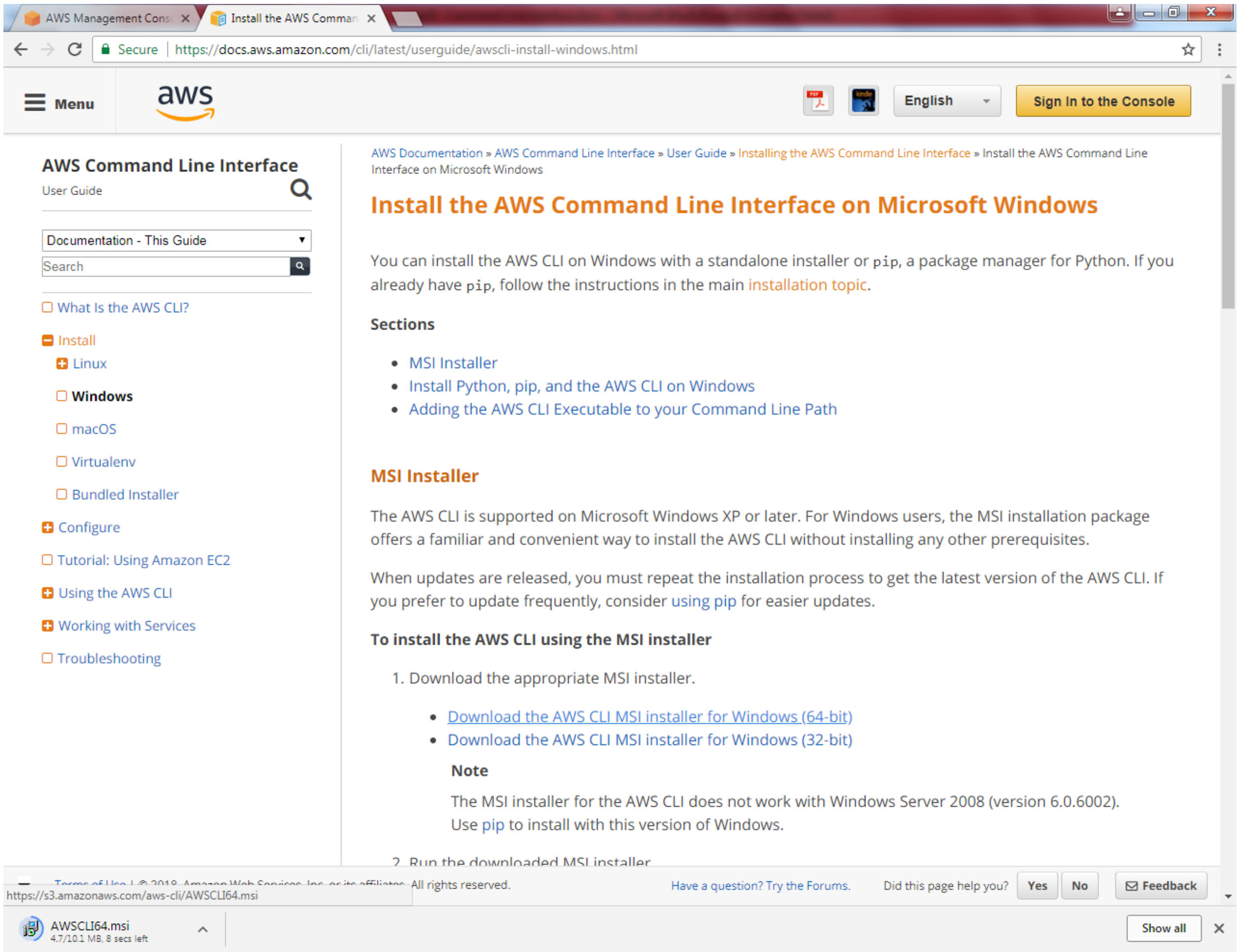
Lab25

AWS - Command Line Interface

Use the below URL to download CLI for Windows

https://docs.aws.amazon.com/cli/latest/userguide/awscli-install-windows.html



AWS Documentation » AWS Command Line Interface » User Guide » Installing the AWS Command Line Interface » Install the AWS Command Line Interface on Microsoft Windows

Install the AWS Command Line Interface on Microsoft Windows

You can install the AWS CLI on Windows with a standalone installer or `pip`, a package manager for Python. If you already have `pip`, follow the instructions in the main installation topic.

Sections

- MSI Installer
- Install Python, pip, and the AWS CLI on Windows
- Adding the AWS CLI Executable to your Command Line Path

MSI Installer

The AWS CLI is supported on Microsoft Windows XP or later. For Windows users, the MSI installation package offers a familiar and convenient way to install the AWS CLI without installing any other prerequisites.

When updates are released, you must repeat the installation process to get the latest version of the AWS CLI. If you prefer to update frequently, consider using pip for easier updates.

