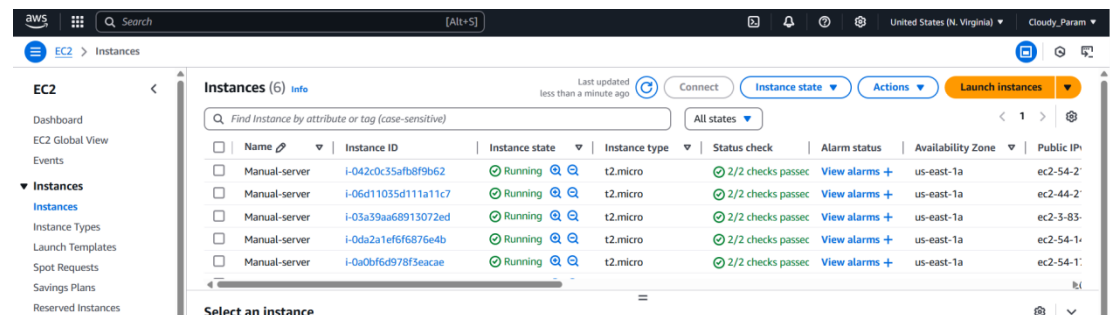


Import EC2 instance

Create 5 EC2 Instance manually



create new file use command and copy below code
replace name and id as per your instance name and id
command 1--> vim main.tf or give any name you want

```
import {  
  to = aws_instance.one  
  id = "i-0da2a1ef6f6876e4b"  
}  
import {  
  to = aws_instance.two  
  id = "i-0a0bf6d978f3eacae"  
}  
import {  
  to = aws_instance.three  
  id = "i-03a39aa68913072ed"  
}  
import {  
  to = aws_instance.four  
  id = "i-06d11035d111a11c7"  
}  
import {  
  to = aws_instance.five  
  id = "i-042c0c35afb8f9b62"  
}
```

command 2--> cat main.tf
to check data save or not in file

now use below command to generate config file

command 3 --> terraform plan -generate-config-out=ec2.tf

get error but file is created

```
terraform plan -generate-config-out=generated.tf

[root@ip-172-31-27-252 terraform]# terraform plan -generate-config-out=ec2.tf
aws_instance.four: Preparing import... [id=i-06d11035d11a11c7]
aws_instance.two: Preparing import... [id=i-0a0bf6d978f3eacae]
aws_instance.one: Preparing import... [id=i-0da2a1ef6f6876e4b]
aws_instance.five: Preparing import... [id=i-042c0c35afb8f9b62]
aws_instance.three: Preparing import... [id=i-03a39aa68913072ed]
aws_instance.three: Refreshing state... [id=i-03a39aa68913072ed]
aws_instance.five: Refreshing state... [id=i-042c0c35afb8f9b62]
aws_instance.four: Refreshing state... [id=i-06d11035d11a11c7]
aws_instance.two: Refreshing state... [id=i-0a0bf6d978f3eacae]
aws_instance.one: Refreshing state... [id=i-0da2a1ef6f6876e4b]

Planning failed. Terraform encountered an error while generating this plan.
```

command 4 --> ls

to check all files in current folder

command 5 --> open ec2.tf file and remove ipv6 count and ipv6 address line

note: check all instance

command 6--> terraform apply

```
[root@ip-172-31-27-252 terraform]# vim ec2.tf
[root@ip-172-31-27-252 terraform]# terraform apply -auto-approve
aws_instance.five: Preparing import... [id=i-042c0c35afb8f9b62]
aws_instance.one: Preparing import... [id=i-0da2a1ef6f6876e4b]
aws_instance.two: Preparing import... [id=i-0a0bf6d978f3eacae]
aws_instance.four: Preparing import... [id=i-06d11035d11a11c7]
aws_instance.three: Preparing import... [id=i-03a39aa68913072ed]
aws_instance.four: Refreshing state... [id=i-06d11035d11a11c7]
aws_instance.three: Refreshing state... [id=i-03a39aa68913072ed]
aws_instance.five: Refreshing state... [id=i-042c0c35afb8f9b62]
aws_instance.one: Refreshing state... [id=i-0da2a1ef6f6876e4b]
aws_instance.two: Refreshing state... [id=i-0a0bf6d978f3eacae]

i-035c3172ee05563c4 (Terraform)
PublicIPs: 34.204.53.187 PrivateIPs: 172.31.27.252
```

