

```
PS C:\Users\SUDHIR REDDY\Desktop\terraform\Terraform-assignment>
terraform apply -auto-approve
```

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.main will be created
+ resource "aws_instance" "main" {
  + ami                               = "ami-03a6eaae9938c858c"
  + arn                               = (known after apply)
  + associate_public_ip_address      = true
  + availability_zone                 = "us-east-1a"
  + 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                     = (known after apply)
  + get_password_data                 = false
  + host_id                           = (known after apply)
  + host_resource_group_arn           = (known after apply)
  + iam_instance_profile              = (known after apply)
  + id                                = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle                = (known after apply)
  + instance_state                    = (known after apply)
  + instance_type                     = "t2.micro"
  + ipv6_address_count                = (known after apply)
  + ipv6_addresses                    = (known after apply)
  + 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)
  + private_dns                       = (known after apply)
  + private_ip                        = (known after apply)
  + 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                              = {
    + "purpose" = "Assigment"
  }
  + tags_all                          = {
    + "purpose" = "Assigment"
  }
  + 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)
```

```

+ root_block_device {
  + delete_on_termination = true
  + device_name           = (known after apply)
  + encrypted             = (known after apply)
  + iops                  = (known after apply)
  + kms_key_id            = (known after apply)
  + throughput            = (known after apply)
  + volume_id             = (known after apply)
  + volume_size           = 8
  + volume_type           = "gp2"
}
}

# aws_internet_gateway.ig will be created
+ resource "aws_internet_gateway" "ig" {
  + arn          = (known after apply)
  + id           = (known after apply)
  + owner_id     = (known after apply)
  + tags         = {
    + "purpose" = "Assigment"
  }
  + tags_all     = {
    + "purpose" = "Assigment"
  }
  + vpc_id       = (known after apply)
}

# aws_route_table.main will be created
+ resource "aws_route_table" "main" {
  + arn          = (known after apply)
  + id           = (known after apply)
  + owner_id     = (known after apply)
  + propagating_vgws = (known after apply)
  + route        = [
    + {
      + carrier_gateway_id      = ""
      + cidr_block              = "0.0.0.0/0"
      + core_network_arn        = ""
      + destination_prefix_list_id = ""
      + egress_only_gateway_id  = ""
      + gateway_id              = (known after apply)
      + ipv6_cidr_block          = ""
      + local_gateway_id        = ""
      + nat_gateway_id          = ""
      + network_interface_id     = ""
      + transit_gateway_id       = ""
      + vpc_endpoint_id         = ""
      + vpc_peering_connection_id = ""
    },
  ]
  + tags         = {
    + "purpose" = "Assigment"
  }
  + tags_all     = {
    + "purpose" = "Assigment"
  }
  + vpc_id       = (known after apply)
}

```

```

    }

# aws_route_table_association.main will be created
+ resource "aws_route_table_association" "main" {
    + id                = (known after apply)
    + route_table_id    = (known after apply)
    + subnet_id         = (known after apply)
}

# aws_security_group.sg will be created
+ resource "aws_security_group" "sg" {
    + arn                = (known after apply)
    + description        = "Managed by Terraform"
    + egress              = [
        + {
            + cidr_blocks = [
                + "0.0.0.0/0",
            ]
            + description = ""
            + from_port   = 0
            + ipv6_cidr_blocks = []
            + prefix_list_ids = []
            + protocol     = "-1"
            + security_groups = []
            + self          = false
            + to_port       = 0
        },
    ]
    + id                = (known after apply)
    + ingress            = [
        + {
            + cidr_blocks = [
                + "52.90.216.224/32",
            ]
            + description = ""
            + from_port   = 22
            + ipv6_cidr_blocks = []
            + prefix_list_ids = []
            + protocol     = "tcp"
            + security_groups = []
            + self          = false
            + to_port       = 22
        },
    ]
    + name              = "assignment_sg"
    + name_prefix        = (known after apply)
    + owner_id           = (known after apply)
    + revoke_rules_on_delete = false
    + tags_all           = (known after apply)
    + vpc_id             = (known after apply)
}

# aws_subnet.main will be created
+ resource "aws_subnet" "main" {
    + arn                = (known after
apply)
    + assign_ipv6_address_on_creation = false
    + availability_zone    = "us-east-1a"

```