To install the AWS CLI using the MSI installer

1. Download the appropriate MSI installer.
   - Download the AWS CLI MSI installer for Windows (64-bit)
   - Download the AWS CLI MSI installer for Windows (32-bit)

   Note

   The MSI installer for the AWS CLI does not work with Windows Server 2008 (version 6.0.6002). Use pip to install with this version of Windows.

2. Run the downloaded MSI installer.

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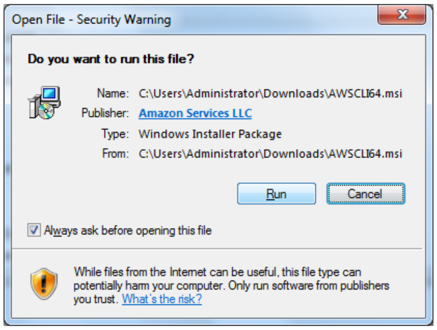
Have a question? Try the Forums.
Did this page help you?
Yes
No
Feedback
https://s3.amazonaws.com/aws-cli/AWSCLI64.msi
AWSCLI64.msi
4.7/10.1 MB, 8 secs left
Show all

File is getting download.

We need to install in our local machine.

Run AWSCLI64.msi file.



Open File - Security Warning

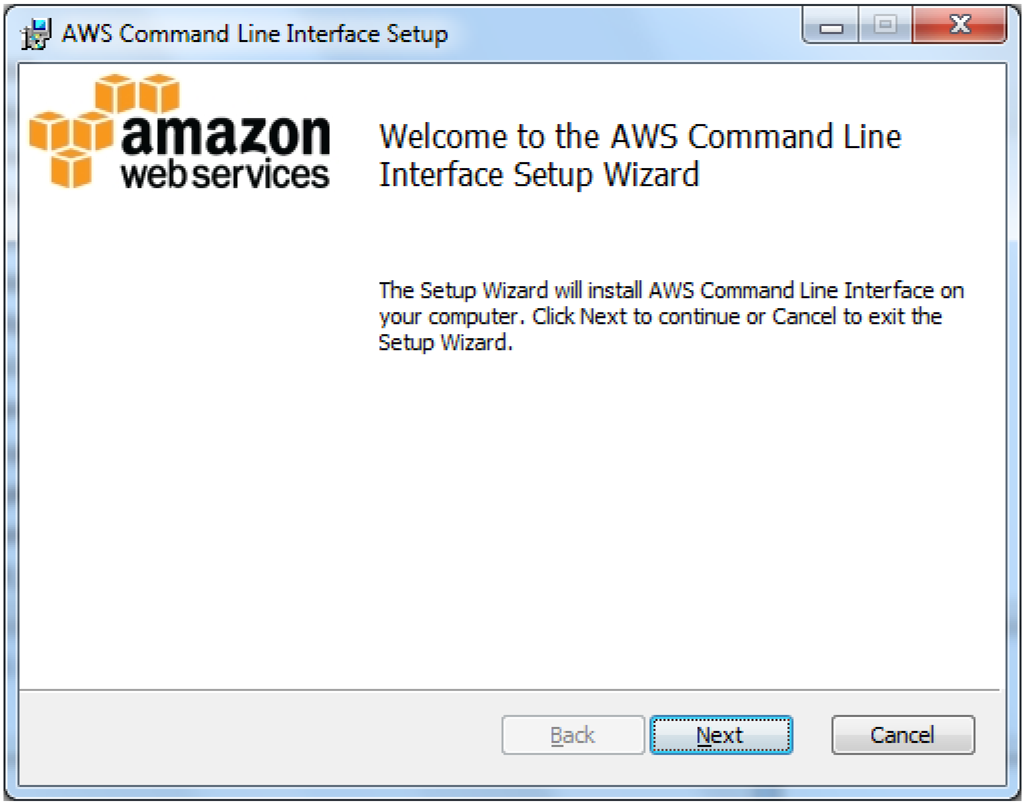
Do you want to run this file?

Name: C:\Users\Administrator\Downloads\AWSCLI64.msi
Publisher: Amazon Services LLC
Type: Windows Installer Package
From: C:\Users\Administrator\Downloads\AWSCLI64.msi

☑ Always ask before opening this file

While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. What's the risk?

Click “Run”.



