Terraform Task

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**Batch : Batch 11**

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**Task : Injecting Variables for diff resources of random**

1. **inject values from different modes to different resources of random**

**ans:**

1. use different sources of input values (CLI, env vars, tfvars, auto.tfvars, default, etc.)
2. inject those values into **different random resources** like random\_pet, random\_string, and random\_id.

Inject values from the **different input modes**, each targeting to a **different resource**:

* **Decleration of Variables:**

variable "pet\_prefix" {

description = "Prefix for random\_pet"

type = string

default = "defaultpet"

}

variable "id\_prefix" {

description = "Prefix for random\_id"

type = string

}

variable "string\_length" {

description = "Length for random\_string"

type = number

}

variable "shuffle\_input" {

description = "List for random\_shuffle"

type = list(string)

}

variable "uuid\_keepers" {

description = "Value used to trigger regeneration"

type = string

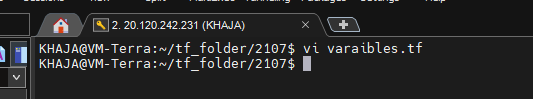
}

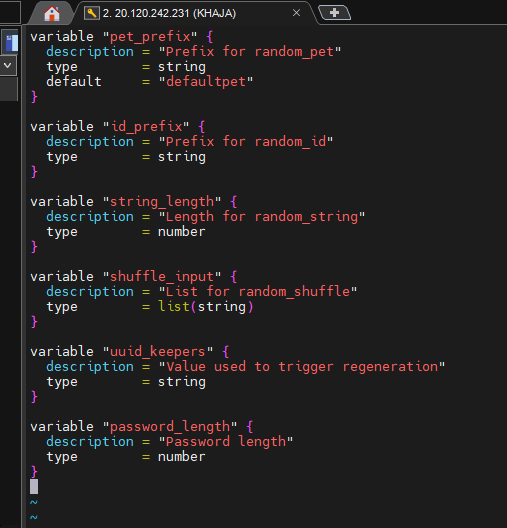
variable "password\_length" {

description = "Password length"

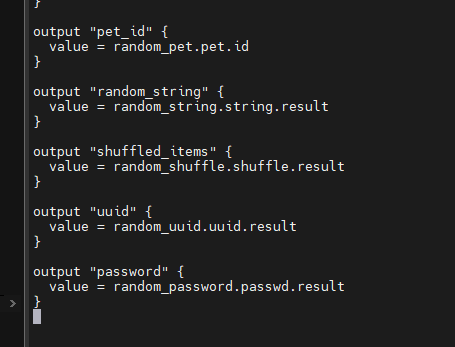
type = number

}





I will be assigning output variable in the same file variable.tf



Know create Resource Definitions

# 1. From default

resource "random\_pet" "pet" {

prefix = var.pet\_prefix

}

# 2. From terraform.tfvars

resource "random\_id" "id" {

prefix = var.id\_prefix

byte\_length = 4

}

# 3. From adi.auto.tfvars

resource "random\_string" "string" {

length = var.string\_length

special = false

}

# 4. From env variable

resource "random\_shuffle" "shuffle" {

input = var.shuffle\_input

result\_count = 2

}

# 5. From CLI -var

resource "random\_uuid" "uuid" {

keepers = {

version = var.uuid\_keepers

}

}

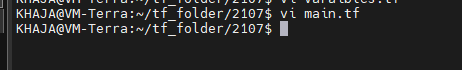
# 6. From CLI -var-file

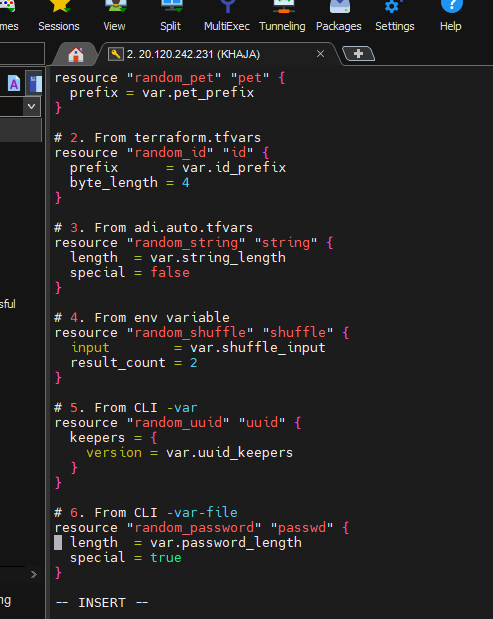
resource "random\_password" "passwd" {

length = var.password\_length

special = true

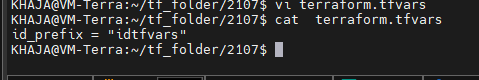
}

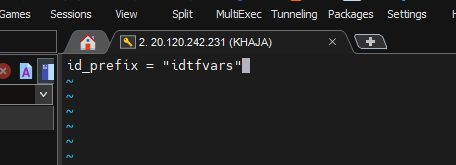




* **terraform.tfvars – Value for random\_id**

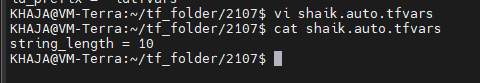
**id\_prefix = "idtfvars"**





* **shaik.auto.tfvars – Value for random\_string**

**string\_length = 10**



* **Export Env Variable for random\_shuffle**

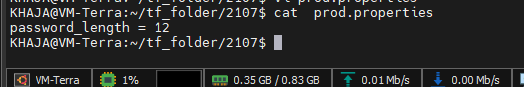
export TF\_VAR\_shuffle\_input='["apple", "banana", "cherry", "dates"]'



* **Create CLI -var-file for random\_password**

prod.properties

password\_length = 12



* **Run Terraform Apply**

terraform init

terraform apply \

-var="uuid\_keepers=fromcli" \

-var-file="prod.properties"

