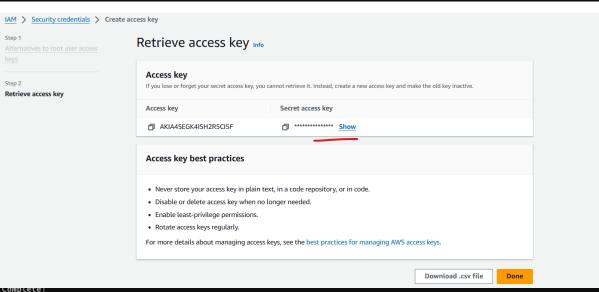
## Terraform assignment

```
[ec2-user@ip-10-0-1-131 ~]$ sudo yum-config-manager --add-repo https://rpm.releases.hashicorp.com/AmazonLinux/hashicorp.
repo
Adding repo from: https://rpm.releases.hashicorp.com/AmazonLinux/hashicorp.repo
[ec2-user@ip-10-0-1-131 ~]$ sudo yum -y install terraform
                                                                                                           12 MB/s | 1.3 MB
Hashicorp Stable - x86_64
                                                                                                                                    00:00
Dependencies resolved.
                                                                                                           Repository 3120
 Package
                                   Architecture Version
Installing:
                                                                                                                                          26 M
                                     x86_64
                                                             1.7.1-1
                                                                                                           hashicorp
Installing dependencies:
                                                            2.40.1-1.amzn2023.0.1
2.40.1-1.amzn2023.0.1
2.40.1-1.amzn2023.0.1
1:0.17029-5.amzn2023.0.2
1.37-477.amzn2023.0.6
                                    x86_64
x86_64
                                                                                                                                          57 k
                                                                                                          amazonlinux
                                                                                                          amazonlinux
                                                                                                                                         4.3 M
2.6 M
41 k
                                     noarch
                                                                                                          amazonlinux
 perl-Error
perl-File-Find
                                                                                                         amazonlinux
amazonlinux
amazonlinux
                                     noarch
                                                                                                                                          26 k
                                    noarch
                                                            2.40.1-1.amzn2023.0.1
2.38-9.amzn2023.0.2
0.65-477.amzn2023.0.6
                                    noarch
                                                                                                                                           45 k
 perl-TermReadKey
                                                                                                                                          36 k
15 k
                                    x86_64
                                                                                                          amazonlinux
                                     x86_64
                                                                                                           amazonlinux
Transaction Summary
                        Install 9 Packages
Total download size: 33 M
Installed size: 114 M
Downloading Packages:
(1/9): git-2.40.1-1.amzn2023.0.1.x86_64.rpm
                                                                                                          830 kB/s | 57 kB 00:00
```



```
[ec2-user@ip-10-0-1-131 tf_bundle]$ terraform init
Initializing the backend...
Initializing provider plugins...
 - Reusing previous version of hashicorp/aws from the dependency lock file
 - Using previously-installed hashicorp/aws v5.34.0
 Terraform has been successfully initialized!
 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
[ec2-user@ip-10-0-1-131 tf_bundle]$
[ec2-user@ip-10-0-1-131 tf_bundle]$ aws configure
AWS Access Key ID [None]: AKIA4SEGK4ISE7GIGH73
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]:
[ec2-user@ip-10-0-1-131 tf_bundle]$ terraform plan
 erraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
 erraform will perform the following actions:
      # aws_instance.jayas-tf-web1 will be created
+ resource "aws_instance" "jayas-tf-web1" {
[ec2-user@ip-10-0-1-131 tf_bundle]$ terraform validate
Success! The configuration is valid.
[ec2-user@ip-10-0-1-131 tf_bundle]$ terraform plan -out terraform.out
 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.jayas-tf-web1 will be created
+ resource "aws_instance" "jayas-tf-web1" {
                                                  .
= "ami-0455d910dab418e8f"
       + ami
                                                 = "am1-0455d910dab418
= (known after apply)
= (known after apply)
= (known after apply)
= (known after apply)
        associate_public_ip_address
        availability_zone
cpu_core_count
        cpu_threads_per_core
disable_api_stop
disable_api_termination
                                                 = (known after apply)
= (known after apply)
                                                 = (known after apply)
= (known after apply)
```

```
[ec2-user@ip-10-0-1-131 tf_bundle]$ terraform apply
    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.jayas-tf-web1 will be created
              resource "aws_instance" "jayas-tf-web1"
                                                                                                                                        = "ami-0455d910dab418e8f"
                                                                                                                                   = "ami-0455d910dab418e

= (known after apply)

= false

= (known after apply)
                     + arn
                        associate_public_ip_address
availability_zone
                    + cpu_core_count
+ cpu_threads_per_core
+ disable_api_stop
                        disable_api_termination
ebs_optimized
                        get_password_data
host_id
                                                                                                                                      = (known after apply)
= (known after apply)
                        host_resource_group_arn
iam_instance_profile
                                                                                                                                      = (known after apply)
  Plan: 7 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: ves
aws_vpc.jayas-tf-vpc: Creating...
aws_vpc.jayas-tf-vpc: Still creating... [10s elapsed]
aws_vpc.jayas-tf-vpc: Still creating...
aws_vpc.jayas-tf-vpc: Creation complete after 11s [id=vpc-06f94cabba413cec1]
aws_security_group.ssh-allowed: Creating...
aws_internet_gateway.jayas-tf-jupt: Creating...
aws_subnet.jayas-tf-subnet-public-1: Creating...
aws_internet_gateway.jayas-tf-igw: Creation complete after 1s [id=igw-01f8ac48588ce0c45]
aws_route_table.jayas-tf-public-crt: Creating...
aws_route_table.jayas-tf-public-crt: Creating...
aws_route_table.jayas-tf-public-crt: Creation complete after 0s [id=rtb-0c4acf0d66b159e1d]
aws_security_group.ssh-allowed: Creation complete after 2s [id=sg-0d5af8b5b13c97aed]
aws_subnet.jayas-tf-subnet-public-1: Still creating... [10s elapsed]
aws_subnet.jayas-tf-subnet-public-1: Creation complete after 11s [id=subnet-0108a40e0a5cdf767e]
aws_instance.jayas-tf-web1: Creating...
aws_route_table_association.jayas-tf-crta-public-subnet-1: Creating...
aws_route_table_association.jayas-tf-crta-public-subnet-1: Creation complete after 0s [id=rtbassoc-007568b5f2c024e27]
aws_instance.jayas-tf-web1: Still creating... [10s elapsed]
aws_instance.jayas-tf-web1: Still creating... [20s elapsed]
aws_instance.jayas-tf-web1: Still creating... [30s elapsed]
aws_instance.jayas-tf-web1: Still creating... [30s elapsed]
aws_instance.jayas-tf-web1: Still creating... [30s elapsed]
```

