School of Computer Science

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

DEHRADUN, UTTARAKHAND



System Monitoring and Configuration Management

Lab File

(2024)

for

6th Semester

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LAB EXERCISE 6

Aim: Terraform Multiple tfvars Files Objective:

Step 1: Create a instance.tf file

Step 2: Create a variable.tf file

```
EXPLORER
                                                           yariable.tf X
                                                                            dev.tfvars
                         Main.tf
                                          Instance.tf
> OPEN EDITORS
                          🚩 variable.tf > ધ variable "instance_count" > # default
                                variable "instance_ty"{
∨ SPCM_L... [1 日 ひ 自
                                     type = string
 > .terraform
 dev.tfvars

▼ Instance.tf

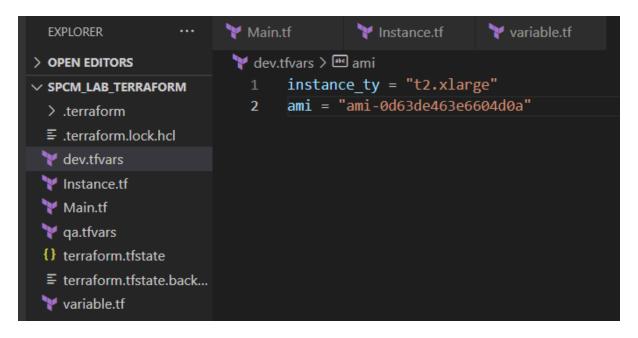
                                variable "ami"{
 Main.tf
                                     type = string
 🕎 qa.tfvars
 {} terraform.tfstate

    ■ terraform.tfstate.back...

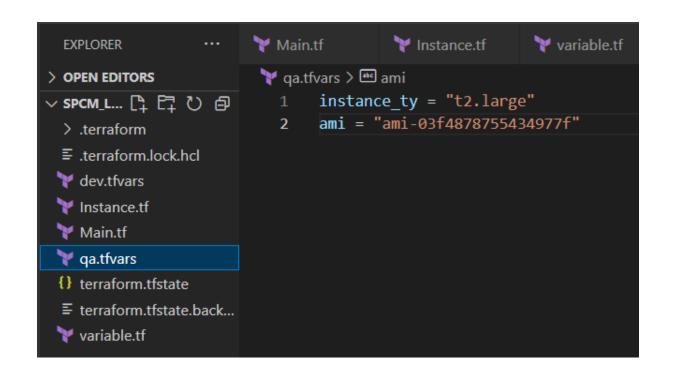
                                variable "instance_count"{
 variable.tf
                                     type = number
                                     default=1
                           13
```

Step 3: Create Multiple tfvars Files:

dev.tfvars



qa.tfvars



Step 4: Now initializes

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform init

Initializing the backend...

Initializing provider plugins...

Reusing previous version of hashicorp/aws from the dependency lock file

Using previously-installed hashicorp/aws v5.31.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.
```

F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform validate Success! The configuration is valid.

Step 5: Apply for Dev Environment

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform apply -var-file=dev.tfvars
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create
Terraform will perform the following actions:
  # aws_instance.My-instance_1[0] will be created
+ resource "aws_instance" "My-instance_1" {
                                                                        = "ami-0d63de463e6604d0a"
         + ami
+ arn
                                                                      = "ami-90630e463e66044

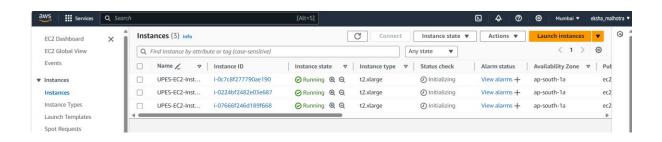
= (known after apply)

= (known after apply)

= (known after apply)
            associate_public_ip_address
availability_zone
            cpu_core_count
                                                                      - (known after apply)
= false
            cpu_threads_per_core
disable_api_stop
disable_api_termination
ebs_optimized
            get_password_data
            instance_state
instance_type
ipv6_address_count
                                                                      = (known after apply)
                                                                          "t2.xlarge"
(known after apply)
            ipv6_addresses
key_name
                                                                      = (known after apply)
= (known after apply)
                                                                          (known after apply)
(known after apply)
(known after apply)
            monitoring
            password_data
            placement_group
placement_partition_number
                                                                          (known after apply)
(known after apply)
                                                                     = (known after apply)
= (known after apply)
= (known after apply)
= (known after apply)
= (known after apply)
            primary_network_interface_id
private_dns
            private_ip
            public_dns
public_ip
            secondary_private_ips
security_groups
                                                                       = (known after apply)
= (known after apply)
            source_dest_check
spot_instance_request_id
                                                                       = true
                                                                       = (known after apply)
= (known after apply)
             subnet id
                   "Name" = "UPES-EC2-Instnace"
          tags_all
```

```
aws_instance.My-instance_3[0]: Creating...
aws_instance.My-instance_2[0]: Creating...
aws_instance.My-instance_3[0]: Still creating...
aws_instance.My-instance_3[0]: Still creating... [10s elapsed]
aws_instance.My-instance_1[0]: Still creating... [10s elapsed]
aws_instance.My-instance_2[0]: Still creating... [10s elapsed]
aws_instance.My-instance_3[0]: Creation complete after 14s [id=i-0c7c8f277790ae190]
aws_instance.My-instance_1[0]: Creation complete after 17s [id=i-07666f246d189f668]
aws_instance.My-instance_2[0]: Still creating... [20s elapsed]
aws_instance.My-instance_2[0]: Creation complete after 23s [id=i-0224bf2482e03e687]

Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
```



