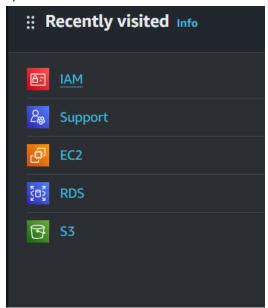
# **Experiment 3**

# Step 1:

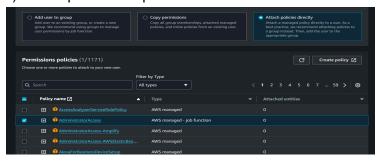
1)Create a IAM user form the AWS console



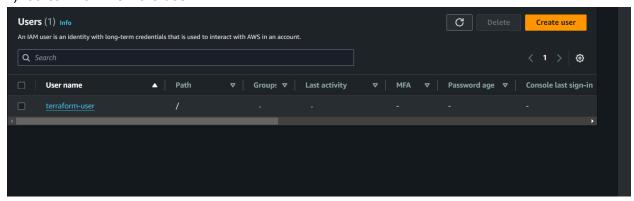
2)Write the name of the user



3)Set the permission policies

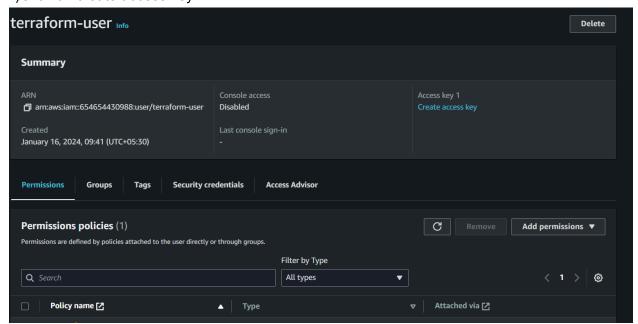


4)You can now view the user

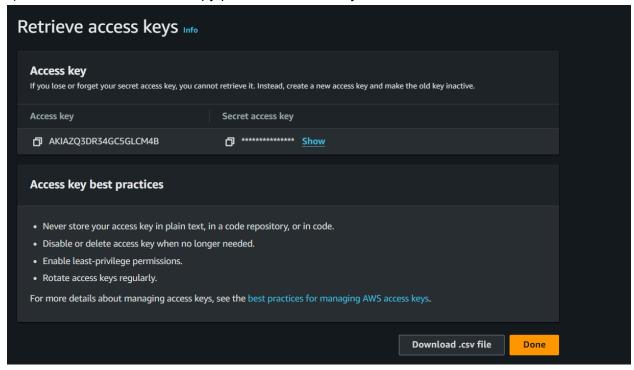


**Step 2: Create the access key** 

1)Click on create access key



2)Download the CSV file or copy paste the access key



## Step 3: Update the terraform file

```
1)Add the following contents to the main.tf file provider "aws" {
region = "ap-south-1"
access_key = "AKIAZQ3DR34GC5GLCM4B"
secret_key = "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"
}
```

```
2)Create a instance.tf terraform file with the following contents
resource "aws_instance" "terraform-lab"{
  instance type = "t2.micro"
  ami = "ami-03f4878755434977f"
  count = 1
  tags= {
    Name = "Tarun-EC2-Instance"
  }
}
 🏋 instance.tf
        resource "aws_instance" "terraform-lab"{
             instance_type = "t2.micro"
             ami = "ami-03f4878755434977f"
             count = 1
             tags= {
                  Name = "Tarun-EC2-Instance"
        3
  11
```

**Step 4: Run the terraform commands** 

1)Run the validate command

```
PS F:\terraform lab\terraform lab 1> terraform validate
Success! The configuration is valid.

PS F:\terraform lab\terraform lab 1> [
```

### 2)Run the plan command

```
# aws instance.terraform-lab[0] will be created
+ resource "aws_instance" "terraform-lab" {
                                           = "ami-03f4878755434977f"
   + arn
                                           = (known after apply)
   + associate public ip address
                                           = (known after apply)
   + availability zone
                                           = (known after apply)
                                          = (known after apply)
   + cpu core count
   + 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)
                                           = (known after apply)
   + instance_initiated_shutdown_behavior = (known after apply)
   + instance_lifecycle
                                           = (known after apply)
   + instance state
                                           = (known after apply)
                                           = "t2.micro"
   + instance_type
                                           = (known after apply)
   + ipv6_address_count
                                           = (known after apply)
   + ipv6 addresses
   + key_name
                                           = (known after apply)
   + monitoring
                                           = (known after apply)
                                           = (known after apply)
   + outpost arn
    + password data
                                           = (known after apply)
   + placement_group
                                           = (known after apply)
```

### 3)Run the apply command

```
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:
```

```
Enter a value: yes

aws_instance.terraform-lab[0]: Creating...

aws_instance.terraform-lab[0]: Still creating... [10s elapsed]

aws_instance.terraform-lab[0]: Still creating... [20s elapsed]

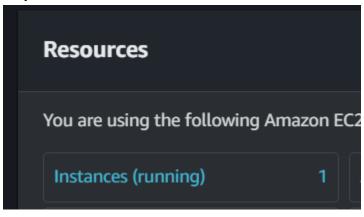
aws_instance.terraform-lab[0]: Still creating... [30s elapsed]

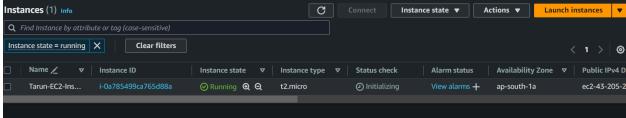
aws_instance.terraform-lab[0]: Creation complete after 32s [id=i-0a785499ca765d88a]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

PS F:\terraform lab\terraform lab 1>
```

Step 5: Check the aws console for the instances





Step 6: Destroy the instance

