

## AWS IAM

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### Demo Document 2

edureka!

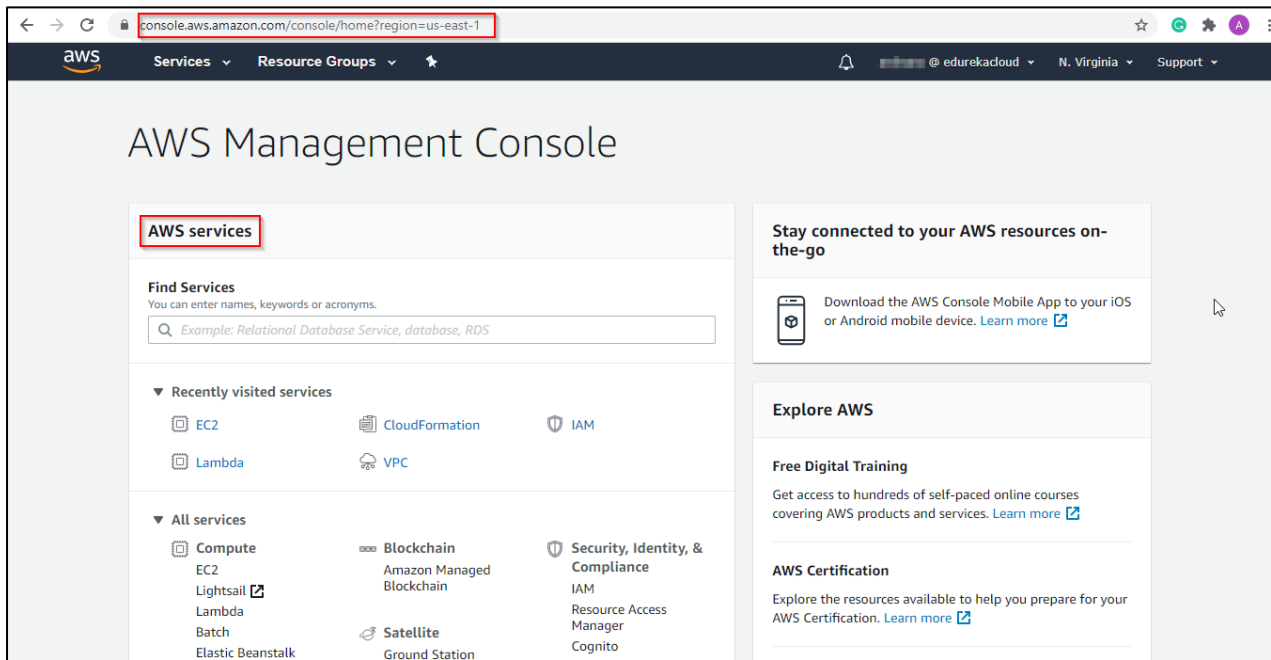
**edureka!**

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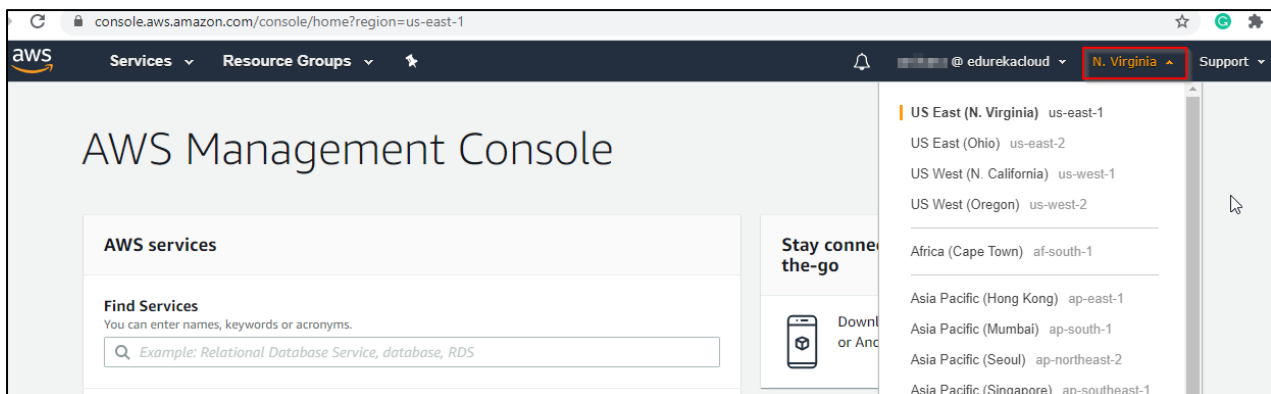
## A) Explore Console and Create S3 Bucket via Console