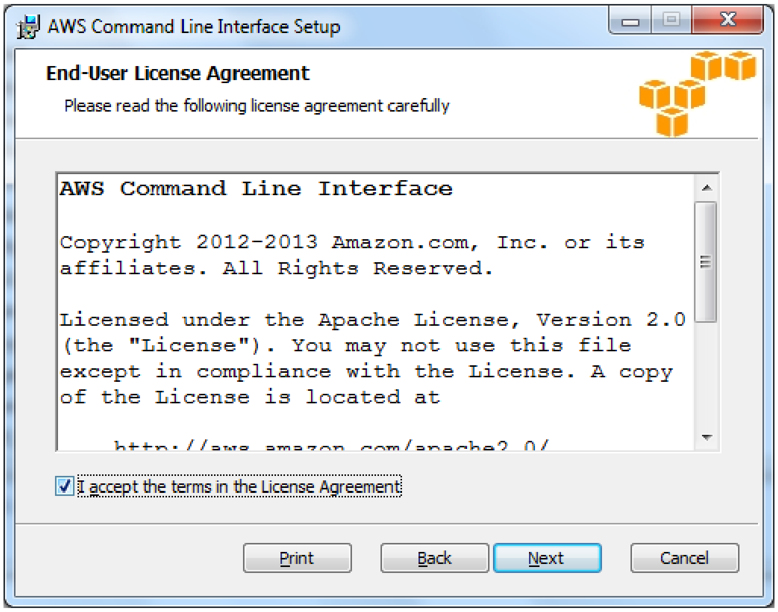
AWS Command Line Interface Setup

Welcome to the AWS Command Line Interface Setup Wizard

The Setup Wizard will install AWS Command Line Interface on your computer. Click Next to continue or Cancel to exit the Setup Wizard.

Click “Next”.

Click I accept and click “Next”.



AWS Command Line Interface Setup

End-User License Agreement

Please read the following license agreement carefully

```
AWS Command Line Interface

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(the "License"). You may not use this file
except in compliance with the License. A copy
of the License is located at

    http://aws.amazon.com/apache2.0/
```
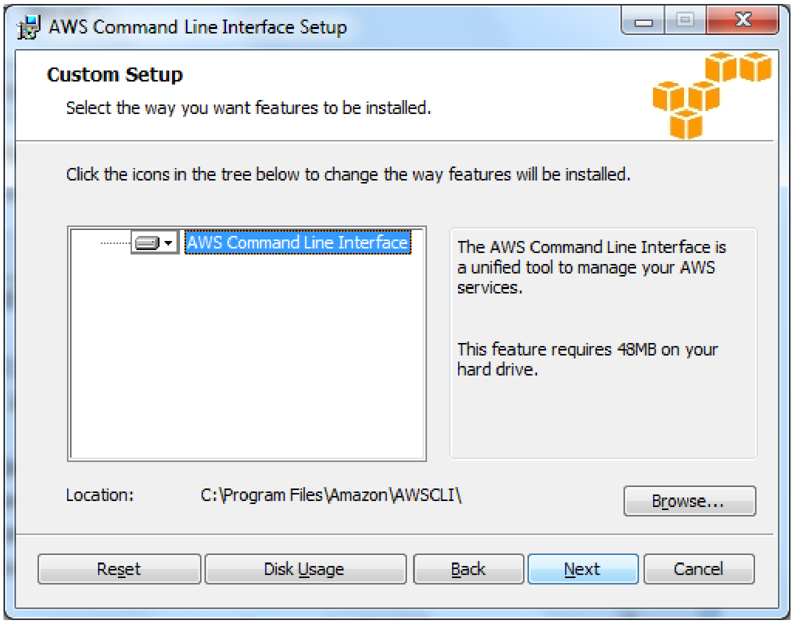

☑ I accept the terms in the License Agreement

Click “Next”.



AWS Command Line Interface Setup

Custom Setup

Select the way you want features to be installed.

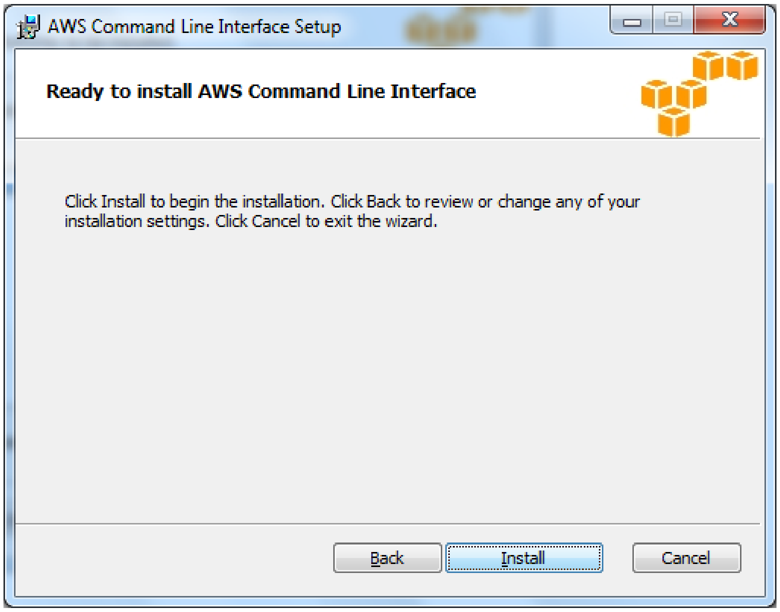
Click the icons in the tree below to change the way features will be installed.

The AWS Command Line Interface is a unified tool to manage your AWS services.

