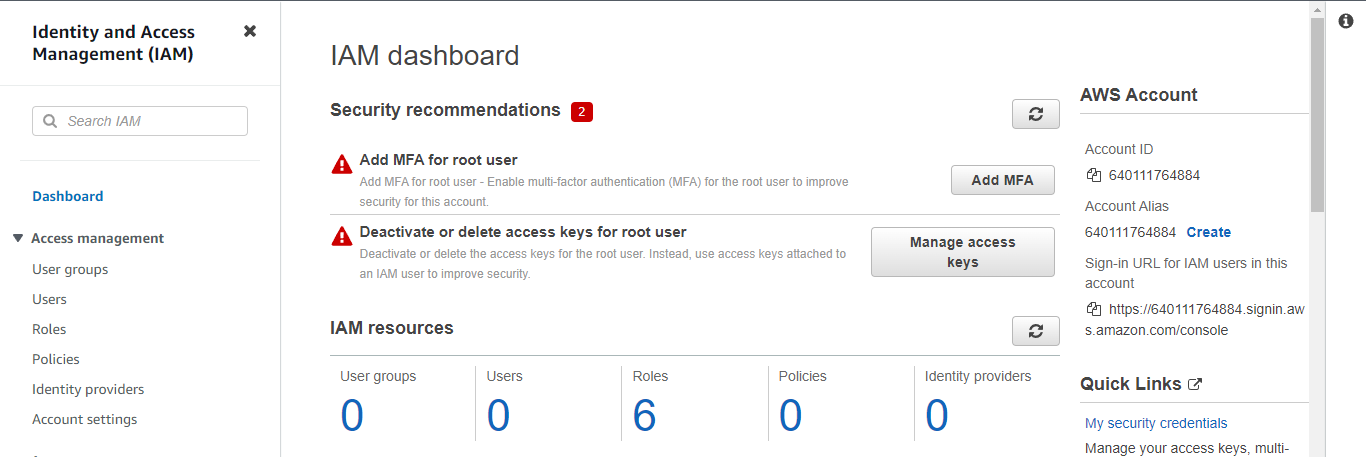
# Configure the AWS Security Token Service (STS) using IAM

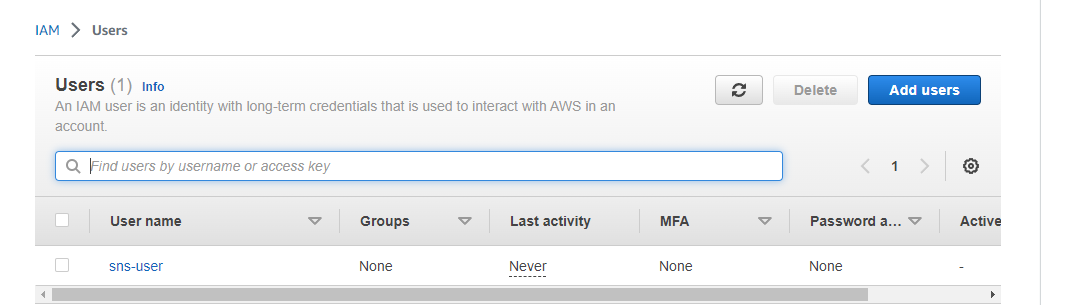
## To configure the AWS Security Token Service (STS) using IAM (Identity and Access Management), you can follow these steps:

### -Open the IAM console:



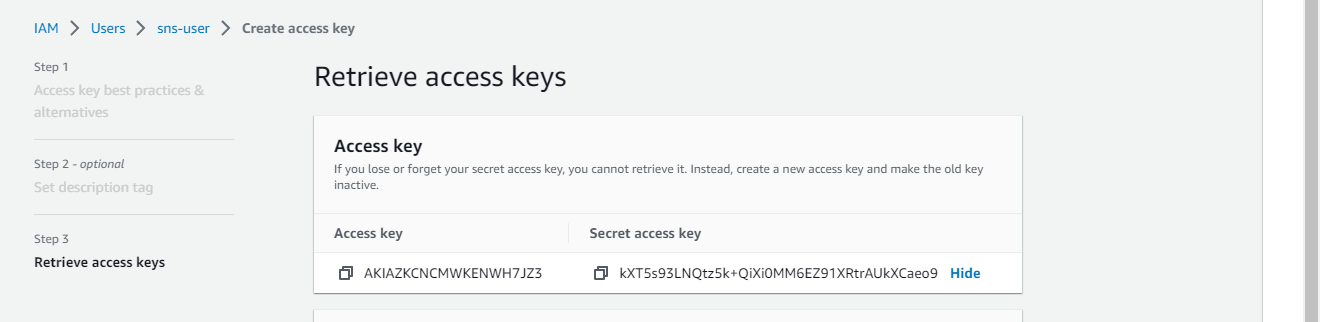
### -Create a user using IAM:

In the navigation pane, choose "user"->Set permission: Attach policies directly->next->create



### -Create access key:

Click on “sns-user” to start creating an access key->Security credentials-> Access keys:Create Access key: local code->next->create access key->Done



### -Configure the access key with terraform using the following command:

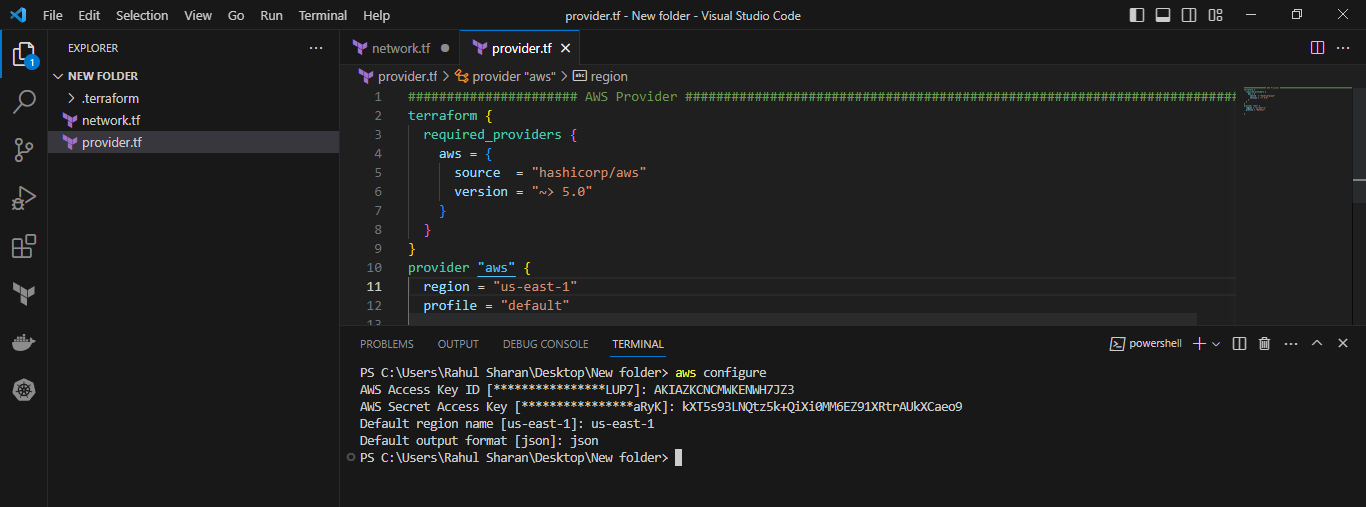
>aws configure

AWS Access Key ID [\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*LUP7]: AKIAZKCNCMWKENWH7JZ3

AWS Secret Access Key [\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*aRyK]: 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

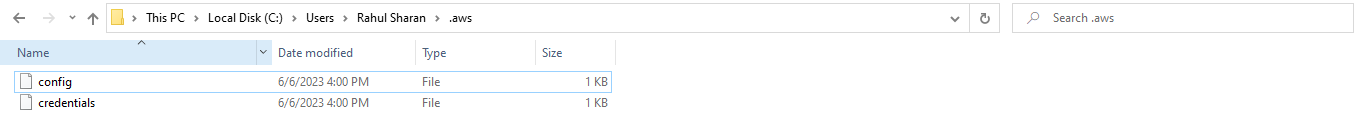
Default region name [us-east-1]: us-east-1