Step 6: Destroy Dev Environment

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform destroy -var-file=dev.tfvars aws_instance.My-instance.3[0]: Refreshing state... [id=i-0c7c8f277790ae190] aws_instance.My-instance.1[0]: Refreshing state... [id=i-07666f246d189f668] aws_instance.My-instance.2[0]: Refreshing state... [id=i-0224bf2482e03e687]
Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
- destroy
Terraform will perform the following actions:
  = true -> null
= "ap-south-la" -> null
           associate_public_ip_address
availability_zone
                                                            = "ap-south-la" -> null
= 4 -> null
= 1 -> null
= false -> null
           cpu_core_count
cpu_threads_per_core
disable_api_stop
disable_api_termination
ebs_optimized
           get_password_data
hibernation
          public_ip
secondary_private_ips
security_groups
- "default",
           source_dest_check
subnet_id
                                                             = true -> null
                                                             = "subnet-0fb95688eaa188f7d" -> null
= {
           tags
                 "Name" = "UPES-EC2-Instnace"
           tags_all
-- "Name" = "UPES-EC2-Instnace"
                                                             = {
           tenancy
                                                             = "default" -> null
```

```
= false -> null
user_data_replace_on_change
vpc_security_group_ids
                                     = [
   - "sg-0c6b5aae418c53ba2",
  ] -> null
- capacity_reservation_specification {
     capacity_reservation_preference = "open" -> null
- cpu_options {
    - core_count = 4 -> null
    - threads_per_core = 1 -> null
  }
- credit_specification {
    - cpu_credits = "standard" -> null
- enclave_options {
  - enabled = false -> null
- maintenance_options {
   - auto_recovery = "default" -> null
- metadata_options {

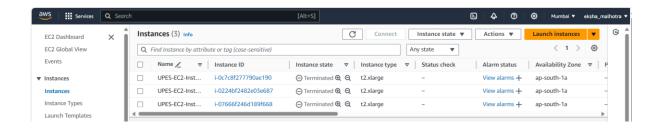
    http_endpoint

                               = "enabled" -> null
   - http_protocol_ipv6
                               = "disabled" -> null
    - http_put_response_hop_limit = 2 -> null
   http_tokens
                               = "required" -> null
    - instance_metadata_tags = "disabled" -> null
- private_dns_name_options {
    - enable_resource_name_dns_a_record = false -> null
     enable_resource_name_dns_aaaa_record = false -> null
    hostname_type
                                         = "ip-name" -> null
  }
- root_block_device {
   - delete_on_termination = true -> null
                   = "/dev/xvda" -> null
    – device_name
   encrypted
                         = false -> null
                          = 3000 -> null
    – iops
                         = {} -> null
    – tags
                         = 125 -> null

    throughput

    - volume_id
                          = "vol-0eb890ee6d0eb8c4a" -> null
    – volume_size
                         = 8 -> null
    volume_type
                          = "gp3" -> null
```

