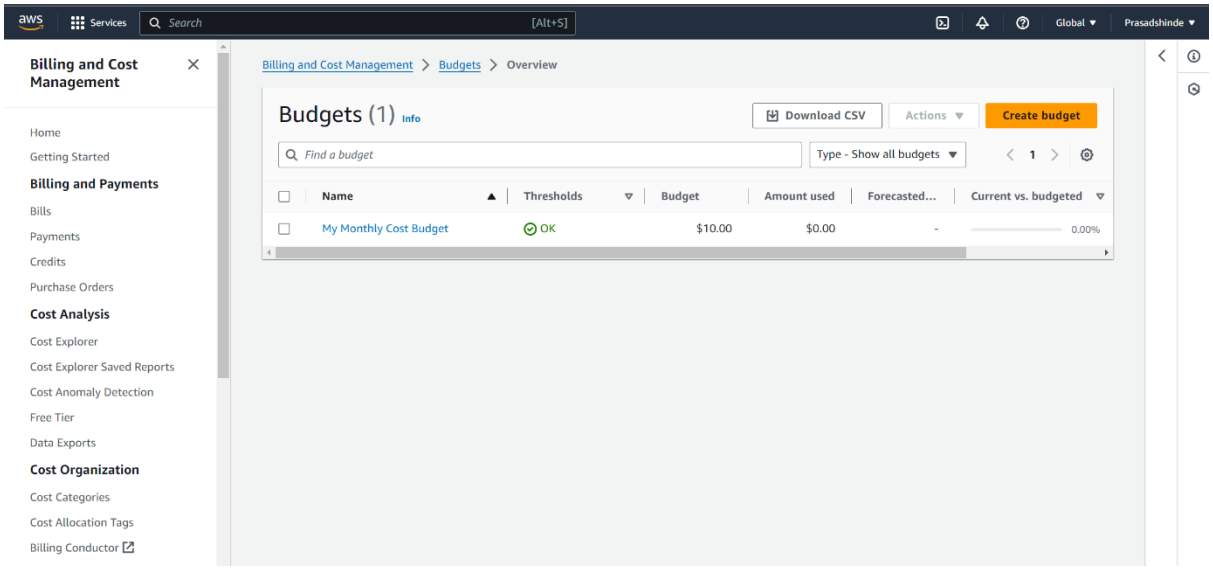
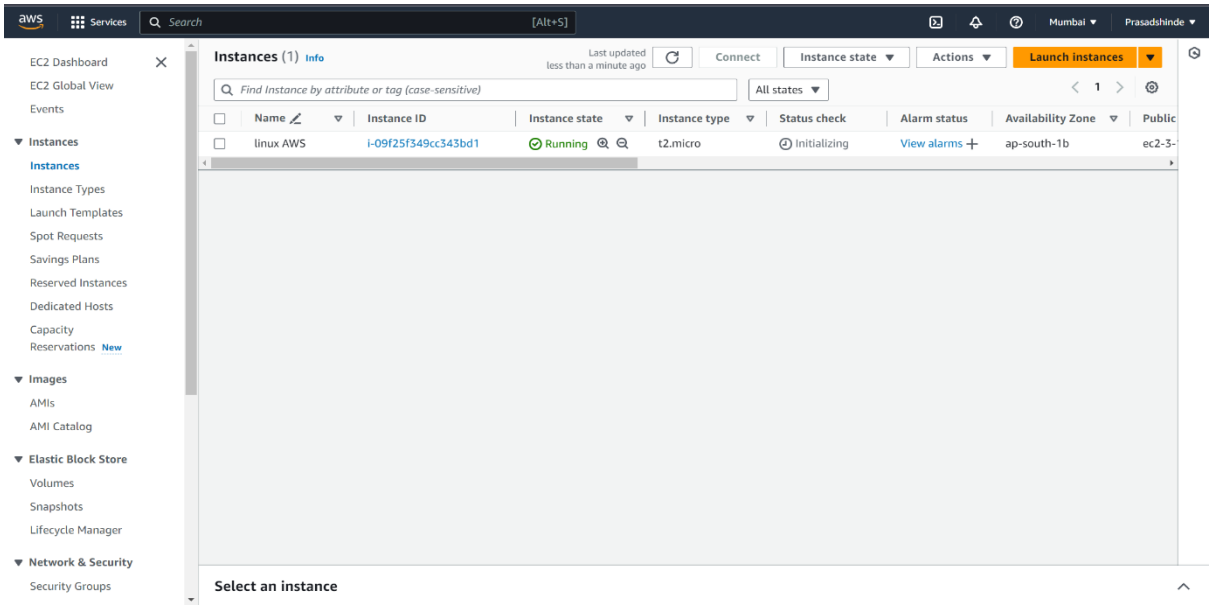
Praticals