This feature requires 48MB on your hard drive.

Location: C:\Program Files\Amazon\AWSCLI\

Click “Install”.



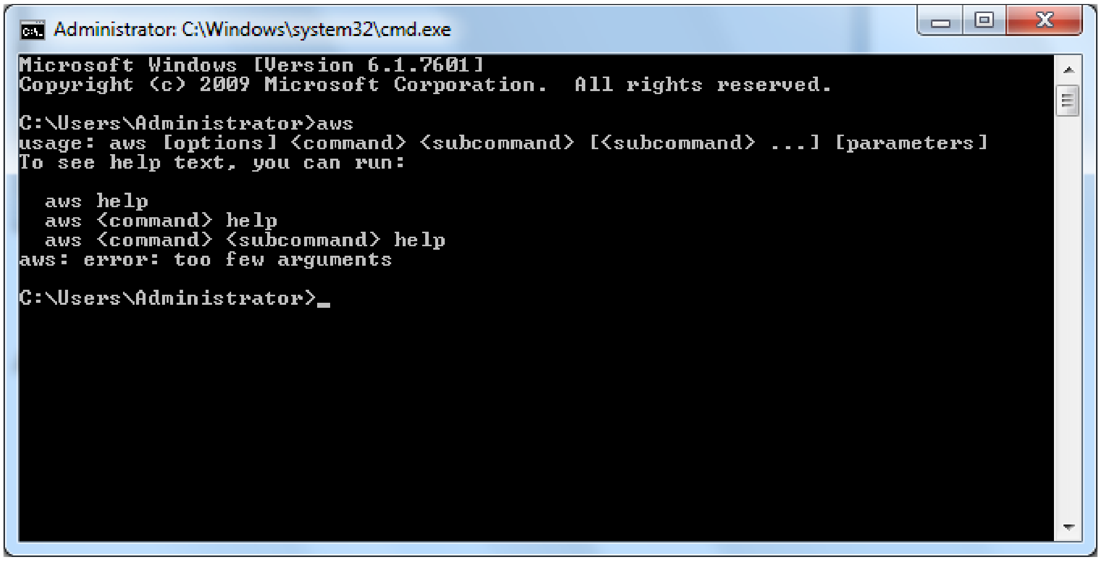
AWS Command Line Interface Setup

Ready to install AWS Command Line Interface

Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.

Application installation will be successfully completed.

Type aws and then press enter. You can able to see the commands in command prompt.