```
aws_instance.My-instance_3[0]: Destroying... [id=i-0c7c8f277790ae190]
aws_instance.My-instance_2[0]: Destroying... [id=i-0224bf2482e03e687]
aws_instance.My-instance_1[0]: Destroying... [id=i-07666f246d189f668]
aws_instance.My-instance_1[0]: Still destroying... [id=i-07666f246d189f668, 10s elapsed]
aws_instance.My-instance_2[0]: Still destroying... [id=i-0224bf2482e03e687, 10s elapsed]
aws_instance.My-instance_3[0]: Still destroying... [id=i-0c7c8f277790ae190, 10s elapsed]
aws_instance.My-instance_3[0]: Still destroying... [id=i-0c7c8f277790ae190, 21s elapsed]
aws_instance.My-instance_3[0]: Still destroying... [id=i-0c7c8f277790ae190, 21s elapsed]
aws_instance.My-instance_3[0]: Still destroying... [id=i-07666f246d189f668, 21s elapsed]
aws_instance.My-instance_3[0]: Still destroying... [id=i-0c7c8f277790ae190, 31s elapsed]
aws_instance.My-instance_2[0]: Still destroying... [id=i-0224bf2482e03e687, 31s elapsed]
aws_instance.My-instance_1[0]: Still destroying... [id=i-07666f246d189f668, 31s elapsed]
aws_instance.My-instance_2[0]: Destruction complete after 32s
aws_instance.My-instance_3[0]: Destruction complete after 32s
aws_instance.My-instance_1[0]: Destruction complete after 32s
aws_instance.My-instance_3[0]: Destruction complete after 32s
aws_instance.My-instance_3[0]: Destruction complete after 32s
aws_instance.My-instance_3[0]: Destruction complete after 32s
```



Step 7: Apply for Qa Environment

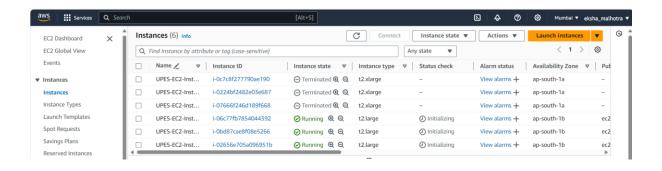
```
+ "Name" = "UPES-EC2-Instnace"
     }
   + tenancy
                                          = (known after apply)
   + user_data
                                          = (known after apply)
   + user_data_base64
                                          = (known after apply)
                                          = false
   + user_data_replace_on_change
    + vpc_security_group_ids
                                          = (known after apply)
# aws_instance.My-instance_2[0] will be created
+ resource "aws_instance" "My-instance_2" {
                                           = "ami-03f4878755434977f"
   + ami
   + arn
                                          = (known after apply)
                                          = (known after apply)
   + associate_public_ip_address
                                          = (known after apply)
   + availability_zone
                                          = (known after apply)
   + cpu_core_count
   + cpu_threads_per_core
                                          = (known after apply)
   + disable_api_stop
                                          = (known after apply)
    + disable_api_termination
                                          = (known after apply)
                                          = (known after apply)
    + ebs_optimized
                                          = false
    + get_password_data
                                          = (known after apply)
    + host_id
                                          = (known after apply)
    + host_resource_group_arn
                                          = (known after apply)
    + iam_instance_profile
                                          = (known after apply)
    + instance_initiated_shutdown_behavior = (known after apply)
                                           = (known after apply)
    + instance_lifecycle
                                          = (known after apply)
    + instance_state
   + instance_type
                                          = "t2.large"
                                          = (known after apply)
   + ipv6_address_count
   + ipv6_addresses
                                          = (known after apply)
                                          = (known after apply)
   + key_name
                                          = (known after apply)
   + monitoring
                                          = (known after apply)
   + outpost_arn
                                          = (known after apply)
   + password_data
   + placement_group
                                          = (known after apply)
   + placement_partition_number
                                          = (known after apply)
   + primary_network_interface_id
                                          = (known after apply)
   + private_dns
                                          = (known after apply)
   + private_ip
                                          = (known after apply)
   + public_dns
                                          = (known after apply)
                                          = (known after apply)
   public_ip
                                          = (known after apply)
   + secondary_private_ips
   + security_groups
                                          = (known after apply)
   + source_dest_check
                                          = true
   + spot_instance_request_id
                                          = (known after apply)
   + subnet_id
                                          = (known after apply)
    + tags
        + "Name" = "UPES-EC2-Instnace"
```