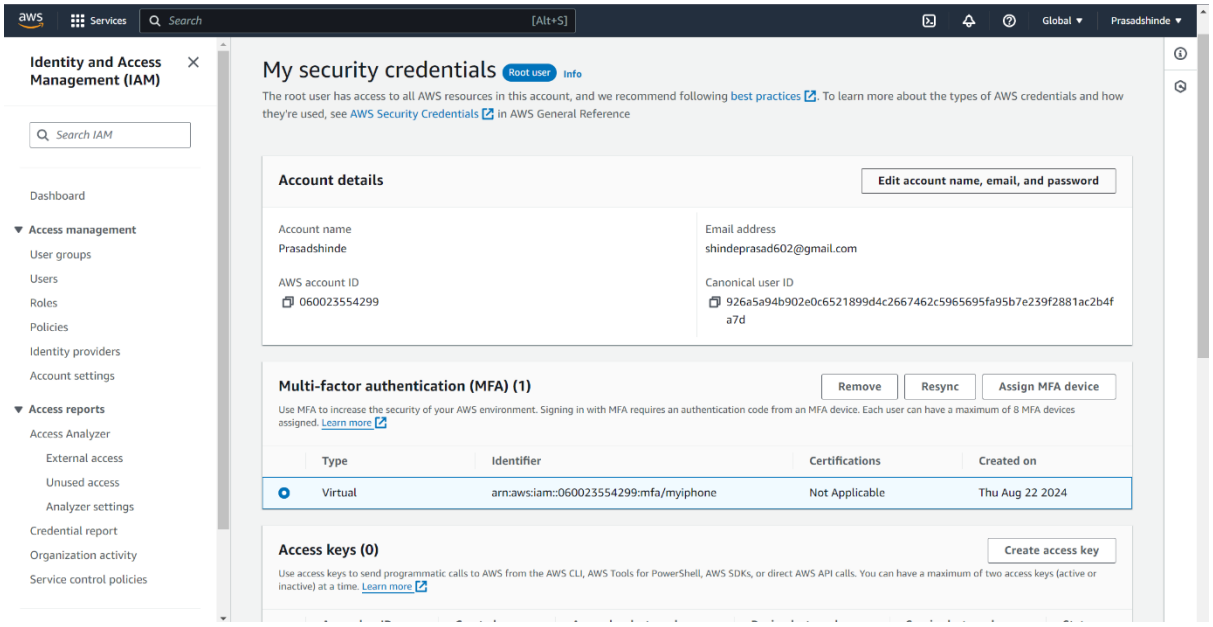
1.Setting billing alarm



2.Create linux EC2 instance in Mumbai region

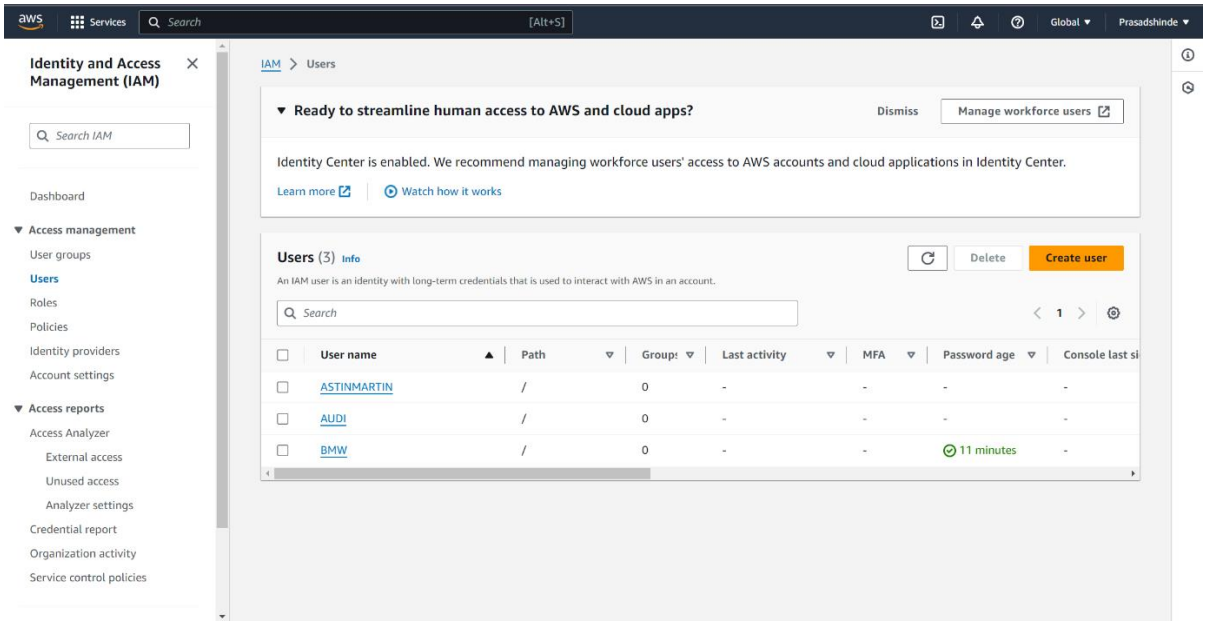


3.Setup MFA for root user

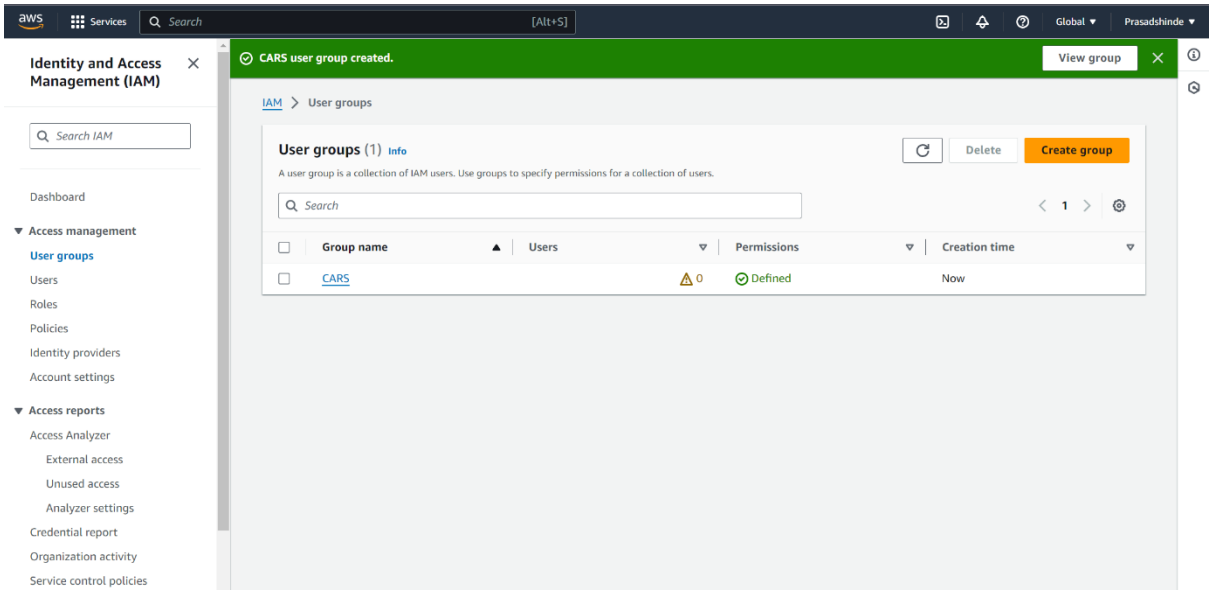


4.Create user ,group and role using GUI