- Enter the below URL to start using console

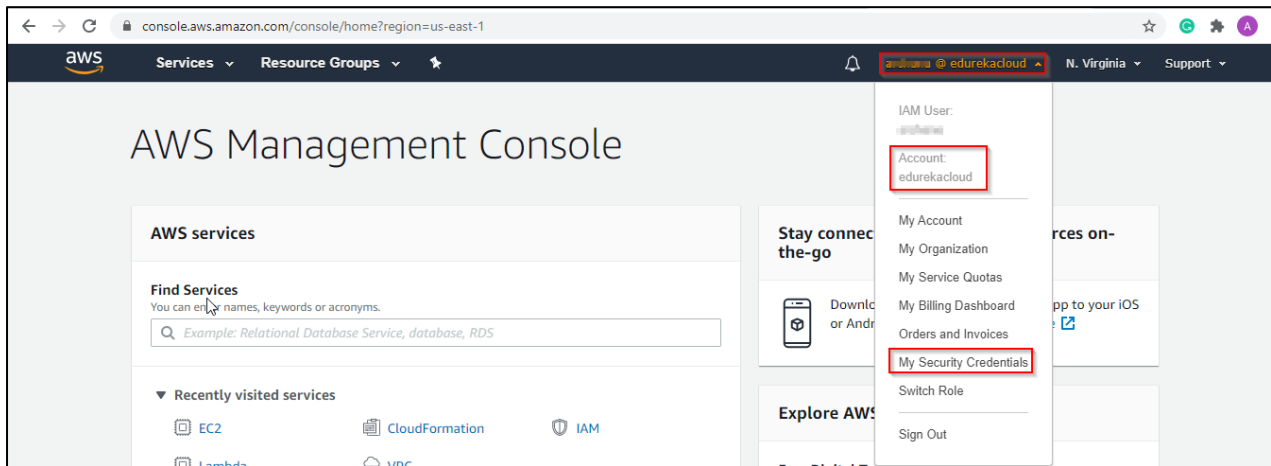
<https://aws.amazon.com/console/>



- Choose the desired region

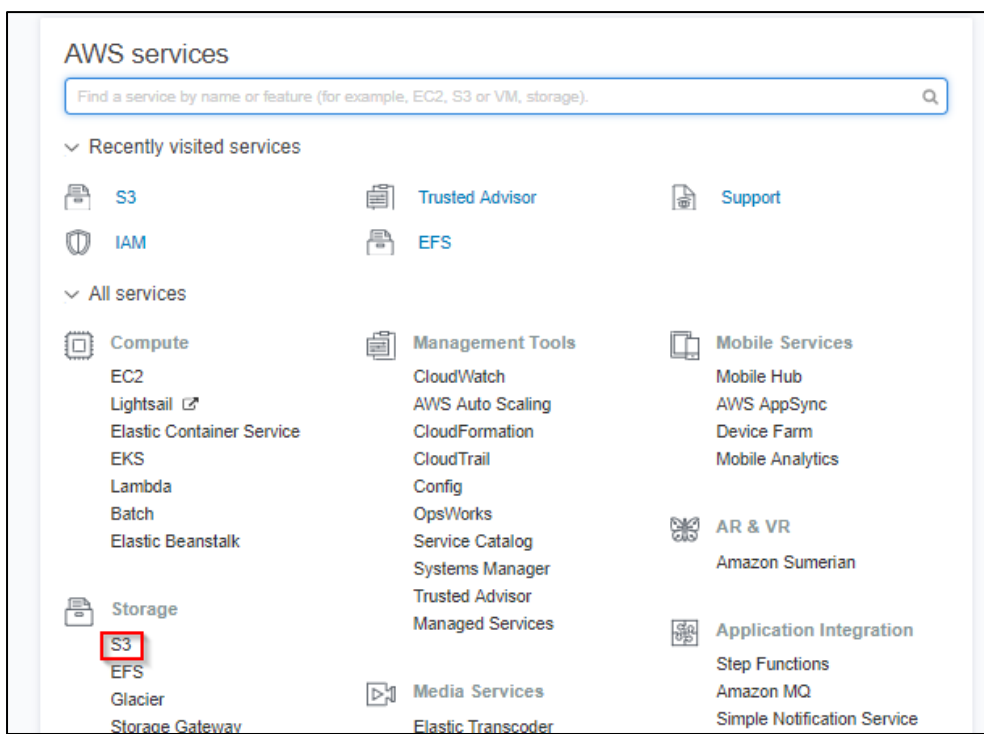


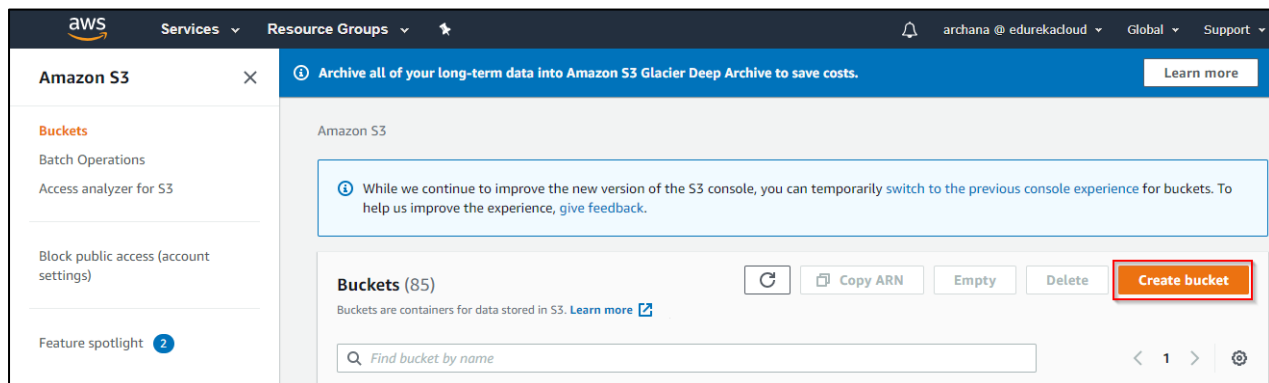
- Incase, if you want to log-out or get the account details



Now lets see how to configure S3 bucket via console:

**Step 1:** Sign in to the AWS Management Console and open the Amazon S3.



**Step 2: Choose Create Bucket.**


**Step 3:** In the Bucket name space, type a unique name for your new bucket, as demonstrated below. Create your bucket name while ensuring that the name is unique across all existing bucket names in Amazon S3. Specify the AWS Region.

 This screenshot shows the 'Create bucket' form in the Amazon S3 console. The form has a title 'Create bucket' and a subtitle 'Buckets are containers for data stored in S3. Learn more'. Under the 'General configuration' section, there are two fields: 'Bucket name' and 'Region'. The 'Bucket name' field contains the text 'firstedurekabucket' and is highlighted with a red border. Below it, a note states 'Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming'. The 'Region' field is a dropdown menu showing 'US East (Ohio) us-east-2' and is also highlighted with a red border.

- Make sure you uncheck block all public access, to make your bucket publically accessible. Then click on **Create bucket**


☒ **Block all public access**  
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.


- ☐ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**  
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**  
S3 will ignore all ACLs that grant public access to buckets and objects.
- ☐ **Block public access to buckets and objects granted through *new* public bucket or access point policies**  
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**  
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

 **Turning off block all public access might result in this bucket and the objects within becoming public**  
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.


☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.






**Step 4:** From the list of buckets, select the bucket **Your Bucket**.

 **Successfully created bucket "firstedurekabucket"**  
To upload files and folders, or to configure additional bucket settings such as Bucket Versioning, tags, and default encryption, choose [View details](#).