```
= (known after apply)
   + tenancy
   + user_data
                                           = (known after apply)
                                           = (known after apply)
   + user_data_base64
   + user_data_replace_on_change
                                           = false
    + vpc_security_group_ids
                                           = (known after apply)
# aws_instance.My-instance_3[0] will be created
+ resource "aws_instance" "My-instance_3" {
                                           = "ami-03f4878755434977f"
   + ami
                                           = (known after apply)
   + arn
   + associate_public_ip_address
                                           = (known after apply)
                                           = (known after apply)
   + availability_zone
                                          = (known after apply)
   + cpu_core_count
                                          = (known after apply)
   + cpu_threads_per_core
                                          = (known after apply)
   + disable_api_stop
                                          = (known after apply)
   + disable_api_termination
                                          = (known after apply)
   + ebs_optimized
   + get_password_data
                                          = false
   + host_id
                                          = (known after apply)
                                          = (known after apply)
   + host_resource_group_arn
   + iam_instance_profile
                                          = (known after apply)
   + id
                                           = (known after apply)
   + instance_initiated_shutdown_behavior = (known after apply)
                                           = (known after apply)
   + instance_lifecycle
                                           = (known after apply)
   + instance_state
                                           = "t2.large"
   + instance_type
                                           = (known after apply)
   + ipv6_address_count
                                           = (known after apply)
   + ipv6_addresses
   + key_name
                                          = (known after apply)
   + monitoring
                                          = (known after apply)
   + outpost_arn
                                          = (known after apply)
   + password_data
                                          = (known after apply)
   + placement_group
                                          = (known after apply)
   + placement_partition_number
                                          = (known after apply)
   + primary_network_interface_id
                                          = (known after apply)
                                          = (known after apply)
   + private_dns
   + private_ip
                                          = (known after apply)
   + public_dns
                                          = (known after apply)
   + public_ip
                                          = (known after apply)
   + secondary_private_ips
                                          = (known after apply)
                                          = (known after apply)
   + security_groups
   + source_dest_check
                                          = true
   + spot_instance_request_id
                                          = (known after apply)
   + subnet_id
                                           = (known after apply)
                                           = {
    + tags
        + "Name" = "UPES-EC2-Instnace"
    + tags_all
                                           = {
       + "Name" = "UPES-EC2-Instnace"

    tenancy

                                           = (known after apply)
                                           = (known after apply)
   + user_data
   + user_data_base64
                                          = (known after apply)
   + user_data_replace_on_change
                                           = false
    + vpc_security_group_ids
                                           = (known after apply)
```

```
= (known after apply)
      + outpost_arn
      + password_data
                                               = (known after apply)
      + placement_group
                                               = (known after apply)
      + placement_partition_number
                                               = (known after apply)
      + primary_network_interface_id
                                               = (known after apply)
                                               = (known after apply)
      + private_dns
                                               = (known after apply)
      + private_ip
      + public_dns
                                               = (known after apply)
      + public_ip
                                               = (known after apply)
      + secondary_private_ips
                                               = (known after apply)
      + security_groups
                                               = (known after apply)
      + source_dest_check
                                               = true
      + spot_instance_request_id
                                               = (known after apply)
      + subnet_id
                                               = (known after apply)
      + tags
            "Name" = "UPES-EC2-Instnace"
      + tags_all
                                               = {
          + "Name" = "UPES-EC2-Instnace"
      + tenancy
                                               = (known after apply)
      + user_data
                                               = (known after apply)
      + user_data_base64
                                               = (known after apply)
      + user_data_replace_on_change
                                              = false
      + vpc_security_group_ids
                                              = (known after apply)
Plan: 3 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.
  Enter a value: yes
aws_instance.My-instance_1[0]: Creating...
aws_instance.My-instance_2[0]: Creating...
aws_instance.My-instance_3[0]: Creating...
aws_instance.My-instance_3[0]: Still creating... [10s elapsed]
aws_instance.My-instance_2[0]: Still creating... [10s elapsed]
aws_instance.My-instance_1[0]: Still creating... [10s elapsed]
aws_instance.My-instance_2[0]: Creation complete after 18s [id=i-0bd87cae8f08e5266]
aws_instance.My-instance_1[0]: Still creating... [20s elapsed]
aws_instance.My-instance_3[0]: Still creating... [20s elapsed]
aws_instance.My-instance_3[0]: Creation complete after 23s [id=i-02656e705a096951b]
aws_instance.My-instance_1[0]: Creation complete after 24s [id=i-06c77fb7854044392]
Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
```



Step 8: Destroy for Qa Environment

