Manual Guide

REQUIREMENTS: Terraform needs to be installed in your machine.

I. Installing and setting Vault

- 1. First download vault form: https://developer.hashicorp.com/vault/downloads.
- 2. The "./vault/data" directory that raft storage backend uses must exist in the same directory as the "config.hcl" file, so you must create it:

mkdir -p ./vault/data

3. vault server -config=<Path of your config.hcl file>

Then in another (terminal/cmd) tab run (don't close the first tab):

4. \$env:VAULT_ADDR = "http://127.0.0.1:8200"

5. vault operator init # when initializing Vault for the first time you will get the 5 Unseal

Keys and the Root Token preserve them in a secret place.

6. vault operator unseal # repeat the command three times (each time providing the

corresponding unsealing key).

7. vault login # provide the Initial Root Token

- 8. vault secrets enable aws
- 9. vault write aws/config/root \

access key=<YOUR AWS ACCESS KEY>\

secret_key=<YOUR_AWS_SECRET_KEY> \

region=<AWS_REGION>

10. vault write aws/roles/terraform-role credential type=iam user

policy arns=arn:aws:iam::aws:policy/AdministratorAccess

11. \$env:VAULT_TOKEN="your-vault-token"

II. Running Vault

after installing and setting up vault run the following commands to start and run the vault server:

1. vault server -config=<Path of your config.hcl file>

Then in another (terminal/cmd) tab run (don't close the first tab):

2. \$env:VAULT_ADDR = "http://127.0.0.1:8200"

3. vault operator init # when initializing Vault for the first time you will get the 5 Unseal

Keys and the Root Token preserve them in a secret place.

4. vault operator unseal # repeat the command three times (each time providing the

corresponding unsealing key).

5. vault login # provide the Initial Root Token

III. running Terraform

after running vault lets run Terraform with those commands:

- 1. terraform init
- 2. terraform plan
- 3. terraform apply # if you wish to apply this configuration enter yes.

NOTE: The "I. Installing and setting Vault" is done once and the others need to be done whenever you wish to run terraform.