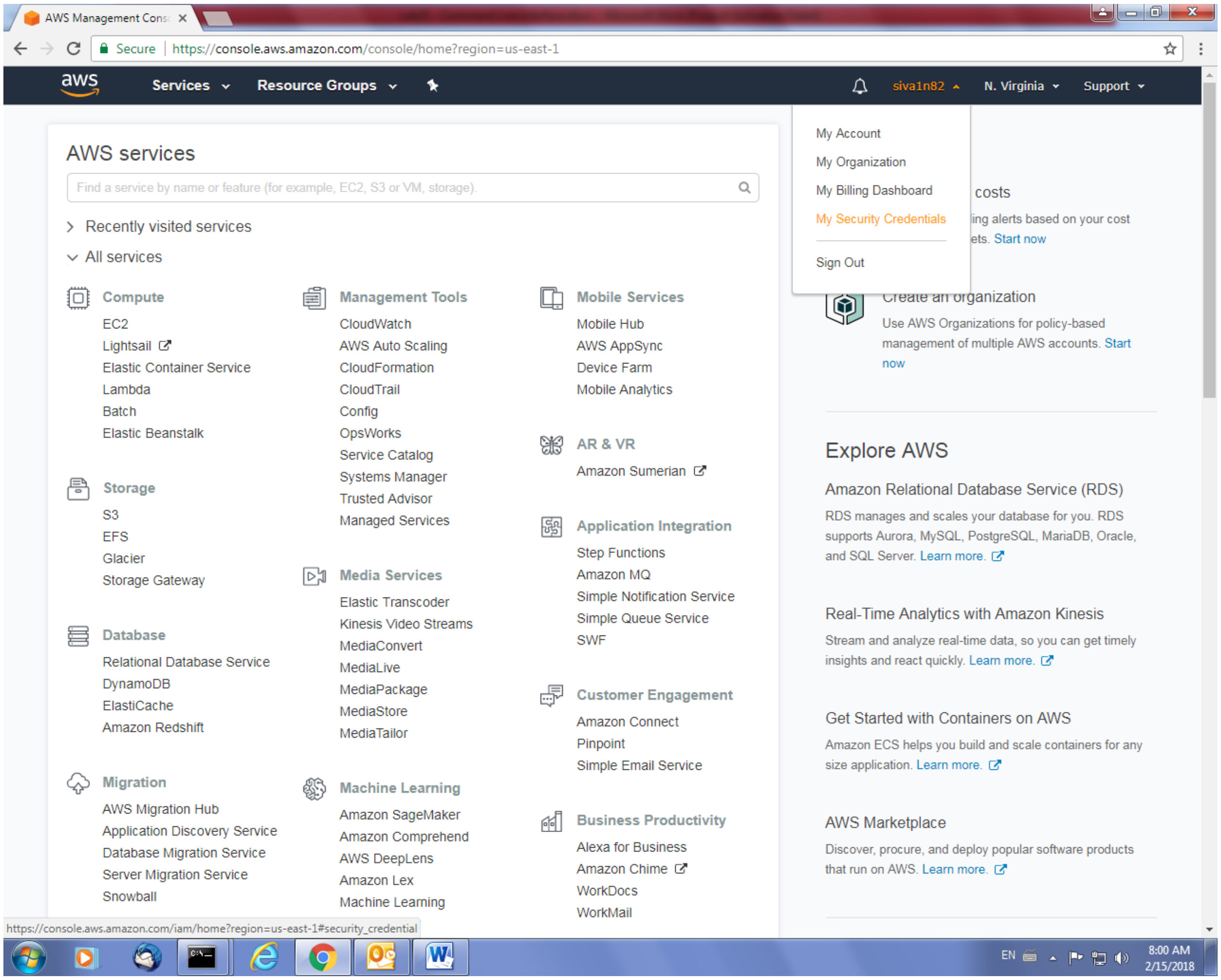


Administrator: C:\Windows\system32\cmd.exe

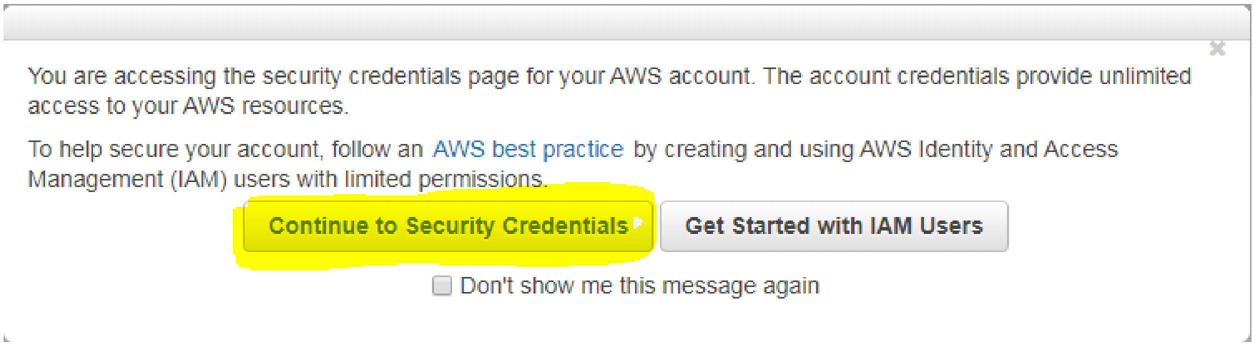
```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Users\Administrator>aws
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\Administrator>_
```

Before Login to CLI, we have required root keys for my account to login to CLI interface.

Click “My Security Credentials”.



Click “continue to security credentials”.