 **S3 Replication lets you simply copy objects from one S3 bucket to another.** [Learn more](#)


Amazon S3

 While we continue to improve the new version of the S3 console, you can temporarily [switch to the previous console experience](#) for buckets. To help us improve the experience, [give feedback](#).

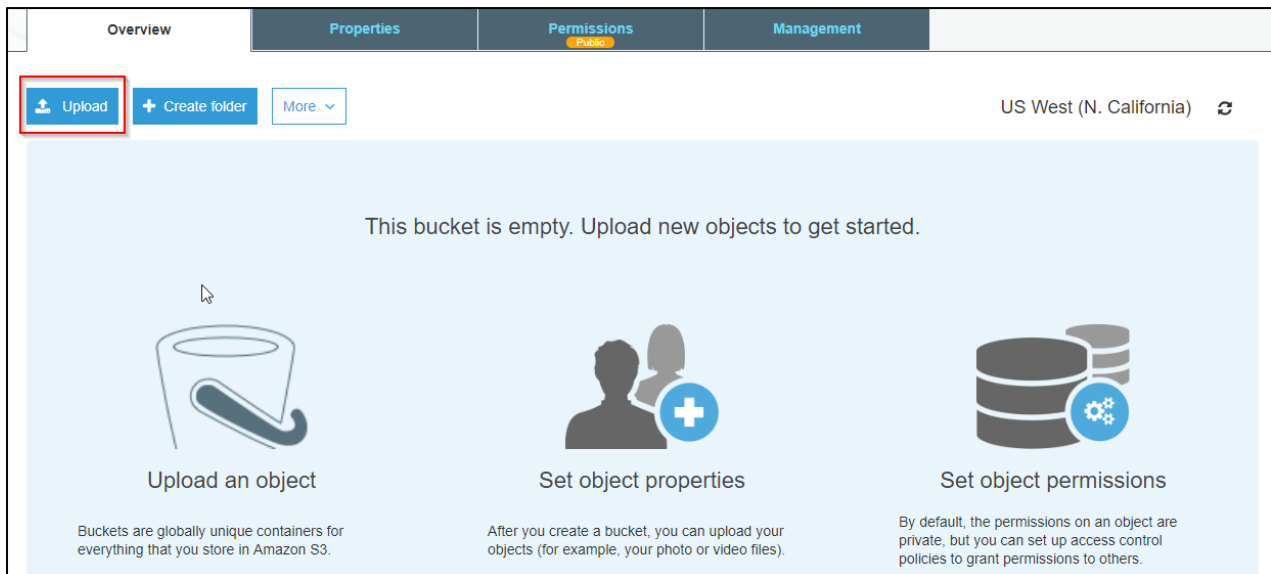
**Buckets (86)**   Copy ARN  Empty  Delete  Create bucket

Buckets are containers for data stored in S3. [Learn more](#)

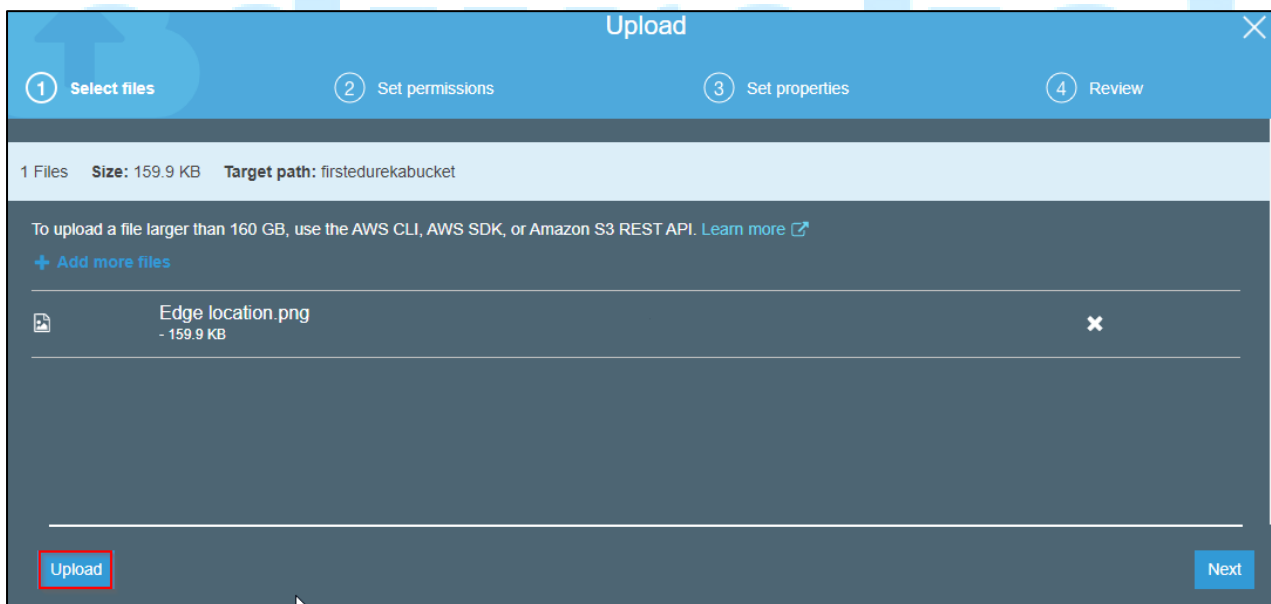
 1 match < 1 > 

Name	Region	Access	Creation date
 firstedurekabucket	US East (Ohio) us-east-2	Bucket and objects not public	June 11, 2020, 15:27 (UTC+05:30)