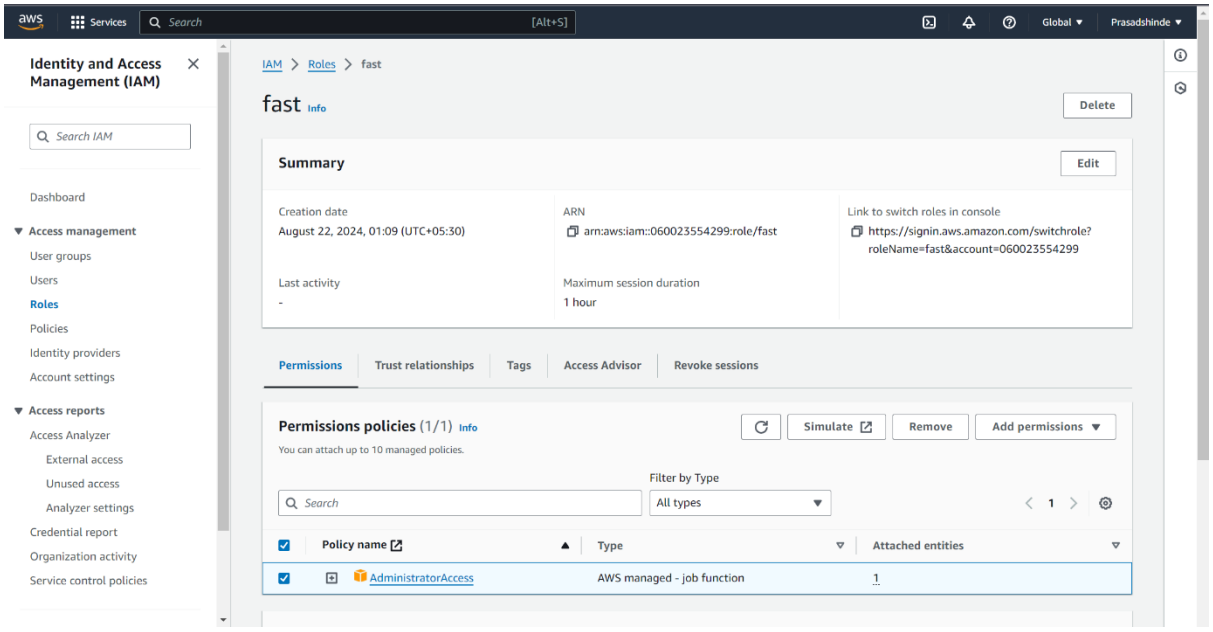
User



Group


aws
Services
Search
[Alt+S]
Global
Prasadshinde
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access Analyzer
External access
Unused access
Analyzer settings
Credential report
Organization activity
Service control policies
CARS user group created.
View group
IAM > User groups
User groups (1) Info
A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.
Delete
Create group
Search
1
Group name
Users
Permissions
Creation time
CARS
0
Defined
Now