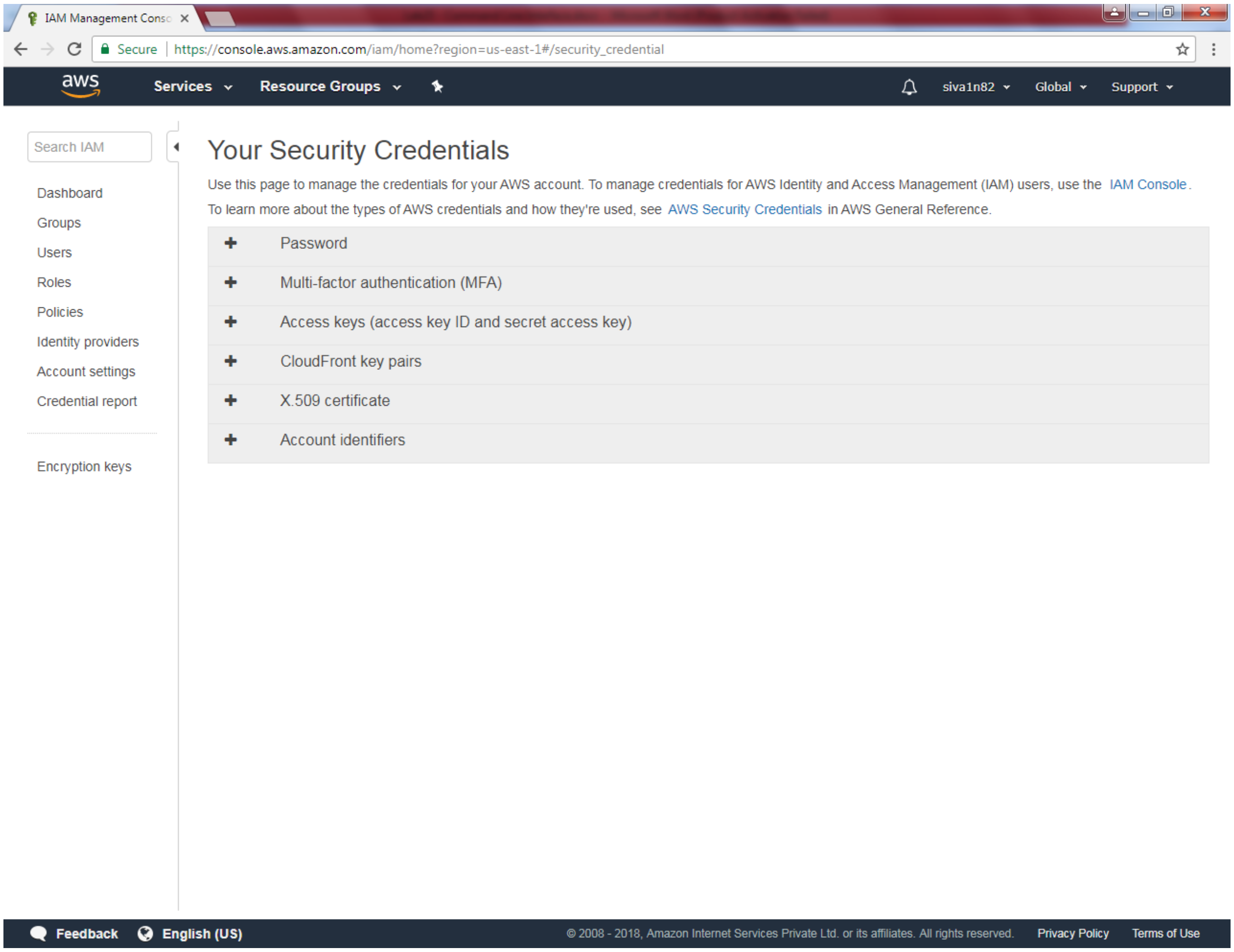


You are accessing the security credentials page for your AWS account. The account credentials provide unlimited access to your AWS resources.

To help secure your account, follow an AWS best practice by creating and using AWS Identity and Access Management (IAM) users with limited permissions.

□ Don't show me this message again

Press "+" key in **Access keys** to expand it.



Your Security Credentials

Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the IAM Console.

To learn more about the types of AWS credentials and how they're used, see AWS Security Credentials in AWS General Reference.

- ✚ Password
- ✚ Multi-factor authentication (MFA)
- ✚ Access keys (access key ID and secret access key)
- ✚ CloudFront key pairs
- ✚ X.509 certificate
- ✚ Account identifiers

Feedback
English (US)
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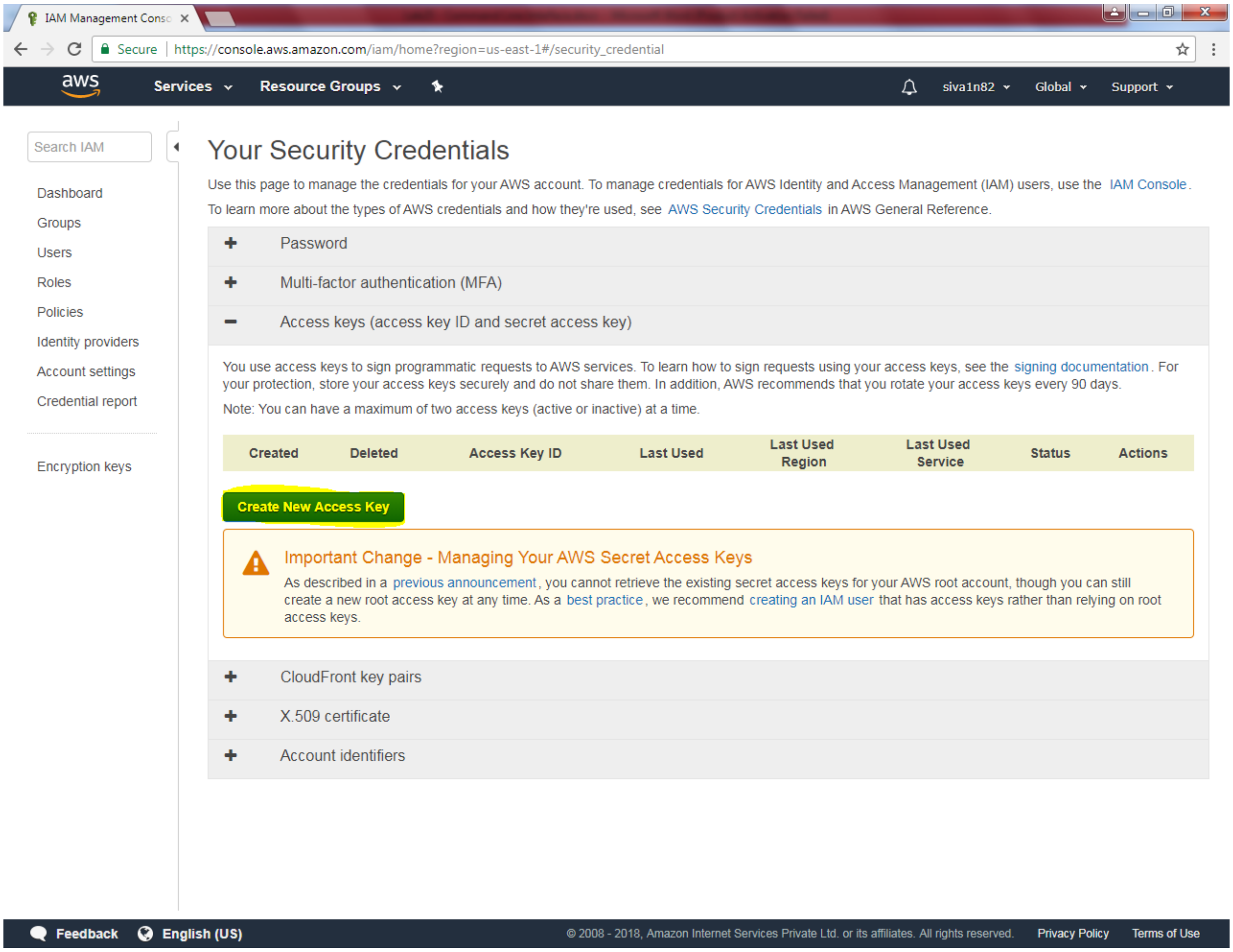
Click “Create New Access Key”.



