Terraformer: This is the tool to create tf file from our existing resources,

Requirements: we should know OS Type, Terraform should be install Or you can install it.

Installation:

1. Go to this link and download binary as per your OS. <https://github.com/GoogleCloudPlatform/terraformer/releases>
2. Change the permission of file by chmod and add executive permission

chmod +x terraformer-AWS-linux-amd64

1. Than move to local bin and verfy it my give cmd terraformer –version or help

sudo mv terraformer-AWS-linux-amd64 /user/local/bin/terraformer

terraformer –version or terraformer –help

1. Copy the provider binary in your working dir ./terraformer.d/plugging/aws/ from below link

Go and find latest version inside that folder find appropriate zip for your system copy link and do wget

Wget <https://releases.hashicorp.com/terraform-provider-aws/3.70.0/terraform-provider-aws_3.70.0_linux_amd64.zip>

mv terraform-provider-aws\_3.70.0\_linux\_amd64.zip ~/.terraform.d/plugins/ linux \_amd64/

or

mv terraform-provider-aws\_3.70.0\_linux\_amd64.zip /home/ubuntu/.terraform.d/plugins/ linux \_amd64/

if this is showing error after creating provider.tf and version.tf do terraform init and download binary from below path and copy in /home/ubuntu/.terraform.d/plugins/

cd .terraform/providers/registry.terraform.io/hashicorp/aws/3.70.0/linux\_amd64

or we can use this script also

export PROVIDER=aws

export PROVIDER\_VERSION=3.33.0

export OS=linux

# Install terraformer

curl -LO https://github.com/GoogleCloudPlatform/terraformer/releases/download/$(curl -s https://api.github.com/repos/GoogleCloudPlatform/terraformer/releases/latest | grep tag\_name | cut -d '"' -f 4)/terraformer-${PROVIDER}-${OS}-amd64

chmod +x terraformer-${PROVIDER}-${OS}-amd64

sudo mv terraformer-${PROVIDER}-${OS}-amd64 /usr/local/bin/terraformer

# Install AWS provider

mkdir -p ~/.terraform.d/plugins/${OS}\_amd64

curl -L https://releases.hashicorp.com/terraform-provider-aws/${PROVIDER\_VERSION}/terraform-provider-aws\_${PROVIDER\_VERSION}\_${OS}\_amd64.zip -o terraform-provider-aws.zip

unzip terraform-provider-aws.zip

mv terraform-provider-aws\_v${PROVIDER\_VERSION}\* ~/.terraform.d/plugins/${OS}\_amd64/

After this create provider.tf in your local dir

provider "aws" {

access\_key = "AKIAtestESNADATY4V"

secret\_key = "JFkgaQLtestXZeJ1Te3hY2tx+vMhrViSrClgu"

region = "ap-south-1"

}

After this create version.tf

terraform {

required\_providers {

aws = {

source = "hashicorp/aws"

version = "~> 3.0"

}

}

}

Make sure you have download aws cli and pass the secret key by below cmd

aws configure

Now do terraform init

Now it will download your provider binary in below folder

cd .terraform/providers/registry.terraform.io/hashicorp/aws/3.70.0/linux\_amd64

same binary you can put in this folder **/home/ubuntu/.terraform.d/plugins/**

**Now we are doing plan to generate plan than we will import it in .it**

**terraformer plan aws --output hcl --resources="\*" --regions=ap-south-1**

**or**

**terraformer plan aws --output json --resources="\*" --regions=ap-south-1**

**In below cmd we are passing “\*” means all resources but we can pass particular resource also like ec2, vpc.**

**Now it will create generated folder**

**Inside that we have one plan.json we have import json file and create tf file. Like below**

**terraformer import plan generated/aws/terraformer/plan.json**

**now it will garnet all resource .tf file inside very folder in below folder**

**generated/aws/**

**All reference link :**

[**https://www.youtube.com/watch?v=GpjCF4yZU9A**](https://www.youtube.com/watch?v=GpjCF4yZU9A)

[**https://github.com/ned1313/terraform-tuesdays/blob/main/2021-03-01-Terraformer/commands.sh#L2**](https://github.com/ned1313/terraform-tuesdays/blob/main/2021-03-01-Terraformer/commands.sh#L2)

[**https://github.com/GoogleCloudPlatform/terraformer/blob/master/docs/aws.md**](https://github.com/GoogleCloudPlatform/terraformer/blob/master/docs/aws.md)

[**https://gist.github.com/Amet13/dd73d954b8a88abbfefaacd7a7ef03d4#file-terraformer\_install-sh**](https://gist.github.com/Amet13/dd73d954b8a88abbfefaacd7a7ef03d4#file-terraformer_install-sh)

[**https://faun.pub/terraformer-5036241f90cc**](https://faun.pub/terraformer-5036241f90cc)

[**https://releases.hashicorp.com/terraform-provider-aws/**](https://releases.hashicorp.com/terraform-provider-aws/)

[**https://registry.terraform.io/providers/hashicorp/aws/latest/docs**](https://registry.terraform.io/providers/hashicorp/aws/latest/docs)