Module-12: Provisioning Infrastructure using Terraform Part-II

Demo Document - 1

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DEMO-1: Terraform State Subcommands

Here, we will demonstrate the list, pull, show, and rm subcommands.

1. To list all the resources in the current state

   Syntax: terraform state list

   ```
   ubuntu@ip-172-31-19-127:~/terra$ terraform state list
   aws_instance.Terraform-instance1
   aws_instance.Terraform-instance2
   ```

2. To pull and display the current state

   Syntax: terraform state pull

   ```
   ubuntu@ip-172-31-19-127:~/terra$ terraform state pull
   {
     "version": 4,
     "terraform_version": "0.15.3",
     "serial": 28,
     "lineage": "608bc437-79ad-fa74-406b-ded9ccef2c24",
     "outputs": {},
     "resources": [
       {
         "mode": "managed",
         "type": "aws_instance"
   ```

3. To show details about a particular resource in the state

   Syntax: terraform state show <resource name from the list>

   ```
   ubuntu@ip-172-31-19-127:~/terra$ terraform state show aws_instance.Terraform-instance2
   # aws_instance.Terraform-instance2:
   resource "aws_instance" "Terraform-instance2" {
       ami                                  = "ami-00399ec92321828f5"
       arn                                  = "arn:aws:ec2:us-east-2:763612999135:instance/
       associate_public_ip_address          = true
       availability_zone                     = "us-east-2a"
       cpu_core_count                        = 1
       cpu_threads_per_core                  = 1
       disable_api_termination               = false
       ebs_optimized                         = false
       get_password_data                     = false
       hibernation                           = false
       id                                    = "i-03635ae7f16d53fdc"
       instance_initiated_shutdown_behavior  = "stop"
       instance_state                        = "running"
       instance_type                         = "t2.micro"
       ipv6_address_count                    = 0
   ```

4. To remove an object from the state

    Syntax: terraform state rm <name of the resource from the list>

```
ubuntu@ip-172-31-19-127:~/terra$ terraform state rm aws_instance.Terraform-instance1
Removed aws_instance.Terraform-instance1
Successfully removed 1 resource instance(s).
ubuntu@ip-172-31-19-127:~/terra$ terraform state list
aws_instance.Terraform-instance2
ubuntu@ip-172-31-19-127:~/terra$
```

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