now all instance imported successfully

```
    kms_key_id      = null
    tags             = {}
    tags_all         = {}
    throughput       = 125
    volume_id        = "vol-0cd7c6c5ba79e4c82"
    volume_size      = 8
    volume_type       = "gp3"
  }
}

Plan: 5 to import, 0 to add, 0 to change, 0 to destroy.
aws_instance.four: Importing... [id=i-06d11035d11a11c7]
aws_instance.four: Import complete [id=i-06d11035d11a11c7]
aws_instance.three: Importing... [id=i-03a39aa68913072ed]
aws_instance.three: Import complete [id=i-03a39aa68913072ed]
aws_instance.two: Importing... [id=i-0a0bf6d978f3eacae]
aws_instance.two: Import complete [id=i-0a0bf6d978f3eacae]
aws_instance.five: Importing... [id=i-042c0c35afb8f9b62]
aws_instance.five: Import complete [id=i-042c0c35afb8f9b62]
aws_instance.one: Importing... [id=i-0da2a1ef6f6876e4b]
aws_instance.one: Import complete [id=i-0da2a1ef6f6876e4b]

apply complete! Resources: 5 imported, 0 added, 0 changed, 0 destroyed.
[root@ip-172-31-27-252 terraform]# ls
ec2.tf  main.tf  terraform.tfstate
[root@ip-172-31-27-252 terraform]# terraform state list
aws_instance.five
aws_instance.four
```

i-035c3172ee05563c4 (Terraform)

PublicIPs: 34.204.53.187 PrivateIPs: 172.31.27.252

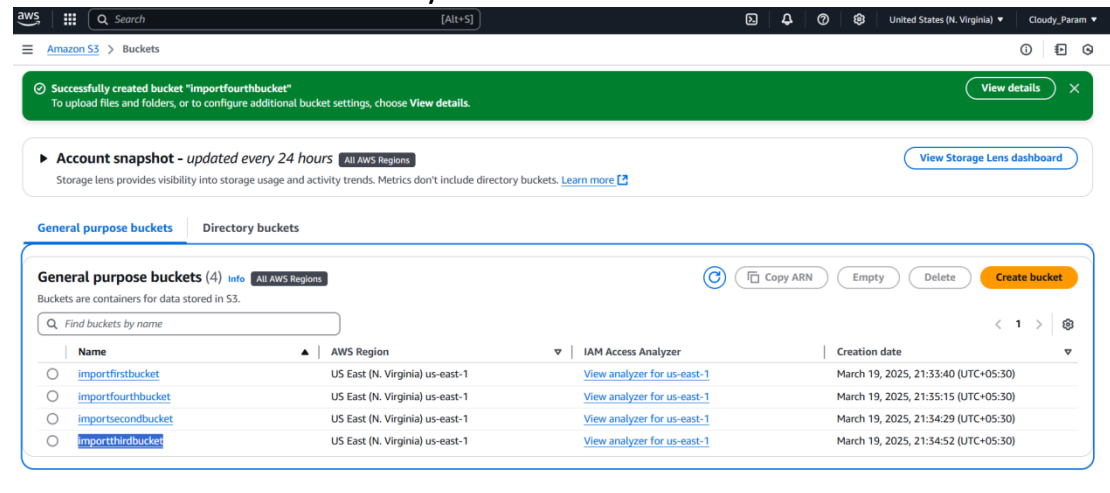
command 7 --> terraform state list

check state file

follow above step to create remaining resources

S3 bucket :

Create 4 s3 bucket manually



Create new file and copy below code

```
[root@ip-172-31-27-252 terraform]# cat s_3_bucket.tf
import {
  to = aws_s3_bucket.first
  id = "importfirstbucket"
}
import {
  to = aws_s3_bucket.two
  id = "importfourthbucket"
}
import {
  to = aws_s3_bucket.three
  id = "importsecondbucket"
}
import {
  to = aws_s3_bucket.four
  id = "importthirdbucket"
}
[root@ip-172-31-27-252 terraform]#
```

```
import {
  to = aws_s3_bucket.first
  id = "importfirstbucket"
}
import {
  to = aws_s3_bucket.two
  id = "importfourthbucket"
}
import {
  to = aws_s3_bucket.three
  id = "importsecondbucket"
}
import {
  to = aws_s3_bucket.four
  id = "importthirdbucket"
}
```

