

Name- Pranjul Singhal

College- GLA University, Mathura

Email id- Pranjul.singhal_ccv17@gla.ac.in

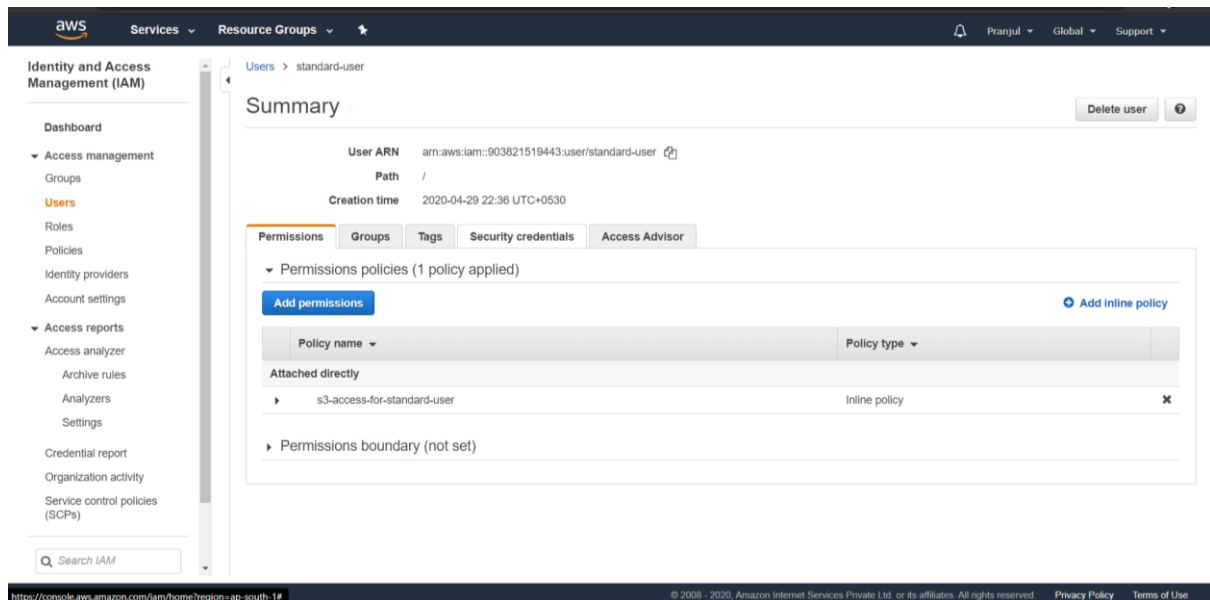
Task-4

AWS CLI

Access your AWS account from linux terminal or windows command prompt / power shell and perform following task. Launch one instance with one free tier AMI on a free tier instance type and take its remote access (ssh/remote access).

Steps-

- 1- Login to AWS Console
- 2- Go to IAM service > users > create user
- 3- After creating user click on create access key. Download .csv file and remember the access key id and secret access key.



Identity and Access Management (IAM)

Sign-in credentials

Summary • User does not have console management access

Console password Disabled | [Manage](#)

Assigned MFA device Not assigned | [Manage](#)

Signing certificates None

Access keys

Use access keys to make secure REST or HTTP Query protocol requests to AWS service APIs. For your protection, you should never share your secret keys with anyone. As a best practice, we recommend frequent key rotation. [Learn more](#)

[Create access key](#)

Access key ID	Created	Last used	Status
AKIA5E37V5JJWZQP8Y3	2020-04-30 06:46 UTC+0530	2020-05-12 18:54 UTC+0530 with s3 in us-east-1	Active Make inactive ✕

SSH keys for AWS CodeCommit

Use SSH public keys to authenticate access to AWS CodeCommit repositories. [Learn more](#)

[Upload SSH public key](#)

SSH key ID	Uploaded	Status
No results		

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Create access key

Success

This is the **only** time that the secret access keys can be viewed or downloaded. You cannot recover them later. However, you can create new access keys at any time.

[Download .csv file](#)

Access key ID	Secret access key
AKIA5E37V5JJQ3IHRMXN	***** Show

[Close](#)

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4- Now, go to command prompt > Run as administrator

Command Prompt

App

Best match

Apps

Git CMD (Deprecated)

Search the web

cmd - See web results

Settings (1)

Open


Run as administrator

Open file location

Pin to Start

Pin to taskbar

cmd



5- After opening command prompt run the following commands-

```
aws --version
```

```
aws configure
```

```
AWS Access Key ID: AKIAIXD2QEIMIJIV3TMA
```