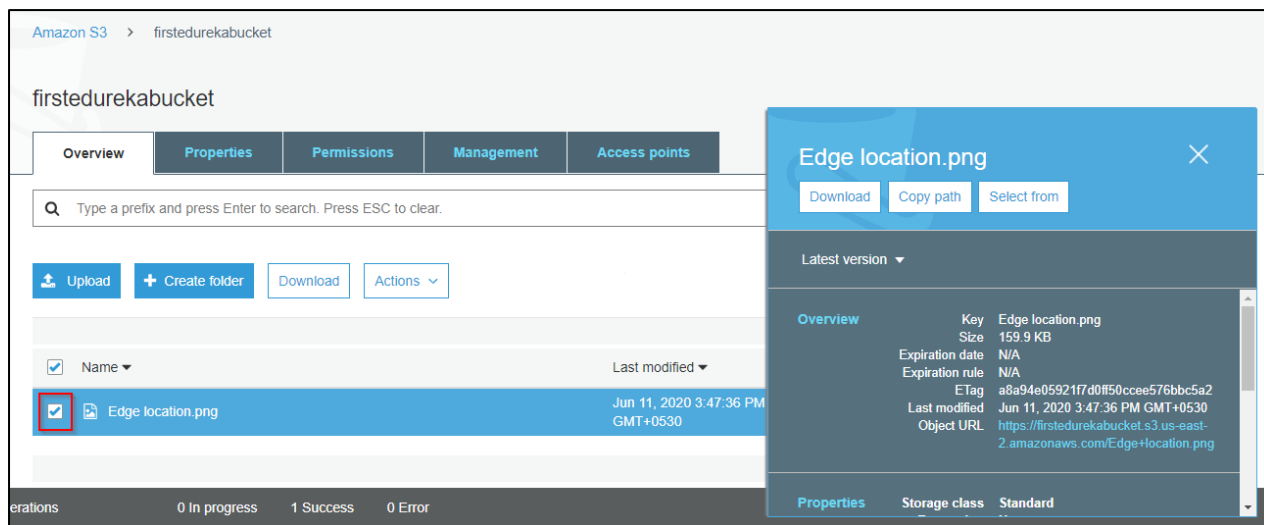
**Step 5:** Upload the file in the created bucket



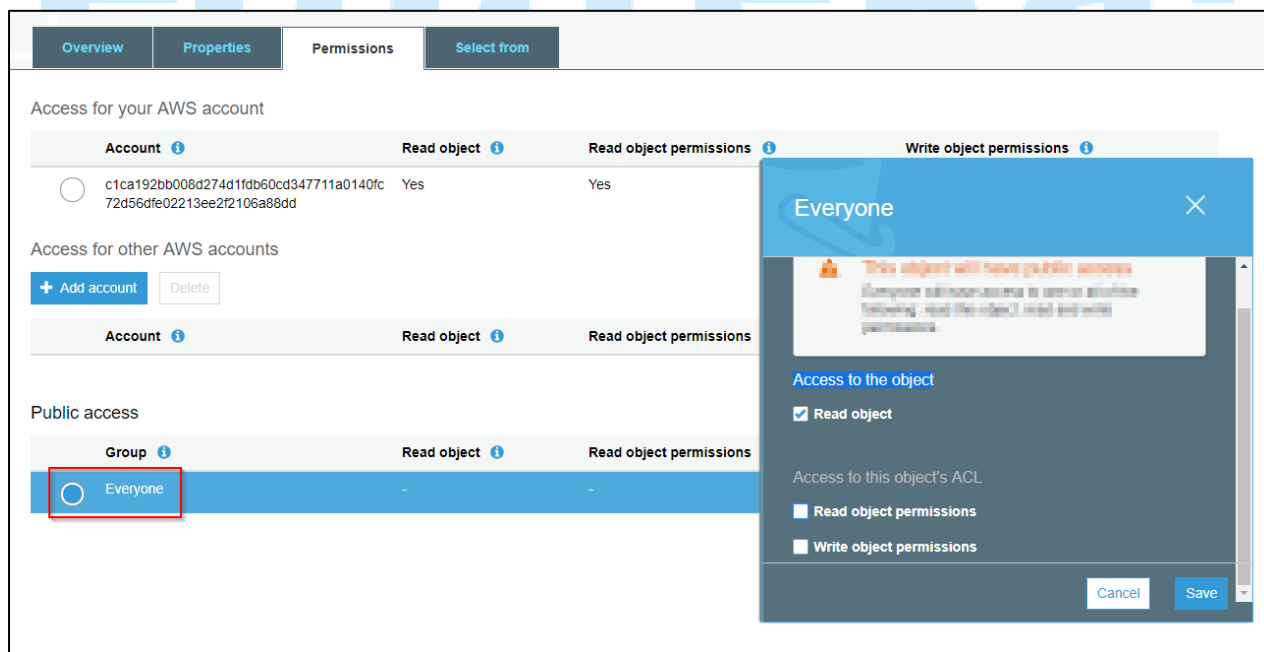
**Step 6:** Click on **Upload**.



**Step 7:** Open the document (uploaded file).



**Step 8:** Go to **Permissions** and make available to public and check **Everyone** on the left and **Read object** on the right and hit **Save**.