Your Security Credentials

Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the IAM Console.

To learn more about the types of AWS credentials and how they're used, see AWS Security Credentials in AWS General Reference.

- ✚ Password
- ✚ Multi-factor authentication (MFA)
- ━ Access keys (access key ID and secret access key)

You use access keys to sign programmatic requests to AWS services. To learn how to sign requests using your access keys, see the signing documentation. For your protection, store your access keys securely and do not share them. In addition, AWS recommends that you rotate your access keys every 90 days.

Note: You can have a maximum of two access keys (active or inactive) at a time.

Created	Deleted	Access Key ID	Last Used	Last Used Region	Last Used Service	Status	Actions

Important Change - Managing Your AWS Secret Access Keys

As described in a previous announcement, you cannot retrieve the existing secret access keys for your AWS root account, though you can still create a new root access key at any time. As a best practice, we recommend creating an IAM user that has access keys rather than relying on root access keys.

- ✚ CloudFront key pairs
- ✚ X.509 certificate
- ✚ Account identifiers

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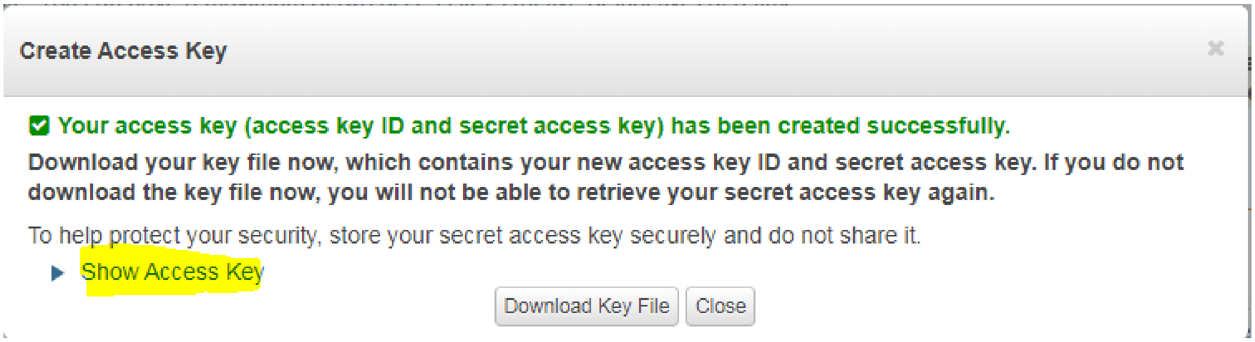
Click "Show access key" then copy the key into notepad. Because you would not be able to get the password key after this mode / you skip copy from this mode.



