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variables in Terraform

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=> Variables are used to store data in key-value format

id = 101

name = vinod

=> We can remove hard coded values from resources script using variables

=> Variables we can maintain in separate .tf file

Ex : vars.tf

# vars.tf

variable "ami" {

description = "Amazon machine image id"

default = "ami-0e53db6fd757e38c7"

}

variable "instance\_type" {

description = "Represens EC2 instance type"

default = "t2.micro"

}

variable "key\_name" {

description = ""

default = "awslab"

}

=> We can access variables in our resources script like below

resource "aws\_instance" "vinod\_ec2\_vm" {

ami = "${var.ami}"

instance\_type = "${var.instance\_type}"

key\_name = "${var.key\_name}"

security\_groups = ["default"]

tags = {

Name = "Linux-VM"

}

}

# provider.tf

provider "aws" {

region = "ap-south-1"

access\_key = "AKIA23WHUC7VOLG46UX6"

secret\_key = "duA6Wxsh0J+j9XfY5H49hqgX+ZLrPzXu/8b4/t/i2"

# main.tf

resource "aws\_instance" "vinod\_ec2\_vm" {

ami = "${var.ami}"

instance\_type = "${var.instance\_type}"

key\_name = "${var.key\_name}"

security\_groups = ["default"]

tags = {

Name = "Linux-VM"

}

}

==============================================================================

write terraform script using variable concept to create an ec2 instance in aws cloud platform

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# vars.tf

variable "ami" {

description = "Amazon machine image id"

default = "ami-0e53db6fd757e38c7"

}

variable "instance\_type" {

description = "Represens EC2 instance type"

default = "t2.micro"

}

variable "key\_name" {

description = ""

default = "awslab"

}

$ terraform init

Initialize terraform script

$ terraform validate

Verify terraform script syntax is valid or not

$ terraform fmt

Format terraform script indent spacing

$ terraform plan

Create execution plan for terraform script

# Terraform apply --auto-approve

Create ec2-instance resources in cloud based on plan and it will not ask the confirmation to proceed