutorials/aws-get-started/infrastructure-as-code
(29/07/2024)