**Step 9:** Go back to **Overview** and click on **Make Public**.

Overview

Properties

Permissions

Select from

Success

Open

Download

Download as

Make public

Copy path

**Owner**  
support

**Last modified**  
Aug 13, 2018 11:56:06 AM GMT+0530

**Etag**  
351626e054338e384316c45d59235a1b

**Storage class**  
Standard

**Server-side encryption**  
None

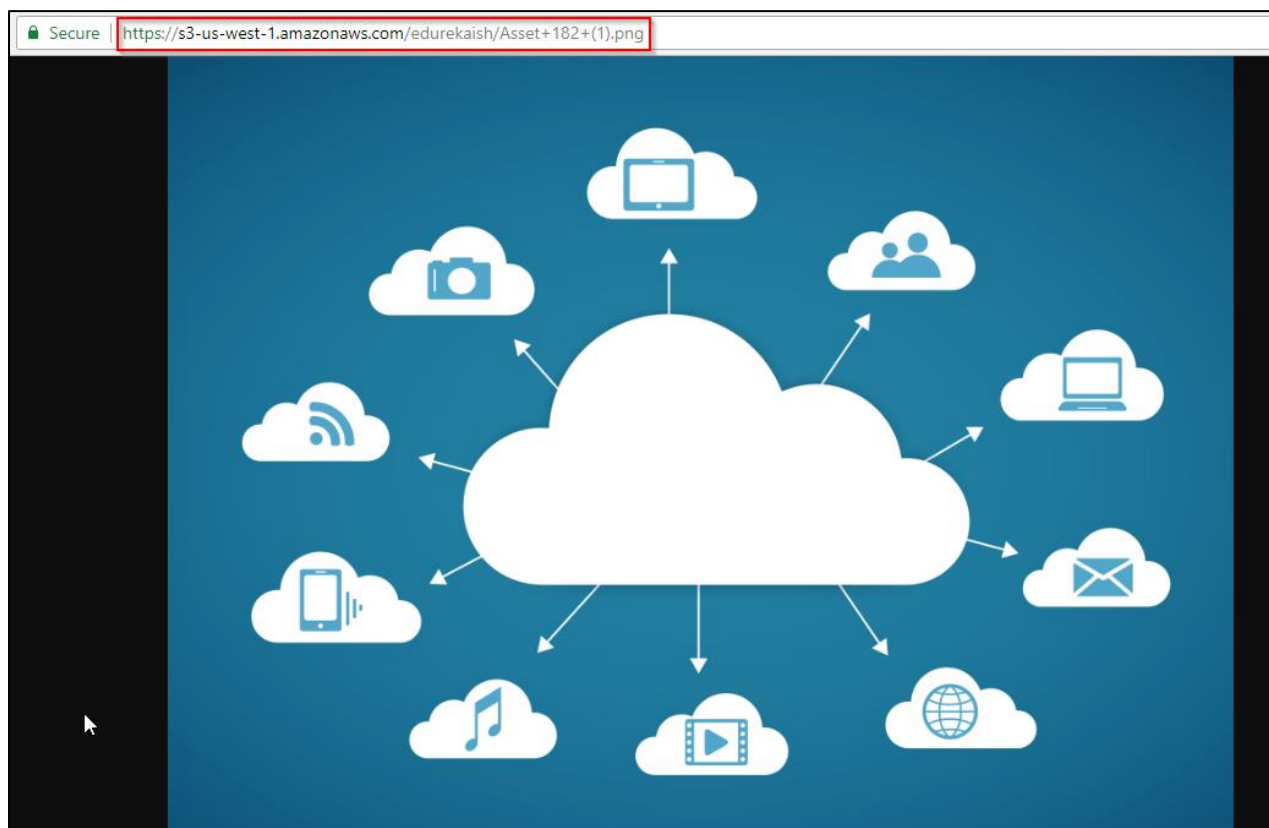
**Size**  
599673

**Link**  
[https://s3-us-west-1.amazonaws.com/edurekaish/Asset+182+\(1\).png](https://s3-us-west-1.amazonaws.com/edurekaish/Asset+182+(1).png)

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**Step 10:** Copy the link and paste it in the address bar of a browser.



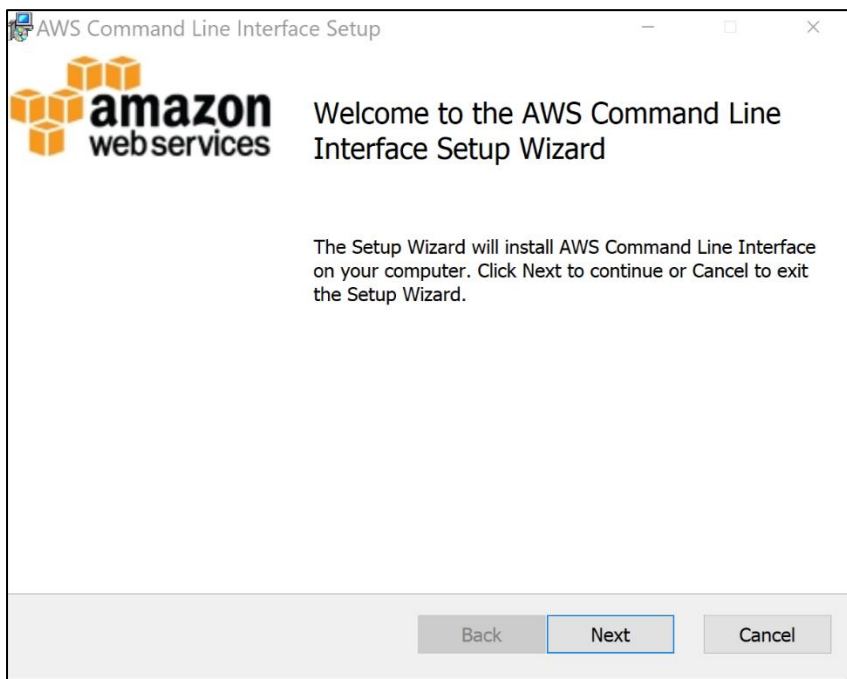
## B) Configure AWS CLI and Create S3 Bucket via CLI