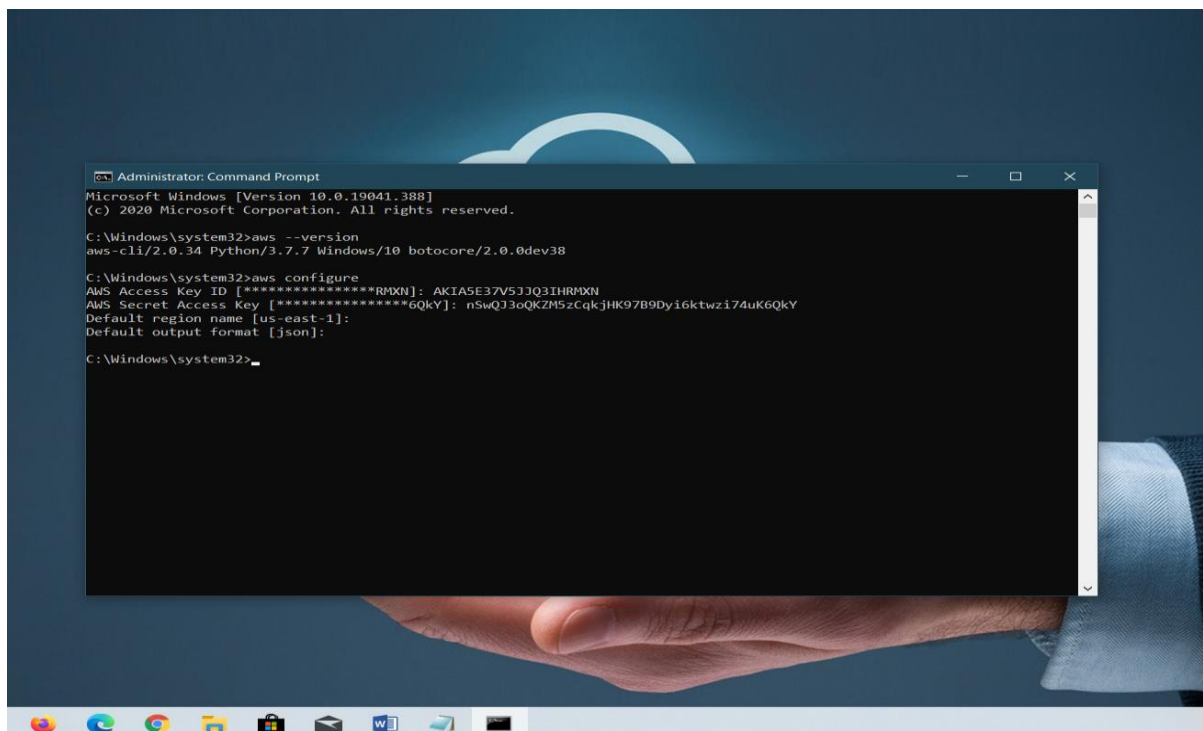
```
AWS Secret Access Key: a2/xEYrCKluPdx59/swO1HbB+HOh49uFEoyoRyhl
```

```
Default region name: us-east-1
```

```
Default output format: json
```

```
aws ec2 run-instances --image-id ami-09d8b5222f2b93bf0 --count 1 --instance-type  
t2.micro --key-name test --security-group-ids sg-063664c35bb3eef5c --subnet-id  
subnet-471f8f79
```

```
aws ec2 create-tags --resources i-014f1fe0e0c0e6893 --tags key=Name,  
Value=MyEC2fromCLI
```



```
C:\WINDOWS\system32>aws ec2 run-instances --image-id ami-09d8b5222f2b93bf0 --count 1 --instance-type t2.micro --key-name test --security-group-ids sg-063664c35bb3eef5c --subnet-id subnet-471f8f79
```

```
{
  "Groups": [],
  "Instances": [
    {
      "AmiLaunchIndex": 0,
      "ImageId": "ami-09d8b5222f2b93bf0",
      "InstanceId": "i-014f1fe0e0c0e6893",
      "InstanceType": "t2.micro",
      "KeyName": "test",
      "LaunchTime": "2020-07-28T05:44:01+00:00",
      "Monitoring": {
        "State": "disabled"
      },
      "Placement": {
        "AvailabilityZone": "us-east-1e",
        "GroupName": "",
        "Tenancy": "default"
      },
      "PrivateDnsName": "ip-172-31-78-240.ec2.internal",
      "PrivateIpAddress": "172.31.78.240",
      "ProductCodes": [],
      "PublicDnsName": "",
      "State": {
        "Code": 0,
        "Name": "pending"
      }
    }
  ]
}
```

New EC2 Experience

EC2 Dashboard

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Feedback

English (US)

Launch Instance

Connect

Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
	i-014f1fe0e0c0e6893	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-54-227-200-217.co...	54.227.200.217	-	test
	i-024b19a40c51ab43	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-34-203-201-209.co...	34.203.201.209	-	test

Instance: i-014f1fe0e0c0e6893 Public DNS: ec2-54-227-200-217.compute-1.amazonaws.com

Description

Status Checks

Monitoring

Tags

Instance ID

Instance state

Instance type

Finding

Private DNS

Private IPs

Public DNS (IPv4)

IPv4 Public IP

IPv6 IPs

Elastic IPs

Availability zone

Security groups

launch-wizard-1 view inbound rules view outbound rules

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```
Select Administrator: Command Prompt
```

```
Unknown parameter in Tags[0]: "key", must be one of: Key, Value
```

```
C:\WINDOWS\system32>aws ec2 create-tags --resources i-014f1fe0e0c0e6893 --tags Key=Name,Value=MyEC2fromCLI
```

```
C:\WINDOWS\system32>
```

New EC2 Experience

EC2 Dashboard

Events

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Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
MyEC2fromCLI	i-014f1fe0e0c0e6893	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-54-227-200-217.co...	54.227.200.217	-	test
	i-024b19a40c51ab43	t2.micro	us-east-1e	running	2/2 checks ...	None	ec2-34-203-201-209.co...	34.203.201.209	-	test

Instance: i-014f1fe0e0c0e6893 (MyEC2fromCLI)

Public DNS: ec2-54-227-200-217.compute-1.amazonaws.com

Description

Status Checks

Monitoring

Tags

Instance ID

Instance state

Instance type

Finding

Private DNS

Private IPs

Public DNS (IPv4)

IPv4 Public IP

IPv6 IPs

Elastic IPs

Availability zone

Security groups

i-014f1fe0e0c0e6893

running

t2.micro

Opt-in to AWS Compute Optimizer for recommendations. Learn more

ip-172-31-78-240.ec2.internal

172.31.78.240

ec2-54-227-200-217.compute-1.amazonaws.com

54.227.200.217

-

us-east-1e

launch-wizard-1 view inbound rules view outbound rules

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