```

    + availability_zone_id = (known after
apply)
    + cidr_block           = "10.0.0.0/25"
    + enable_dns64         = false
    + enable_resource_name_dns_a_record_on_launch = false
    + enable_resource_name_dns_aaaa_record_on_launch = false
    + id                   = (known after
apply)
    + ipv6_cidr_block_association_id = (known after
apply)
    + ipv6_native          = false
    + map_public_ip_on_launch = false
    + owner_id             = (known after
apply)
    + private_dns_hostname_type_on_launch = (known after
apply)
    + tags                  = {
        + "purpose" = "Assigment"
    }
    + tags_all              = {
        + "purpose" = "Assigment"
    }
    + vpc_id               = (known after
apply)
}

# aws_subnet.main1 will be created
+ resource "aws_subnet" "main1" {
    + arn = (known after
apply)
    + assign_ipv6_address_on_creation = false
    + availability_zone = "us-east-1a"
    + availability_zone_id = (known after
apply)
    + cidr_block           = "10.0.1.0/25"
    + enable_dns64         = false
    + enable_resource_name_dns_a_record_on_launch = false
    + enable_resource_name_dns_aaaa_record_on_launch = false
    + id                   = (known after
apply)
    + ipv6_cidr_block_association_id = (known after
apply)
    + ipv6_native          = false
    + map_public_ip_on_launch = false
    + owner_id             = (known after
apply)
    + private_dns_hostname_type_on_launch = (known after
apply)
    + tags                  = {
        + "purpose" = "Assigment"
    }
    + tags_all              = {
        + "purpose" = "Assigment"
    }
    + vpc_id               = (known after
apply)
}

```

```

# aws_vpc.main will be created
+ resource "aws_vpc" "main" {
    + arn                                = (known after apply)
    + cidr_block                        = "10.0.0.0/16"
    + default_network_acl_id           = (known after apply)
    + default_route_table_id           = (known after apply)
    + default_security_group_id        = (known after apply)
    + dhcp_options_id                  = (known after apply)
    + enable_dns_hostnames              = (known after apply)
    + enable_dns_support                = true
    + enable_network_address_usage_metrics = (known after apply)
    + id                                = (known after apply)
    + instance_tenancy                  = "default"
    + ipv6_association_id               = (known after apply)
    + ipv6_cidr_block                   = (known after apply)
    + ipv6_cidr_block_network_border_group = (known after apply)
    + main_route_table_id               = (known after apply)
    + owner_id                          = (known after apply)
    + tags                              = {
        + "purpose" = "Assignment"
    }
    + tags_all                          = {
        + "purpose" = "Assignment"
    }
}

```

Plan: 8 to add, 0 to change, 0 to destroy.

aws\_vpc.main: Creating...

aws\_vpc.main: Creation complete after 6s [id=vpc-0de30019dc9336e3b]

aws\_internet\_gateway.ig: Creating...

aws\_subnet.main: Creating...

aws\_subnet.main1: Creating...

aws\_security\_group.sg: Creating...

aws\_subnet.main: Creation complete after 2s [id=subnet-0b18b7e969c1cef6b]

aws\_subnet.main1: Creation complete after 3s [id=subnet-0f847b117a925ec11]

aws\_internet\_gateway.ig: Creation complete after 3s [id=igw-086e8fdaeb990d2f3]

aws\_route\_table.main: Creating...

aws\_route\_table.main: Creation complete after 3s [id=rtb-0f27b5d7da1f2902f]

aws\_security\_group.sg: Creation complete after 6s [id=sg-03d0a347926fe1172]

aws\_route\_table\_association.main: Creating...

aws\_instance.main: Creating...

aws\_route\_table\_association.main: Creation complete after 2s [id=rtbassoc-06e089678c72d0a90]

aws\_instance.main: Still creating... [10s elapsed]

aws\_instance.main: Still creating... [20s elapsed]

aws\_instance.main: Still creating... [30s elapsed]

aws\_instance.main: Creation complete after 37s [id=i-08989b92eab604060]

Apply complete! Resources: 8 added, 0 changed, 0 destroyed.