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Install AWS CLI

Open windows power shell

https://chocolatey.org/install#individual

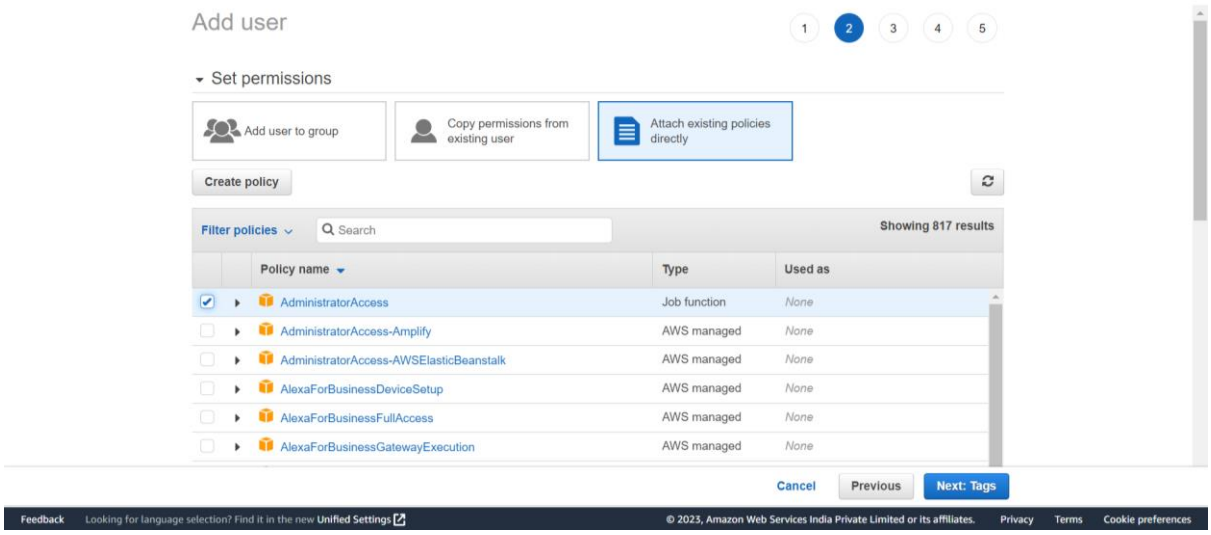
run the commands

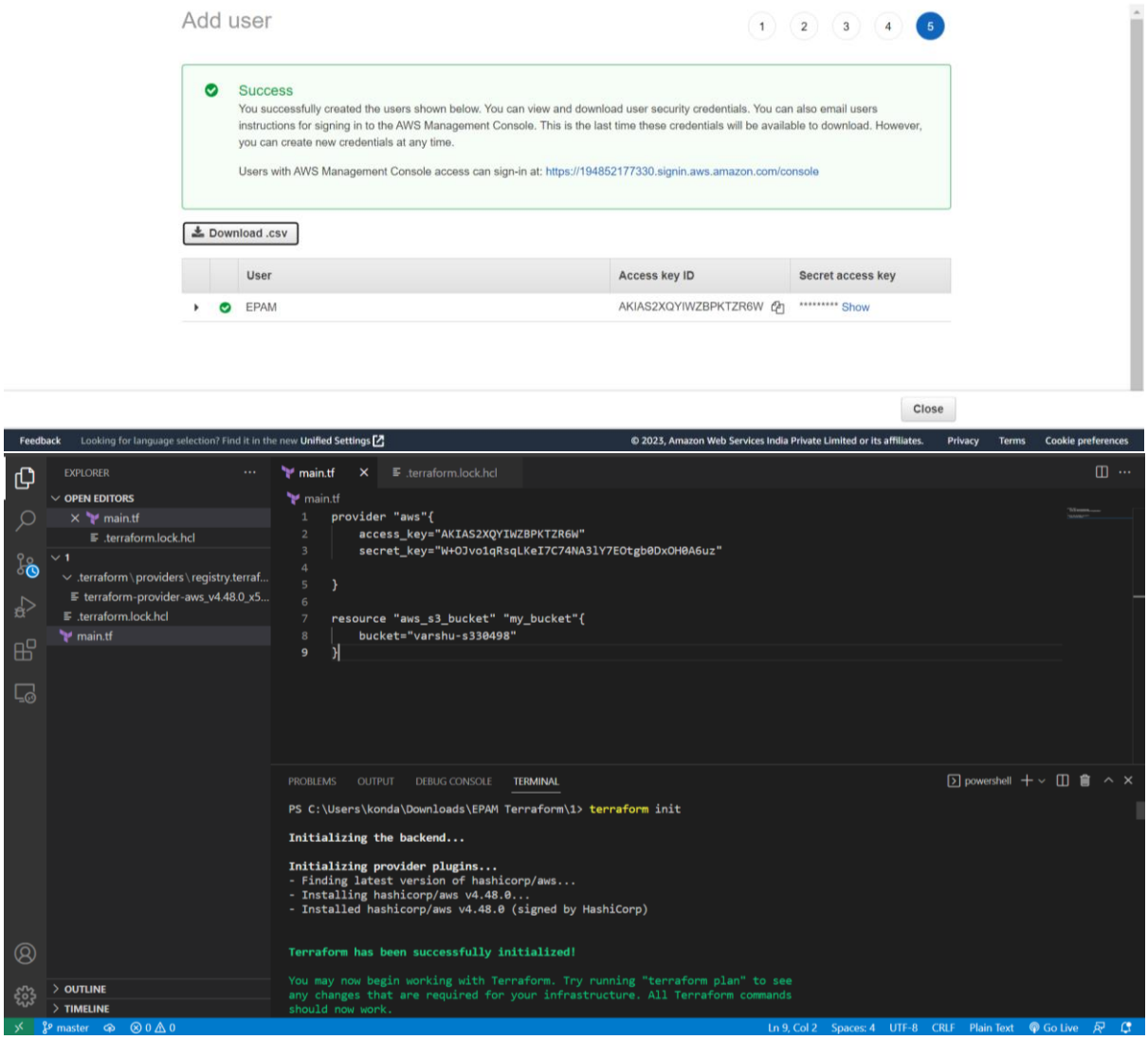
Open visual studio

Create IAM user in AWS act

Create user

Allow access for access key only





In terminal

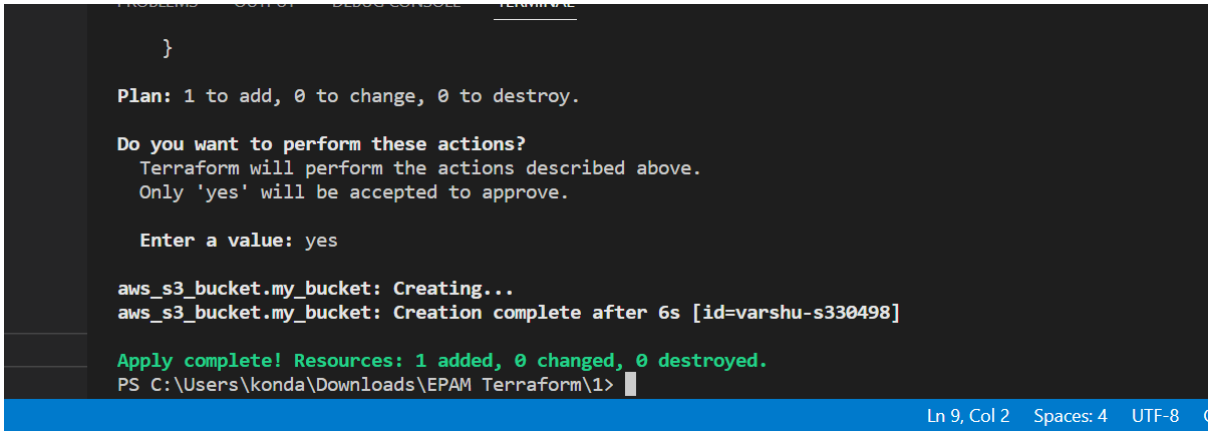
terraform init

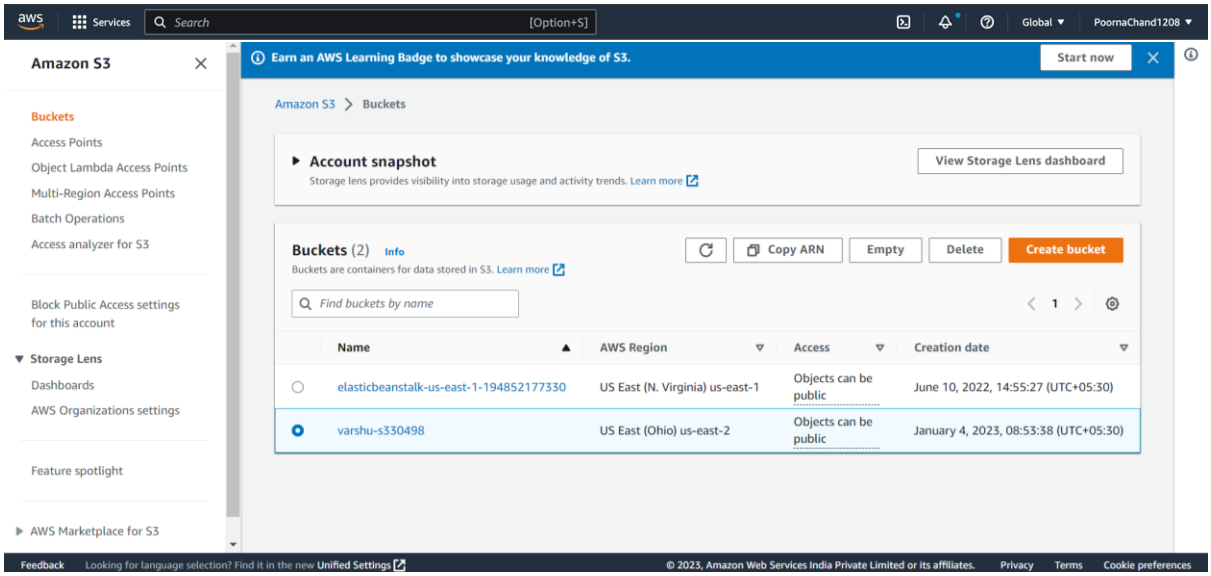
terraform plan

terraform apply

terraform destroy

terraform





Mai.tf

```
provider "aws"{