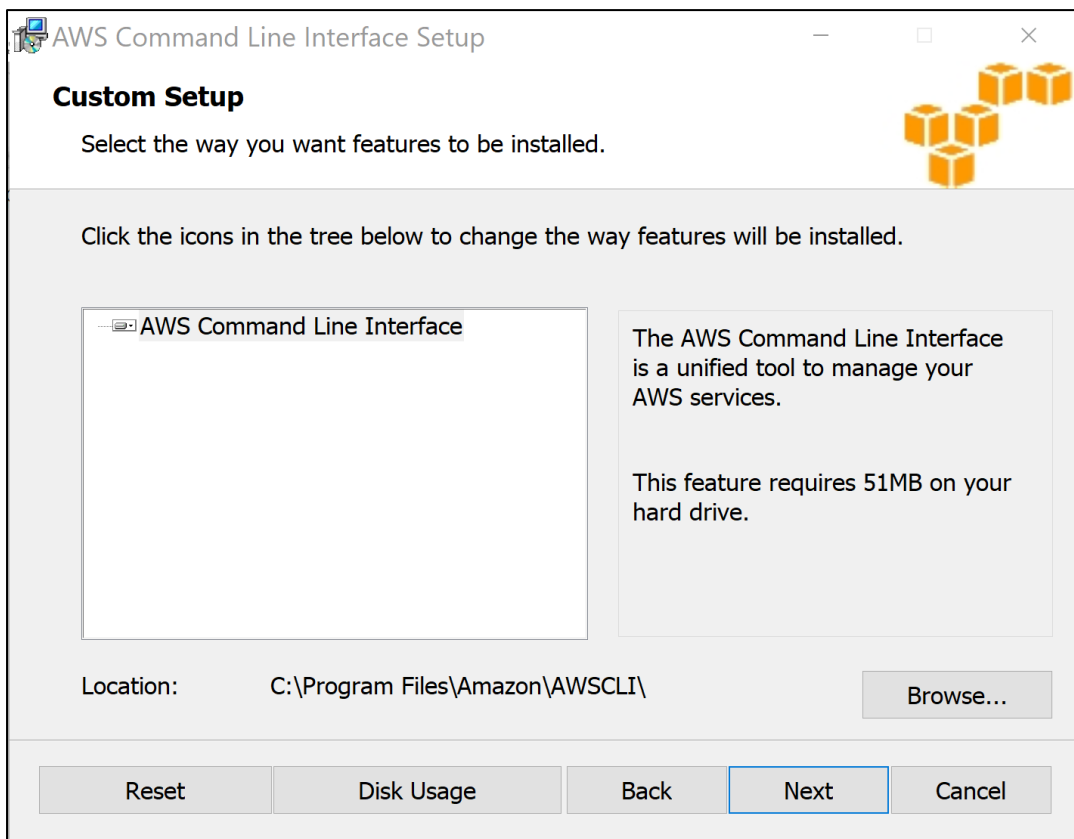
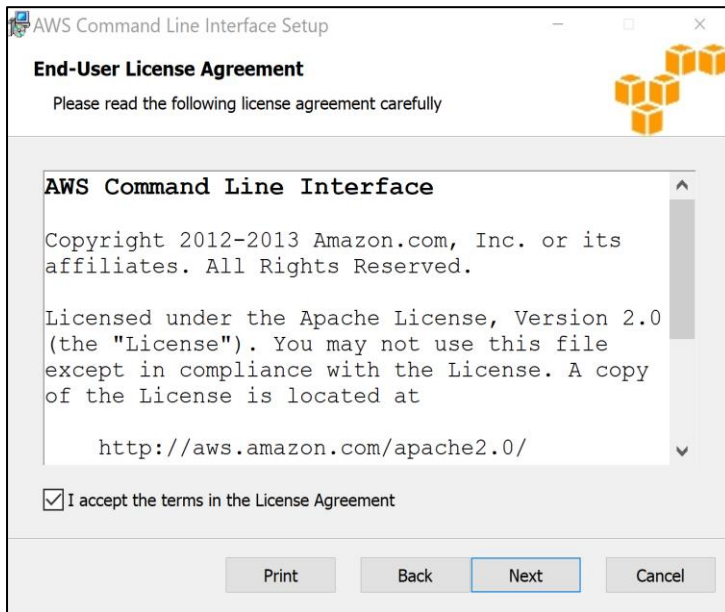
**Step 1:** Download the appropriate MSI installer based on your operating system (32/64 bit) from one of the following links.

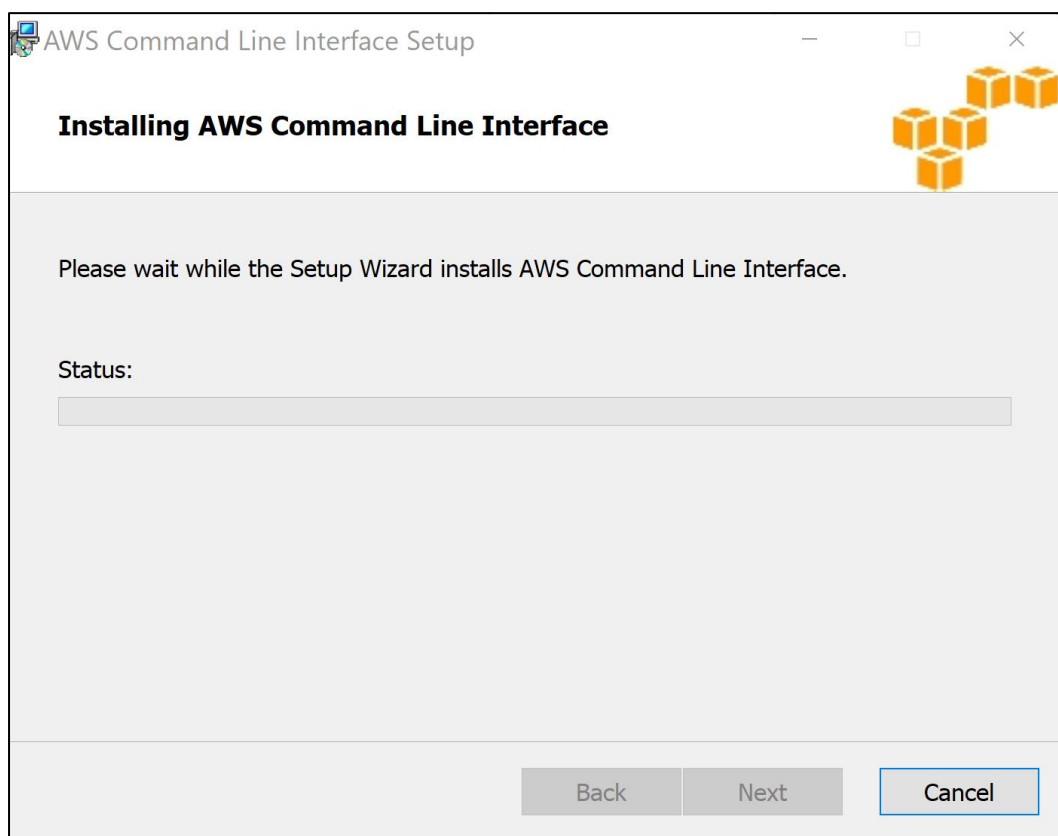
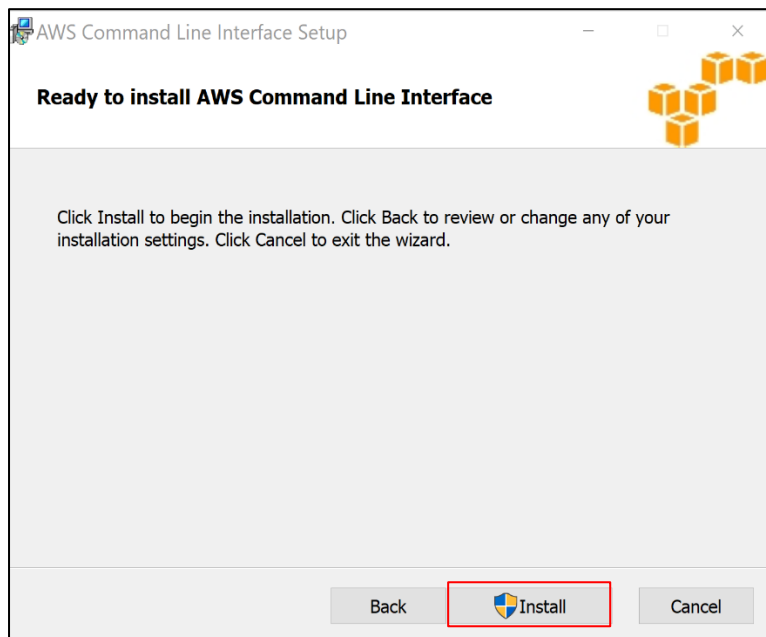
<https://s3.amazonaws.com/aws-cli/AWSCLI64.msi>