```
F:\SEM 6\SPCM_LAB\SPCM_LAB_TERRAFORM>terraform destroy -var-file=qa.tfvars aws_instance.My-instance.3[0]: Refreshing state... [id=i-02656e705a096951b] aws_instance.My-instance.1[0]: Refreshing state... [id=i-06c77fb7854044392] aws_instance.My-instance.2[0]: Refreshing state... [id=i-0bd87cae8f08e5266]
  Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
  Terraform will perform the following actions:
       # aws_instance.My-instance_1[0] will be destroyed
resource "aws_instance" "My-instance_1" {
    ami = "ami-03f4878755434977f" -> null
    ami-03f4878755434977f" -> null
    ami-03f487875544977f" -> null
    ami-03f487875544977f" -> null
    ami-03f48787554497f" -> null
    ami-03f48787554497f" -> null
    ami-03f4878754497f" -> null
    ami-03f4878754497f" -> null
    ami-03f4878764497f" -> null
    ami-03f487876497f" -> null

                                                                                                                                                              = "arn:aws:ec2:ap-south-1:637423348062:instance/i-06c77fb7854044392" -> null
                             associate_public_ip_address
                             availability_zone
cpu_core_count
                                                                                                                                                                      "ap-south-1b" -> null
                                                                                                                                                            = "ap-south-lb"
= 2 -> null
= 1 -> null
= false -> null
= false -> null
= false -> null
                             cpu_threads_per_core
disable_api_stop
                            disable_api_termination
ebs_optimized
get_password_data
hibernation
                                                                                                                                                               = false -> null
                                                                                                                                                                      false -> null
"i-06c77fb7854044392" -> null
                             id - 1-00.735 |
instance_initiated_shutdown_behavior = "stop" -> null
instance_state = "running" -> null
instance_type = "t2.large" -> null
                             instance_state
instance_type
ipv6_address_count
                                                                                                                                                          = "t2.targs
= 0 -> null
= [] -> null
= false -> null
= 0 -> null
                              ipv6_addresses
monitoring
                                                                                                                                                     = false -> null
= 0 -> null
= "eni-010cd9a787ae74d6b" -> null
= "ip-172-31-0-9.ap-south-1.compute.internal" -> null
= "172.31.0.9" -> null
= "ec2-3-109-122-109.ap-south-1.compute.amazonaws.com" -> null
                             placement_partition_number
primary_network_interface_id
                             private_dns
private_ip
public_dns
                                                                                                                                                              = "3.109.122.109" -> null
= [] -> null
= [
                              public_ip
                             secondary_private_ips
security_groups
- "default",
                                                                                                                                                              = true -> null
= "subnet-0e5f5e3d310ebacda" -> null
                              source_dest_check
                              subnet_id
                             tags
- "Name" = "UPES-EC2-Instnace"
                              } -> null
tags_all
                                                                                                                                                               = {
                             - "Name" = "UPES-EC2-Instrace"
} -> null
                                                                                                                                                            = "default" -> null
= false -> null
= [
                             tenancy
user_data_replace_on_change
                             vpc_security_group_ids
- "sg-0c6b5aae418c53ba2",
                             capacity_reservation_specification {
```

```
- tenancy
                                          = "default" -> null
   - user_data_replace_on_change
                                         = false -> null
    vpc_security_group_ids
                                          = [
          "sg-0c6b5aae418c53ba2",
     ] -> null
    - capacity_reservation_specification {
        - capacity_reservation_preference = "open" -> null
   - cpu_options {
      core_count
                        = 2 -> null
       - threads_per_core = 1 -> null
      }
   - credit_specification {
        cpu_credits = "standard" -> null
   - enclave_options {
       - enabled = false -> null
    - maintenance_options {
        - auto_recovery = "default" -> null
    - metadata_options {