Default output format [json]: json

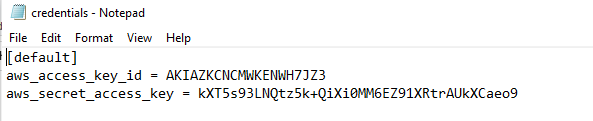


### -To check the .aws configuration file:

C:\Users\Rahul Sharan\.aws or > cat ~/.aws/config and >cat ~/.aws/credentials



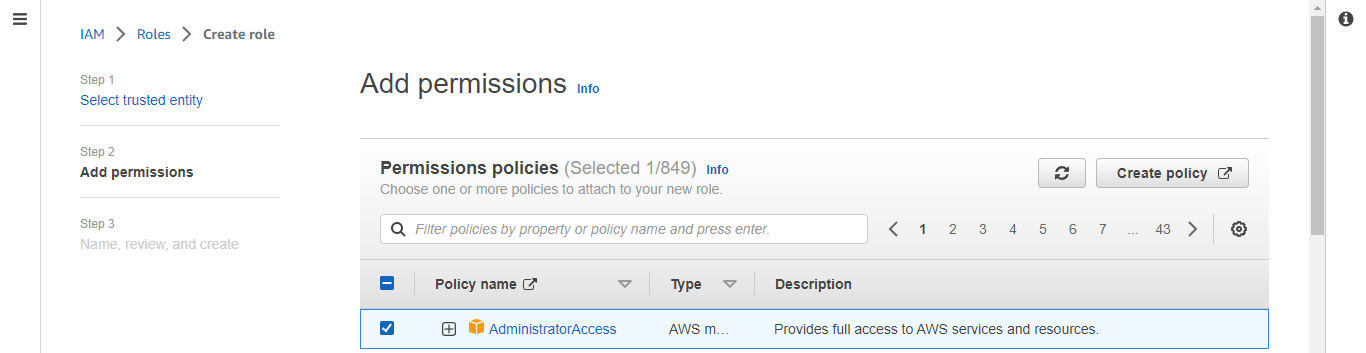


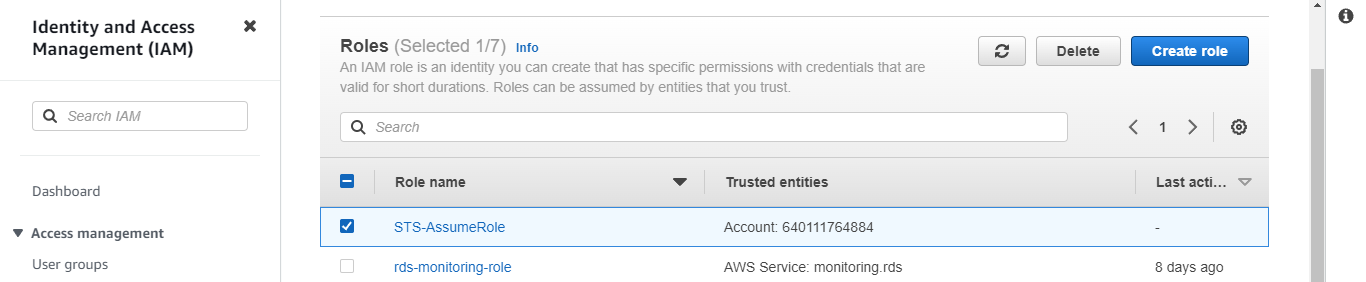


### -Create role:

Click on "Create role" to start creating a new role.

Trusted type->AWS account: use case->EC2->AWS Account: This account->Next->Add permission: Administrator access->next->Role name: STS-AssumeRole->Create role