    access_key="AKIAS2XQYIWZIXQRUIXA"
    secret_key="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"


}


resource "aws_s3_bucket" "my_bucket"{
    bucket="varshu-s330498"
}



resource "aws_instance" "my_instance" {
```

```
    ami="amiid-30498"
    instance_type=var.my_instance_type
    tag{
        name="my-first-instance"
        id=123

    }

}
```

Outputs.tf

```
output "my_bucket_name"{
    value=aws_s3_bucket.my_s3_bucket.bucket
}
output "aws_iam_user1_name"{
    value=aws_iam_user.my_user[1].name
}
```

Variables.tfvars

```
variable "my_instance_type"{
    type=string
    default="t2.micro"
    description="my 1st instance type"
}
```

Main.tf

```
provider "aws"{
    region="us-west-2"
    access_key="AKIAS2XQYIWZIXQRUIXA"
    secret_key="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"

}
```

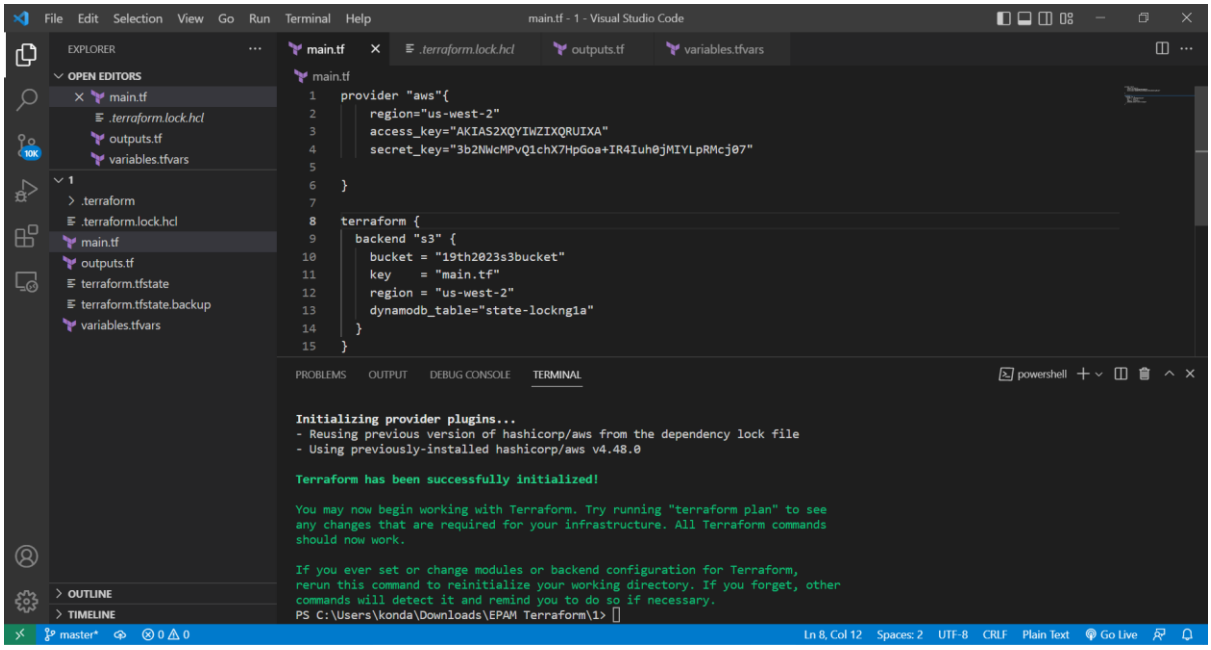
```
terraform {
  backend "s3" {
    bucket = "19th2023s3bucket"
    key    = "main.tf"
    region = "us-west-2"
  }
}
```

In terminal

Aws configure

Terraform init

terraform init -migrate-state



Terraform apply