    http_endpoint

                                     = "enabled" -> null
        - http_protocol_ipv6
                                     = "disabled" -> null
        - http_put_response_hop_limit = 1 -> null
                                  = "optional" -> null
        http_tokens
        - instance_metadata_tags = "disabled" -> null
      }
    - private_dns_name_options {
       - enable_resource_name_dns_a_record = false -> null
       - enable_resource_name_dns_aaaa_record = false -> null
                                              = "ip-name" -> null
        hostname_type
      }
    - root_block_device {
        - delete_on_termination = true -> null
        - device_name = "/dev/sda1" -> null
                              = false -> null
       encrypted
                              = 100 -> null
       iops
                              = {} -> null
       – tags
                             = 0 -> null
= "vol-0634da595e19b341c" -> null
       throughput
       volume_id
       volume_size
                              = 8 -> null
                              = "gp2" -> null
        volume_type
  }
# aws_instance.My-instance_2[0] will be destroyed
- resource "aws_instance" "My-instance_2" {
```

```
= "arn:aws:ec2:ap-south-1:637423348062:instance/i-0bd87cae8f08e5266" -> null
       arn
                                                     = true -> null
= "ap-south-1b" -> null
       associate_public_ip_address
       availability_zone
                                                     = 2 -> null
= 1 -> null
       cpu_core_count
       cpu_threads_per_core
                                                     = false -> null
= false -> null
= false -> null
= false -> null
       disable_api_stop
disable_api_termination
       ebs_optimized
       get_password_data
                                                     = false -> null
= "i-0bd87cae8f08e5266" -> null
       hibernation
       id = "1-obdorcacoron" -> null instance_initiated_shutdown_behavior = "stop" -> null instance_state = "running" -> null instance_type = "t2.large" -> null
                                                    = 0 -> null
= [] -> null
       ipv6_address_count
ipv6_addresses
                                                     = false -> null
       monitoring
                                                    = 0 -> null
= "eni-00149d125eaa4e34c" -> null
       placement_partition_number
       primary_network_interface_id
                                                     = "ip-172-31-3-20.ap-south-1.compute.internal" -> null
= "172.31.3.20" -> null
       private_dns
       private_ip
                                                     = "ec2-13-127-101-41.ap-south-1.compute.amazonaws.com" -> null
= "13.127.101.41" -> null
       public_dns
       public_ip
                                                     = [] -> null
= [
       secondary_private_ips
       security_groups
- "default",
                                                     = true -> null
= "subnet-0e5f5e3d310ebacda" -> null
       source_dest_check
       subnet_id
       tags
- "Name" = "UPES-EC2-Instnace"
       } -> null
       tags_all
- "Name" = "UPES-EC2-Instnace"
                                                     = {
       tenancy
user_data_replace_on_change
                                                     = "default" -> null
                                                    = false -> null
       vpc_security_group_ids
- "sg-0c6b5aae418c53ba2",
       capacity_reservation_specification {
            capacity_reservation_preference = "open" -> null
       cpu_options {
            core_count = 2 -> null
threads_per_core = 1 -> null
       credit_specification {
```

```
core_count = 2 -> null
                threads_per_core = 1 -> null
         credit_specification {
  - cpu_credits = "standard" -> null
        enclave_options {
   - enabled = false -> null
         maintenance_options {
  - auto_recovery = "default" -> null
        metadata_options {
                http_protocol_ipv6 = "enabled" -> null
http_protocol_ipv6 = "disabled" -> null
http_put_response_hop_limit = 1 -> null
http_tokens = "optional" -> null
instance_metadata_tags = "disabled" -> null
        private_dns_name_options {
     - enable_resource_name_dns_a_record = false -> null
                enable_resource_name_dns_aaaa_record = false -> null
hostname_type = "ip-name" -> null
                hostname_type
       root_block_device {
    - delete_on_termination = true -> null
    - device_name = "/dev/sda1" -> null
    - encrypted = false -> null
    - iops = 100 -> null
    - tags = {} -> null
    - throughput = 0 -> null
    - volume_id = "vol-0afbbb2fbd6ece80d" -> null
    - volume_size = 8 -> null
    - "gp2" -> null

= "arn:aws:ec2:ap-south-1:637423348062:instance/i-02656e705a096951b" -> null
          arn
          associate_public_ip_address
                                                                       = true -> null
                                                                       = "ap-south-1b" -> null
= 2 -> null
= 1 -> null
          availability_zone
         cpu_core_count
cpu_threads_per_core
disable_api_stop
                                                                      = false -> null
= false -> null
= false -> null
= false -> null
          disable_api_termination
          ebs_optimized
          get_password_data
          hibernation
                                                                        = false -> null
```