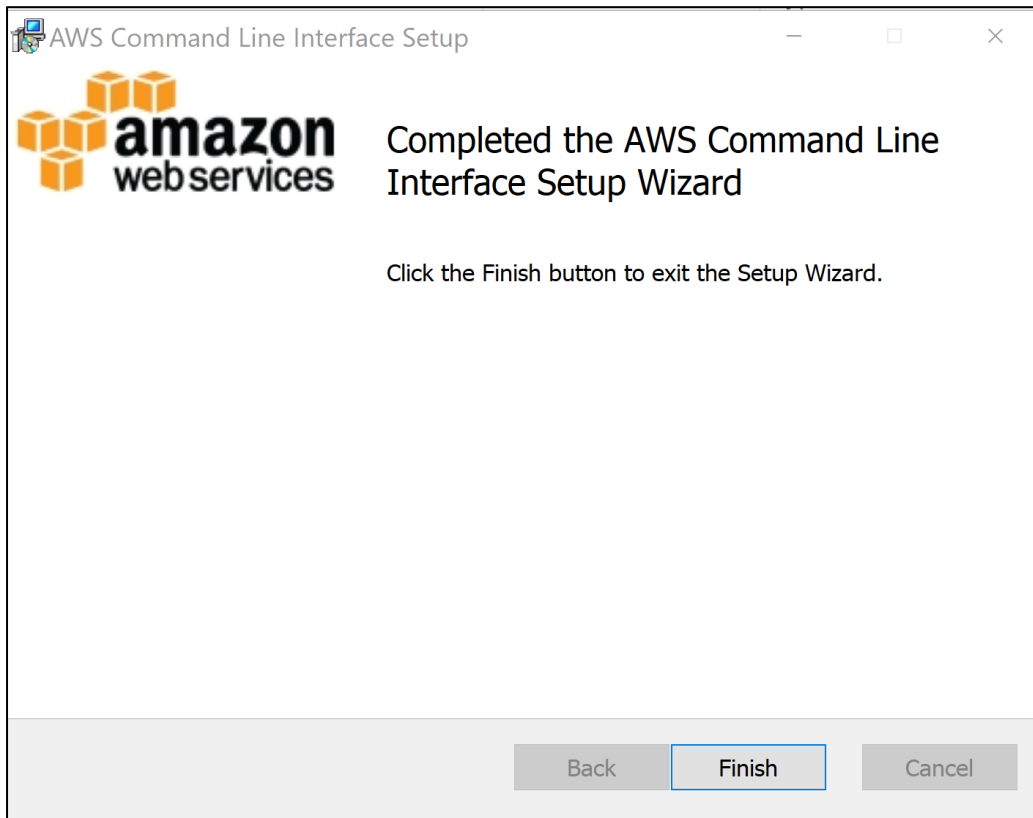
<https://s3.amazonaws.com/aws-cli/AWSCLI32.msi>