Generate config file

```
import {
  to = aws_s3_bucket.first
  id = "importthirdbucket"
}

[root@ip-172-31-27-252 terraform]# vim s_3_bucket.tf
[root@ip-172-31-27-252 terraform]# terraform plan -generate-config-out=s3.tf
aws_s3_bucket.first: Preparing import... [id=importfirstbucket]
aws_s3_bucket.three: Preparing import... [id=importsecondbucket]
aws_s3_bucket.two: Preparing import... [id=importfourthbucket]
aws_s3_bucket.four: Preparing import... [id=importthirdbucket]
aws_instance.three: Refreshing state... [id=i-03a39aa68913072ed]
aws_instance.two: Refreshing state... [id=i-0a0bf6d978f3eacae]
aws_instance.five: Refreshing state... [id=i-042c0c35af28f9b62]
aws_s3_bucket.first: Refreshing state... [id=importfirstbucket]
aws_s3_bucket.three: Refreshing state... [id=importsecondbucket]
aws_instance.one: Refreshing state... [id=i-0da2a1ef6f6876e4b]
aws_s3_bucket.two: Refreshing state... [id=importfourthbucket]
aws_instance.four: Refreshing state... [id=i-06d11035d11a11c7]
aws_s3_bucket.four: Refreshing state... [id=importthirdbucket]

Terraform will perform the following actions:

# aws_s3_bucket.first will be imported
# (config will be generated)
resource "aws_s3_bucket" "first" {
  acceleration_status    = null
  arn                    = "arn:aws:s3:::importfirstbucket"
}
```

i-035c3172ee05563c4 (Terraform)
PublicIPs: 34.204.53.187 PrivateIPs: 172.31.27.252

Now use apply command

```
sse_algorithm    = "AES256"
}
}

versioning {
  enabled        = false
  mfa_delete     = false
}
}

Plan: 4 to import, 0 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" now.

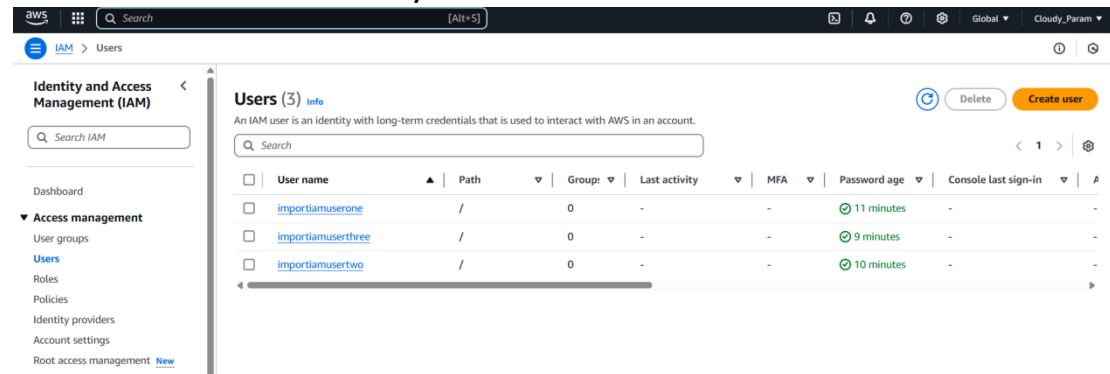
[root@ip-172-31-27-252 terraform]# terraform apply
aws_s3_bucket.four: Preparing import... [id=importthirdbucket]
aws_s3_bucket.first: Preparing import... [id=importfirstbucket]
aws_s3_bucket.three: Preparing import... [id=importsecondbucket]
aws_s3_bucket.two: Preparing import... [id=importfourthbucket]
aws_s3_bucket.two: Refreshing state... [id=importfourthbucket]
aws_s3_bucket.four: Refreshing state... [id=importthirdbucket]
aws_s3_bucket.first: Refreshing state... [id=importfirstbucket]
aws_s3_bucket.three: Refreshing state... [id=importsecondbucket]
aws_instance.two: Refreshing state... [id=i-0a0bf6d978f3eacae]
aws_instance.one: Refreshing state... [id=i-0da2a1ef6f6876e4b]
aws_instance.four: Refreshing state... [id=i-06d11035d11a11c7]
```

i-035c3172ee05563c4 (Terraform)
PublicIPs: 34.204.53.187 PrivateIPs: 172.31.27.252