```
instance_initiated_shutdown_behavior = "stop" -> null
                                         = "running" -> null
  instance_state
                                         = "t2.large" -> null
  instance_type
  ipv6_address_count
                                         = 0 -> null
                                         = [] -> null
  ipv6 addresses
  monitoring
                                         = false -> null
  placement_partition_number
                                         = "eni-015d5dca14a82d6a5" -> null
  primary_network_interface_id
                                         = "ip-172-31-2-204.ap-south-1.compute.internal" -> null
  private_dns
                                         = "172.31.2.204" -> null
  private_ip
                                         = "ec2-3-108-234-86.ap-south-1.compute.amazonaws.com" -> null
  public_dns
                                         = "3.108.234.86" -> null
= [] -> null
= [
  public_ip
  secondary_private_ips
  security_groups
     - "default",
  source_dest_check
                                         = true -> null
                                         = "subnet-0e5f5e3d310ebacda" -> null
  subnet_id
 tags
     "Name" = "UPES-EC2-Instnace"
  } -> null
  tags_all
    - "Name" = "UPES-EC2-Instnace"
                                         = "default" -> null
  tenancv
  user_data_replace_on_change
                                         = false -> null
 vpc_security_group_ids
- "sg-0c6b5aae418c53ba2",
- capacity_reservation_specification {
     capacity_reservation_preference = "open" -> null
  cpu_options {
    - core_count = 2 -> null
- threads_per_core = 1 -> null
- credit_specification {
    - cpu_credits = "standard" -> null
  enclave_options {
     enabled = false -> null
- maintenance_options {
    - auto_recovery = "default" -> null
  metadata_options {
                                    = "enabled" -> null
      http_endpoint
      http_protocol_ipv6
                                    = "disabled" -> null
      http_put_response_hop_limit = 1 -> null
                                   = "optional" -> null
      http_tokens
```

```
metadata_options {
                                           = "enabled" -> null
             http_endpoint
             http_protocol_ipv6
                                           = "disabled" -> null
             http_put_response_hop_limit = 1 -> null
                                           = "optional" -> null
             http_tokens
                                           = "disabled" -> null
             instance_metadata_tags
        private_dns_name_options {
             enable_resource_name_dns_a_record = false -> null
             enable_resource_name_dns_aaaa_record = false -> null
                                                     = "ip-name" -> null
             hostname_type
      - root_block_device {
           - delete_on_termination = true -> null
             device_name = "/dev/sda1" -> null
                                    = false -> null
= 100 -> null
           encrypted
           iops
           – tags
                                    = {} -> null

    throughput

                                   = 0 -> null
                                    = "vol-010656a1835c8dbff" -> null
             volume_id
                                    = 8 -> null
             volume_size
                                   = "gp2" -> null
             volume_type
    }
Plan: 0 to add, 0 to change, 3 to destroy.
Do you really want to destroy all resources?
  Terraform will destroy all your managed infrastructure, as shown above.
  There is no undo. Only 'yes' will be accepted to confirm.
  Enter a value: yes
aws_instance.My-instance_2[0]: Destroying... [id=i-0bd87cae8f08e5266]
aws_instance.My-instance_3[0]: Destroying... [id=i-02656e705a096951b]
aws_instance.My-instance_1[0]: Destroying... [id=i-06c77fb7854044392]
aws_instance.My-instance_1[0]: Still destroying... [id=i-06c77fb7854044392, 10s elapsed]
aws_instance.My-instance_3[0]: Still destroying... [id=i-02656e705a096951b, 10s elapsed]
aws_instance.My-instance_1[0]: Still destroying... [id=i-06c77fb7854044392, 20s elapsed]
aws_instance.My-instance_1[0]: Still destroying... [id=i-00c77fb7854044592, 20s etapsed] aws_instance.My-instance_1[0]: Still destroying... [id=i-0bd87cae8f08e5266, 30s elapsed] aws_instance.My-instance_3[0]: Still destroying... [id=i-02c56e705a096951b, 30s elapsed]
aws_instance.My-instance_2[0]: Destruction complete after 33s
aws_instance.My-instance_1[0]: Destruction complete after 33s
aws_instance.My-instance_3[0]: Destruction complete after 33s
Destroy complete! Resources: 3 destroyed.
```