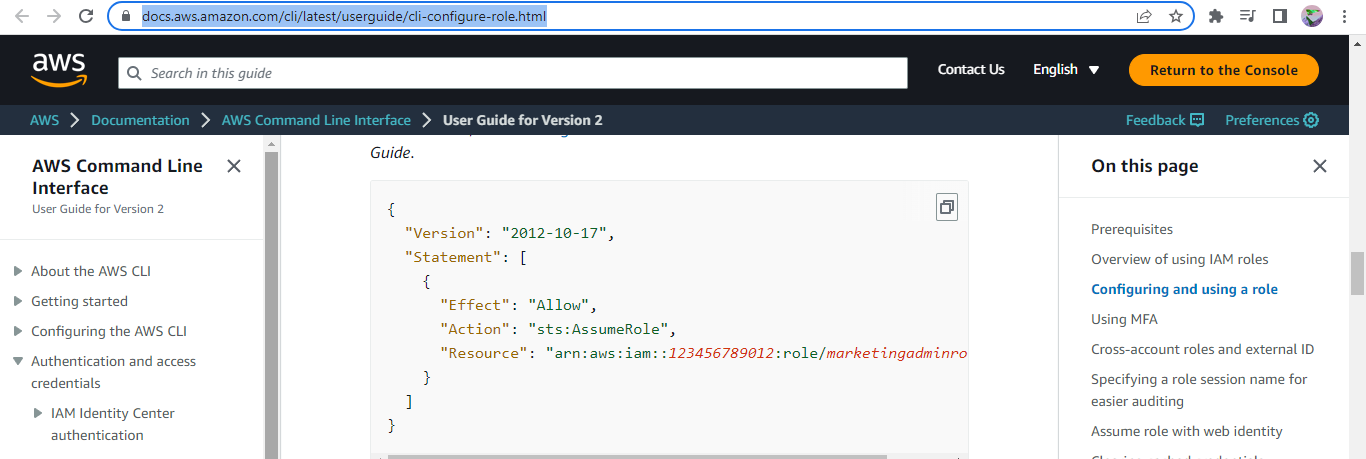


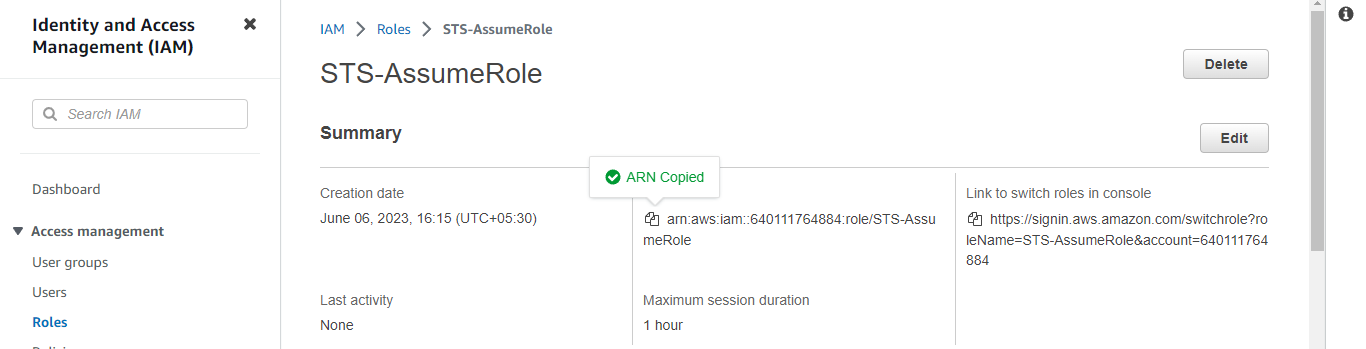


### -Add permission to user:

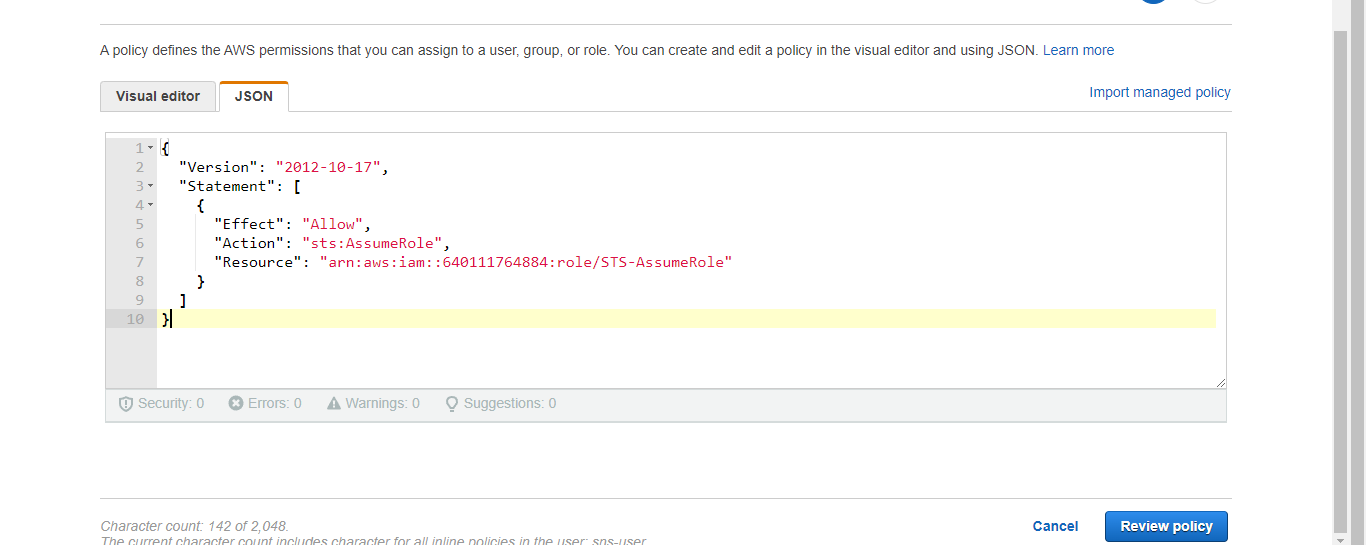
Configuring and using a role by using this link:

<https://docs.aws.amazon.com/cli/latest/userguide/cli-configure-role.html>

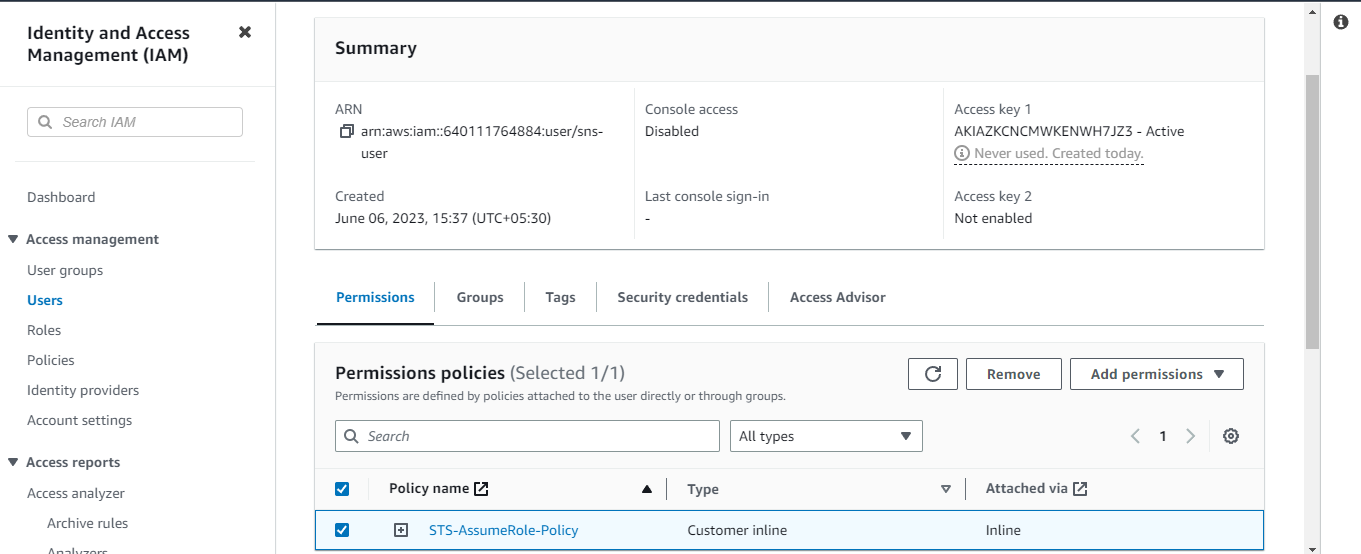




IAM->User: sts-user->permission: add permission: Create inline policy: JSON:->Review policy and Create



### -Successfully added the permission:



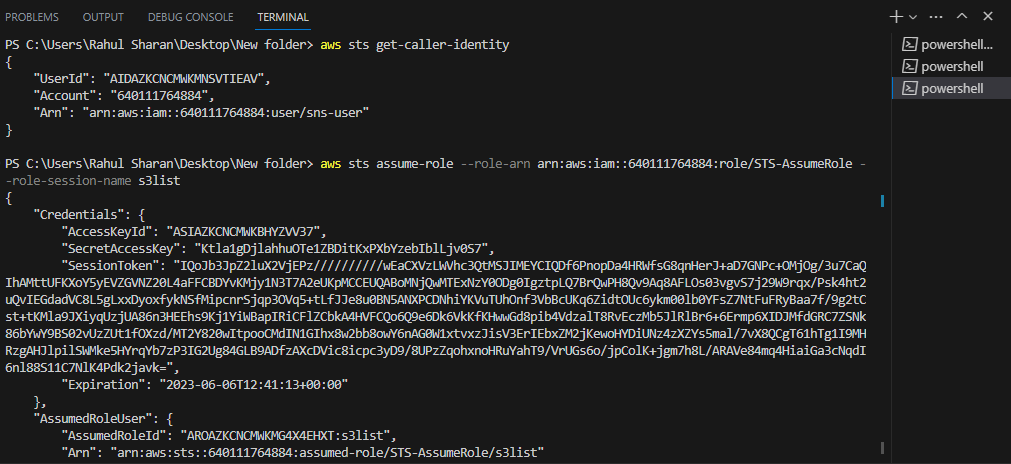
### -Create trust relationship:

IAM->Role:Trust-relationship

### -To check the session token by using the following commands:

> aws sts get-caller-identity

> aws sts assume-role --role-arn arn:aws:iam::640111764884:role/STS-AssumeRole --role-session-name s3list



### -To check the S3 list using the following commands

> cat ~/.aws/config

> aws s3 ls --profile sts

