tmp_tf/Output&Results.txt

```
sravan@sravankumar:~/terraform/tmp_tf$ terraform init
Initializing the backend...
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v6.0.0

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.
sravan@sravankumar:~/terraform/tmp_tf$ terraform plan
data.aws_vpc.default_vpc: Reading...
data.aws_vpc.default_vpc: Read complete after 2s [id=vpc-06f26a43ee4602e2f]
data.aws_subnet.default_subnet: Reading...
data.aws_subnet.default_subnet: Read complete after 0s [id=subnet-083b5bf951b0187cd]

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.hydrogen_instance[0] will be created
  + resource "aws_instance" "hydrogen_instance" {
      + ami                                  = "ami-05f991c49d264708f"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = true
      + availability_zone                    = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + enable_primary_ipv6                  = (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                             = "jenQ"
      + 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)
      + region                               = "us-west-2"
      + secondary_private_ips                = (known after apply)
      + security_groups                      = (known after apply)
      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = "subnet-083b5bf951b0187cd"
      + tags                                 = {
          + "Name" = "HydrogenInstance_TF"
        }
      + tags_all                             = {
          + "Name" = "HydrogenInstance_TF"
        }
      + tenancy                              = (known after apply)
      + user_data                            = <<-EOT
            #!/bin/bash
            sudo apt update
            sudo apt install -y nginx
            systemctl start nginx
            systemctl enable nginx
            echo "Hello, World!" > /var/www/html/index.html
        EOT
      + user_data_base64                     = (known after apply)
      + user_data_replace_on_change          = false
      + vpc_security_group_ids               = (known after apply)

      + capacity_reservation_specification (known after apply)

      + cpu_options (known after apply)

      + ebs_block_device (known after apply)
```

```
      + enclave_options (known after apply)

      + 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: 1 to add, 0 to change, 0 to destroy.
```

```
Note: You didn't use the -out option to save this plan, so Terraform can't guarantee to take exactly these actions if you run "terraform apply" no
sravan@sravankumar:~/terraform/tmp_tf$ terraform apply
data.aws_vpc.default_vpc: Reading...
data.aws_vpc.default_vpc: Read complete after 2s [id=vpc-06f26a43ee4602e2f]
data.aws_subnet.default_subnet: Reading...
data.aws_subnet.default_subnet: Read complete after 0s [id=subnet-083b5bf951b0187cd]

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.hydrogen_instance[0] will be created
  + resource "aws_instance" "hydrogen_instance" {
      + ami                                  = "ami-05f991c49d264708f"
      + arn                                  = (known after apply)
      + associate_public_ip_address          = true
      + availability_zone                    = (known after apply)
      + disable_api_stop                     = (known after apply)
      + disable_api_termination              = (known after apply)
      + ebs_optimized                        = (known after apply)
      + enable_primary_ipv6                  = (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                             = "jenQ"
      + 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)
      + region                               = "us-west-2"
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      + source_dest_check                    = true
      + spot_instance_request_id             = (known after apply)
      + subnet_id                            = "subnet-083b5bf951b0187cd"
      + tags                                 = {
          + "Name" = "HydrogenInstance_TF"
        }
      + tags_all                             = {
          + "Name" = "HydrogenInstance_TF"
        }
      + tenancy                              = (known after apply)
      + user_data                            = <<-EOT
            #!/bin/bash
            sudo apt update
            sudo apt install -y nginx
            systemctl start nginx
            systemctl enable nginx
            echo "Hello, World!" > /var/www/html/index.html
        EOT
      + user_data_base64                     = (known after apply)
      + user_data_replace_on_change          = false
      + vpc_security_group_ids               = (known after apply)
```

```
      + capacity_reservation_specification (known after apply)

      + cpu_options (known after apply)

      + ebs_block_device (known after apply)

      + enclave_options (known after apply)

      + 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: 1 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.hydrogen_instance[0]: Creating...
aws_instance.hydrogen_instance[0]: Still creating... [00m10s elapsed]
aws_instance.hydrogen_instance[0]: Still creating... [00m20s elapsed]
aws_instance.hydrogen_instance[0]: Still creating... [00m32s elapsed]
aws_instance.hydrogen_instance[0]: Creation complete after 38s [id=i-0b382bbdac2a019af]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.
sravan@sravankumar:~/terraform/tmp_tf$
```