

Terraform Task-2

Task Description:

Create 2 EC2 instances on 2 different regions and install nginx using terraform script.

```
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
   Active: active (running) since Thu 2025-07-24 06:40:03 UTC; 4s ago
     Docs: man:nginx(8)
   Process: 6250 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
   Process: 6253 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Main PID: 6305 (nginx)
    Tasks: 3 (limit: 1072)
   Memory: 2.7M (peak: 5.6M)
      CPU: 30ms
   CGroup: /system.slice/nginx.service
           └─6305 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
             └─6307 "nginx: worker process"
               └─6308 "nginx: worker process"

Jul 24 06:40:03 ip-172-31-8-139 systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Jul 24 06:40:03 ip-172-31-8-139 systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
ubuntu@ip-172-31-8-139:~/multi-region$ sudo systemctl start nginx
ubuntu@ip-172-31-8-139:~/multi-region$ sudo systemctl start nginx
ubuntu@ip-172-31-8-139:~/multi-region$
```

```
ubuntu@ip-172-31-8-139: ~/multi-region
+ ephemeral_block_device (known after apply)
+ instance_market_options (known after apply)
+ maintenance_options (known after apply)
+ metadata_options (known after apply)
+ network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
}

Plan: 2 to add, 0 to change, 0 to destroy.

Changes to Outputs:
+ india_instance_public_ip = (known after apply)
+ us_instance_public_ip   = (known after apply)

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.ubuntu_india: Creating...
aws_instance.ubuntu_us: Creating...
aws_instance.ubuntu_india: Still creating... [00m10s elapsed]
aws_instance.ubuntu_us: Still creating... [00m10s elapsed]
aws_instance.ubuntu_india: Still creating... [00m20s elapsed]
aws_instance.ubuntu_us: Still creating... [00m20s elapsed]
aws_instance.ubuntu_india: Creation complete after 21s [id=i-0d16dc0cad4964f65]
aws_instance.ubuntu_us: Still creating... [00m30s elapsed]
aws_instance.ubuntu_us: Creation complete after 36s [id=i-0ce4ede09273f237e]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

Outputs:
india_instance_public_ip = "3.110.42.94"
us_instance_public_ip   = "34.227.107.210"
ubuntu@ip-172-31-8-139:~/multi-region$
```

```
aws
[Alt+S]
United States (N. Virginia) Ashok

+ network_interface (known after apply)
+ private_dns_name_options (known after apply)
+ root_block_device (known after apply)
)

Plan: 2 to add, 0 to change, 0 to destroy.

Changes to Outputs:
- india_instance_public_ip = (known after apply)
- us_instance_public_ip = (known after apply)

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.ubuntu_us: Creating...
aws_instance.ubuntu_india: Creating...
aws_instance.ubuntu_us: Still creating... [00m10s elapsed]
aws_instance.ubuntu_india: Still creating... [00m10s elapsed]
aws_instance.ubuntu_india: Creation complete after 16s [id=i-079b4f868fed22157]
aws_instance.ubuntu_us: Still creating... [00m20s elapsed]
aws_instance.ubuntu_us: Still creating... [00m30s elapsed]
aws_instance.ubuntu_us: Creation complete after 32s [id=i-05b4d66f8b49c4b22]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

Outputs:
india_instance_public_ip = "3.109.207.183"
us_instance_public_ip = "54.236.218.122"
ubuntu@ip-172-31-43-59:~/multi-regin$

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aws_instance.ec2_us: Creating...
aws_instance.ec2_ap: Creating...
aws_instance.ec2_us: Still creating... [00m10s elapsed]
aws_instance.ec2_ap: Still creating... [00m10s elapsed]
aws_instance.ec2_us: Creation complete after 13s [id=i-0cdb5b2c0b42164ff]
aws_instance.ec2_ap: Still creating... [00m20s elapsed]
aws_instance.ec2_ap: Still creating... [00m30s elapsed]
aws_instance.ec2_ap: Creation complete after 35s [id=i-0e0536b86358f55de]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.

Outputs:
ap_instance_ip = "15.207.113.48"
us_instance_ip = "98.81.139.109"
ubuntu@ip-172-31-43-59:~/multi-regin$
```