**Step 2:** Run the downloaded MSI installer and install it by following the below screenshots.



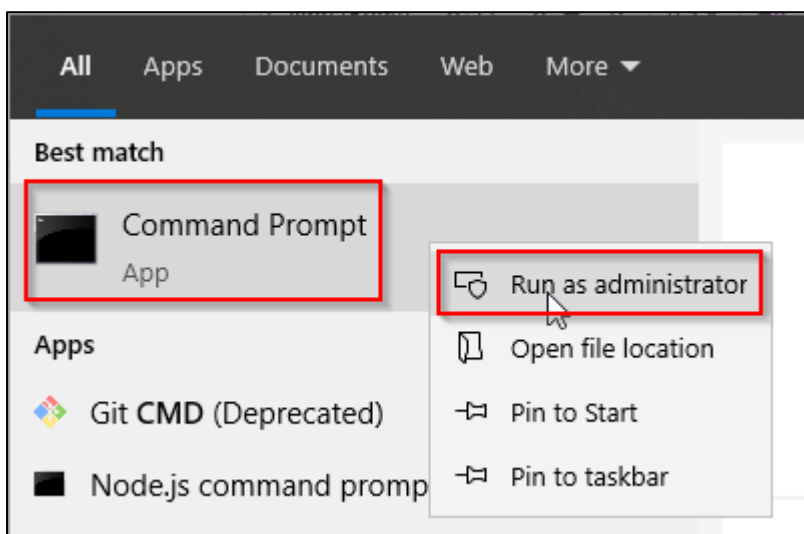


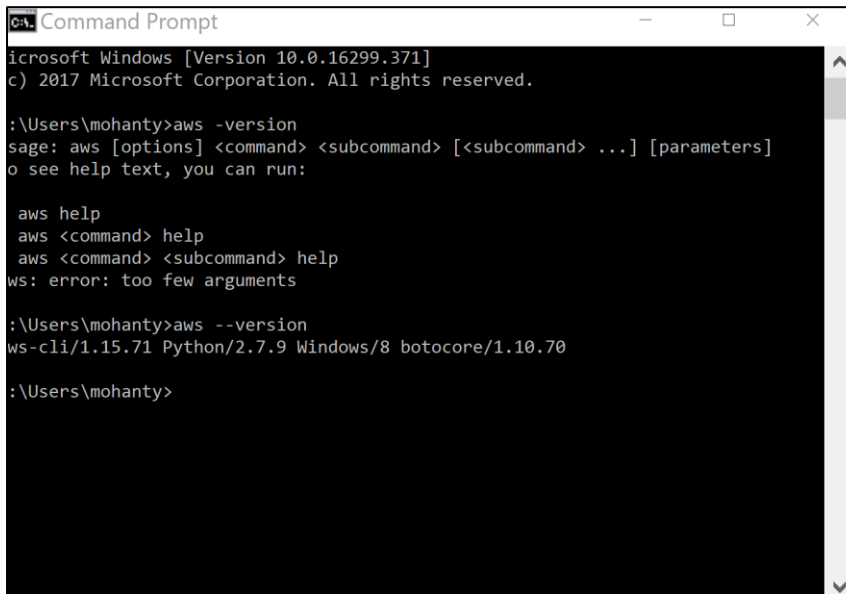




**Step 3:** Open **Command Prompt** and verify the AWS version using the below command

```
aws --version
```





```
C:\> Command Prompt
Microsoft Windows [Version 10.0.16299.371]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\mohanty>aws -version
Usage: aws [options] <command> [<subcommand> [<subcommand> ...] [parameters]]
To see help text, you can run:

    aws help
    aws <command> help
    aws <command> <subcommand> help
aws: error: too few arguments

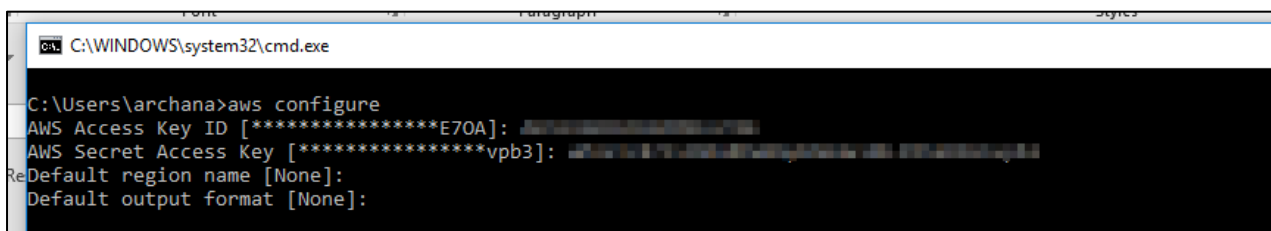
C:\Users\mohanty>aws --version
aws-cli/1.15.71 Python/2.7.9 Windows/8 botocore/1.10.70

C:\Users\mohanty>
```

**Step 4:** Connect to your AWS account using command:

*aws configure*

Enter Access Key ID and Secret Access key.

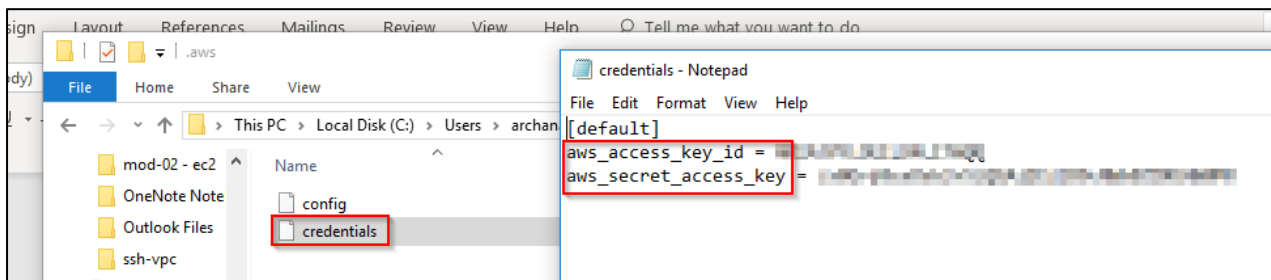
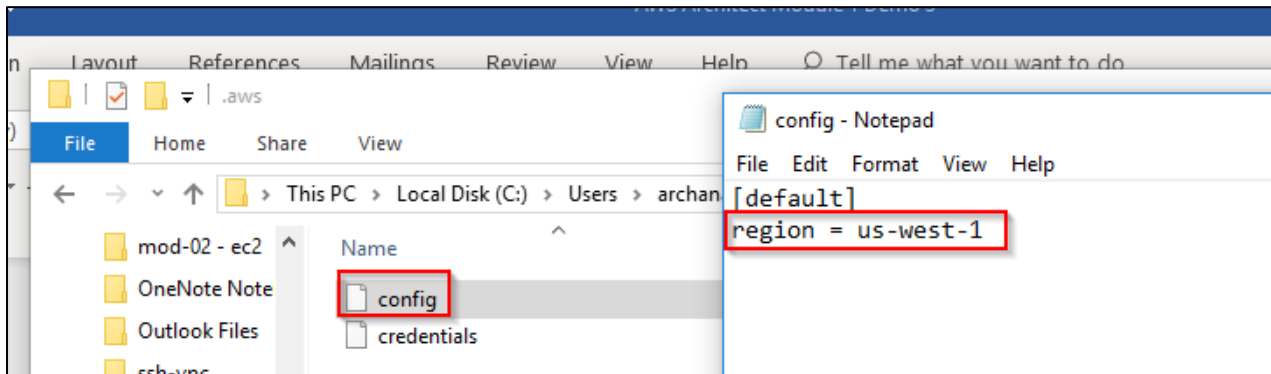


```
C:\WINDOWS\system32\cmd.exe

C:\Users\archana>aws configure
AWS Access Key ID [*****E70A]: 
AWS Secret Access Key [*****vpb3]: 
Default region name [None]: 
Default output format [None]:
```

**Note:** If you want to reconfigure your credentials, you can use the below path:

*C:\Users\user-name\.aws*



Step 5: Create a bucket using the following command:

```
aws s3 mb s3://edureka13
```

```
C:\Users\archana>aws s3 mb s3://edureka13
make_bucket: edureka13
```

## Conclusion

You have successfully created an S3 bucket and added the file in the bucket using console and CLI.