Role


aws
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Identity and Access Management (IAM)
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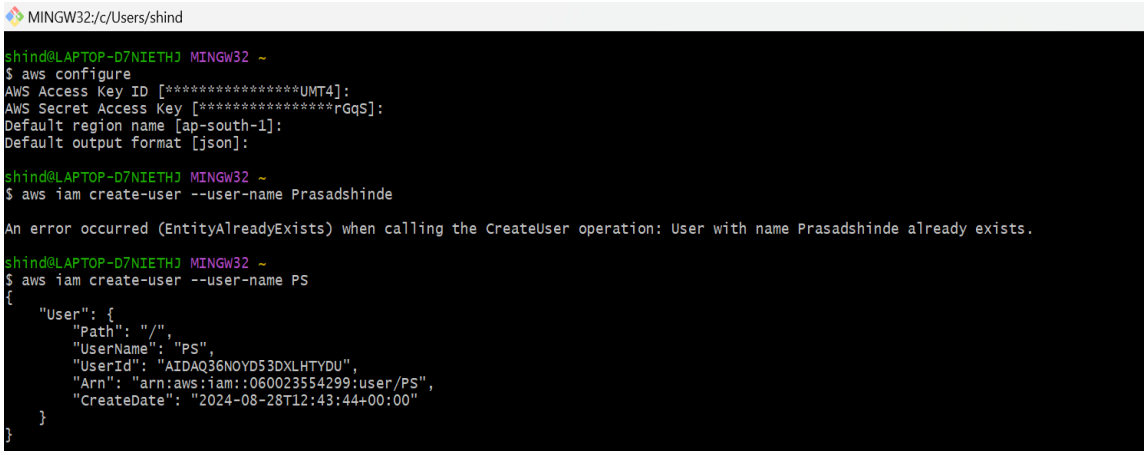
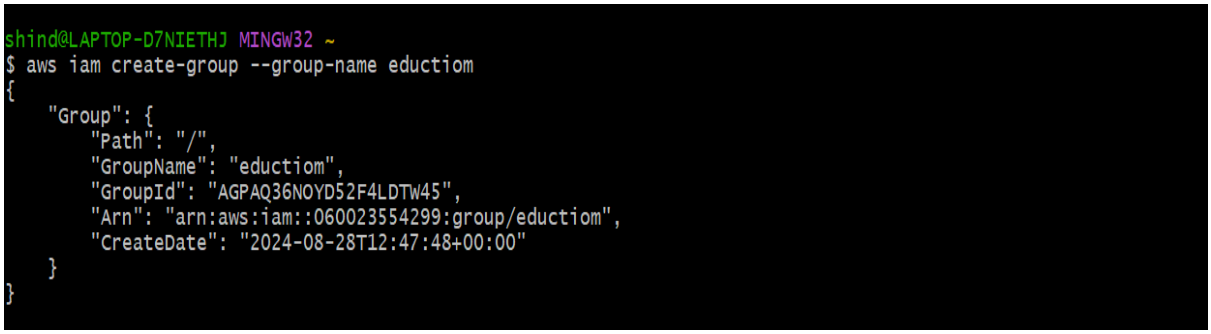
Account settings
Access reports
Access Analyzer
External access
Unused access
Analyzer settings
Credential report
Organization activity
Service control policies
IAM > Roles > fast
fast Info
Delete
Summary
Edit
Creation date
August 22, 2024, 01:09 (UTC+05:30)
ARN
arn:aws:iam::060023554299:role/fast
Link to switch roles in console
https://signin.aws.amazon.com/switchrole?roleName=fast&account=060023554299
Last activity
-
Maximum session duration
1 hour
Permissions
Trust relationships
Tags
Access Advisor
Revoke sessions
Permissions policies (1/1) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Filter by Type
Search
All types
1
Policy name
Type
Attached entities
AdministratorAccess
AWS managed - job function
1

5.Create user ,group and role using CLI

User



Group



Role

```
shind@LAPTOP-D7NIETHJ MINGW32 ~
$ aws iam get-role --role-name fast
{
    "Role": {
        "Path": "/",
        "RoleName": "fast",
        "RoleId": "AROAQ36NOYD5RUYLNJXX4",
        "Arn": "arn:aws:iam::060023554299:role/fast",
        "CreateDate": "2024-08-21T19:39:55+00:00",
        "AssumeRolePolicyDocument": {
            "Version": "2012-10-17",
            "Statement": [
                {
                    "Effect": "Allow",
                    "Principal": {
                        "AWS": "arn:aws:iam::060023554299:root"
                    },
                    "Action": "sts:AssumeRole",
                    "Condition": {
                        "Bool": {
                            "aws:MultiFactorAuthPresent": "true"
                        }
                    }
                }
            ]
        },
        "Description": "",
        "MaxSessionDuration": 3600,
        "RoleLastUsed": {}
    }
}
```

6.Attach role and access to instance

```
shind@LAPTOP-D7NIETHJ MINGW32 ~
$ aws iam list-attached-role-policies --role-name fast
{
    "AttachedPolicies": [
        {
            "PolicyName": "AmazonEC2FullAccess",
            "PolicyArn": "arn:aws:iam::aws:policy/AmazonEC2FullAccess"
        },
        {
            "PolicyName": "AdministratorAccess",
            "PolicyArn": "arn:aws:iam::aws:policy/AdministratorAccess"
        }
    ]
}
```

```
shind@LAPTOP-D7NIETHJ MINGW32 ~
$ aws iam create-instance-profile --instance-profile-name ec209
{
    "InstanceProfile": {
        "Path": "/",
        "InstanceProfileName": "ec209",
        "InstanceProfileId": "AIPAQ36NOYD577Y67CYM5",
        "Arn": "arn:aws:iam::060023554299:instance-profile/ec209",
        "CreateDate": "2024-08-28T12:57:54+00:00",
        "Roles": []
    }
}
```