Now check terraform state list

```
[root@ip-172-31-27-252 terraform]# terraform state list
aws_instance.five
aws_instance.four
aws_instance.one
aws_instance.three
aws_instance.two
aws_s3_bucket.first
aws_s3_bucket.four
aws_s3_bucket.three
aws_s3_bucket.two
[root@ip-172-31-27-252 terraform]#
```

IAM USER: Create 3 iam user manually



Again follow same step
Create file for iamuser.tf And copy below code

```
[root@ip-172-31-27-252 terraform]# cat iamuser.tf
import {
  to = aws_iam_user.one
  id = "importiamuserone"
}

import {
  to = aws_iam_user.three
  id = "importiamuserthree"
}

import {
  to = aws_iam_user.two
  id = "importiamusertwo"
}
[root@ip-172-31-27-252 terraform]#
```

```
import {
  to = aws_iam_user.one
  id = "importiamuserone"
}

import {
  to = aws_iam_user.three
  id = "importiamuserthree"
}

import {
  to = aws_iam_user.two
  id = "importiamusertwo"
}
```

Generate config file
terraform plan -generate-config-out=iamusers.tf

```
[root@ip-172-31-27-252 terraform]# ls
ec2.tf iamuser.tf main.tf s3.tf s3_bucket.tf terraform.tfstate terraform.tfstate.backup
[root@ip-172-31-27-252 terraform]# terraform plan -generate-config-out=iamusers.tf
aws_iam_user.one: Preparing import... [id=importiamuserone]
aws_iam_user.one: Refreshing state... [id=importiamuserone]
aws_s3_bucket.two: Refreshing state... [id=importfourthbucket]
aws_instance.two: Refreshing state... [id=i-0a0bf6d978f3eacae]
aws_instance.four: Refreshing state... [id=i-06d11035d111a1c7]
aws_s3_bucket.three: Refreshing state... [id=importsecondbucket]
aws_s3_bucket.four: Refreshing state... [id=importthirdbucket]
aws_instance.one: Refreshing state... [id=i-0da2a1ef6f6876e4b]
aws_instance.three: Refreshing state... [id=i-03a39aa68913072ed]
```

Use apply command terraform apply

```
        unique_id      = "AIDA3LEK5PQ6YBESFJZ6Q"
    )
}

Plan: 3 to import, 0 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" now.
[root@ip-172-31-27-252 terraform]# terraform apply
aws_iam_user.three: Preparing import... [id=importiamuserthree]
aws_iam_user.two: Preparing import... [id=importiamusertwo]
aws_iam_user.one: Preparing import... [id=importiamuserone]
aws_instance.two: Refreshing state... [id=i-0a0bf6d978f3eacae]
aws_iam_user.two: Refreshing state... [id=importiamusertwo]
aws_instance.three: Refreshing state... [id=i-03a39aa68913072ed]
aws_s3_bucket.first: Refreshing state... [id=importfirstbucket]
aws_iam_user.three: Refreshing state... [id=importiamuserthree]
aws_instance.five: Refreshing state... [id=i-042c0c35af28f9b62]
aws_instance.four: Refreshing state... [id=i-06d11035d111a1c7]
aws_s3_bucket.two: Refreshing state... [id=importfourthbucket]
aws_iam_user.one: Refreshing state... [id=importiamuserone]
aws_instance.one: Refreshing state... [id=i-0da2a1ef6f6876e4b]
aws_s3_bucket.three: Refreshing state... [id=importsecondbucket]
aws_s3_bucket.four: Refreshing state... [id=importthirdbucket]

Terraform will perform the following actions:

# aws_iam_user.one will be imported
```

check state list terraform state list

```
Apply complete! Resources: 3 imported, 0 added, 0 changed, 0 destroyed.
[root@ip-172-31-27-252 terraform]# terraform state list
aws_iam_user.one
aws_iam_user.three
aws_iam_user.two
aws_instance.five
aws_instance.four
aws_instance.one
aws_instance.three
aws_instance.two
aws_s3_bucket.first
aws_s3_bucket.four
aws_s3_bucket.three
aws_s3_bucket.two
```