Dry Approach:

In software Engineering, don’t repeat yourself(DRY) is a principle of software development aimed at reducing repetition of software patterns.

In the earlier lecture,we were making static content into variable so that there can be single source of information.

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Centralized Structure:

We can centralize the terraform resource and can call out from TF files whenever required.

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Source module”source”

Resource “aws\_instance” “web” {

Ami = “ami-239807fen”

Instance\_type = “t2.micro”

Security\_group = [“default”]

}

Challenges:

One common need on infrastructure management is to build environments like staging, production with similar setup but keeping environment variable different.

Terraform Registry:

The terraform Registry is a repository of modules written by the terraform community.

The registry can help you get started with terraform more quickly.

Verified modules in terraform Regitry:

Verified modules are reviewed by hshicrop and actively maintained by contributors to stay up-to-date and compatible with both terraform and their repective providers.

The blue verification badge appears next to modules that are verified.

Module verification is currently a manual process restricted to a small group of trusted hashicrop partners.

Terraform Workspace:

Terraform allows us to have multiple workspaces, with each of the workspace we can have different set of environment variables associated.

#terraform workspace –h -🡪 details

#terraform workspace show -🡪 environment name showing

#terraform workspace new dev -🡪 creating

#terraform workspace new prod -🡪 creating

#terraform workspace list -🡪list of workspaces

#terraform workspace select dev -🡪 slect the workspace