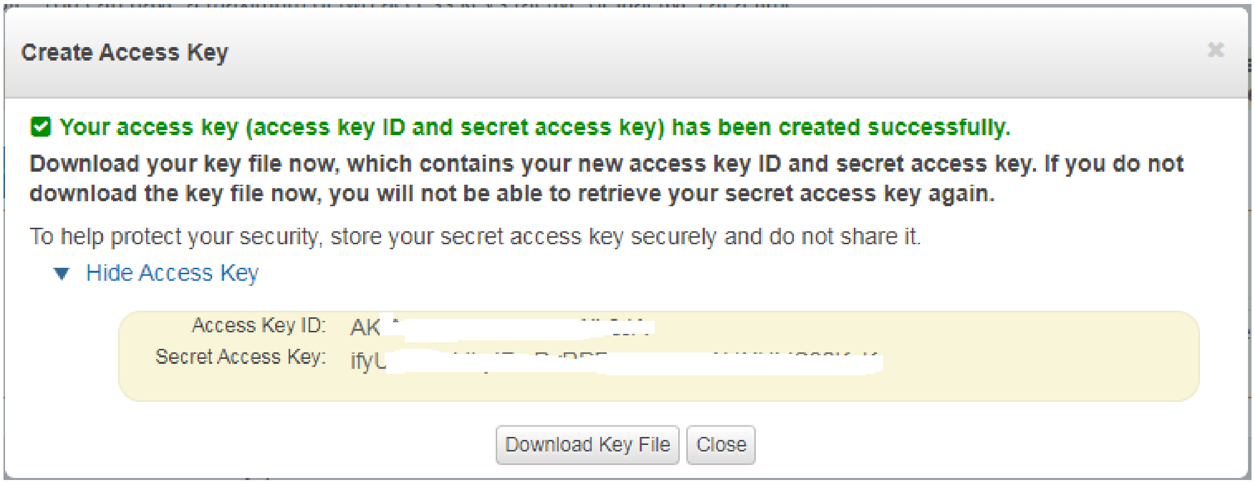
Create Access Key

☑ Your access key (access key ID and secret access key) has been created successfully.

Download your key file now, which contains your new access key ID and secret access key. If you do not download the key file now, you will not be able to retrieve your secret access key again.

To help protect your security, store your secret access key securely and do not share it.

Root keys will be like as below, I have masked Access key ID and Secret access key for security reasons.



Create Access Key

☑ Your access key (access key ID and secret access key) has been created successfully.

Download your key file now, which contains your new access key ID and secret access key. If you do not download the key file now, you will not be able to retrieve your secret access key again.

To help protect your security, store your secret access key securely and do not share it.

▼ Hide Access Key

Access Key ID: [redacted]

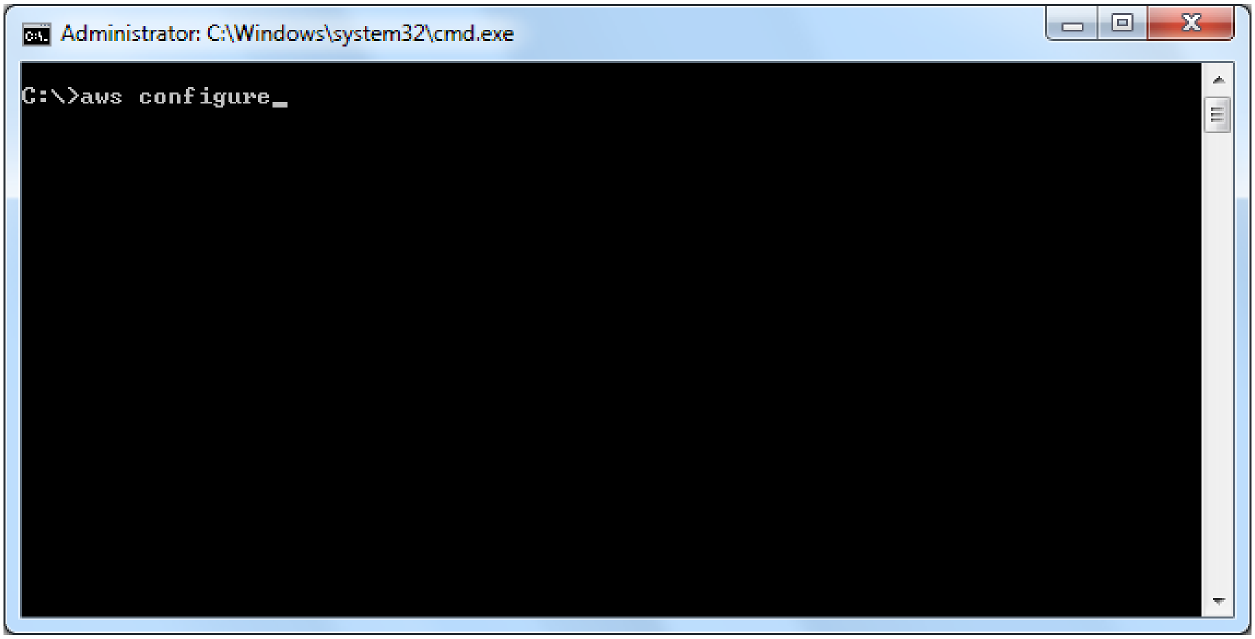
Secret Access Key: [redacted]

Click "Download Key File" and click "close".

Now we need to login to command prompt by using Root keys.

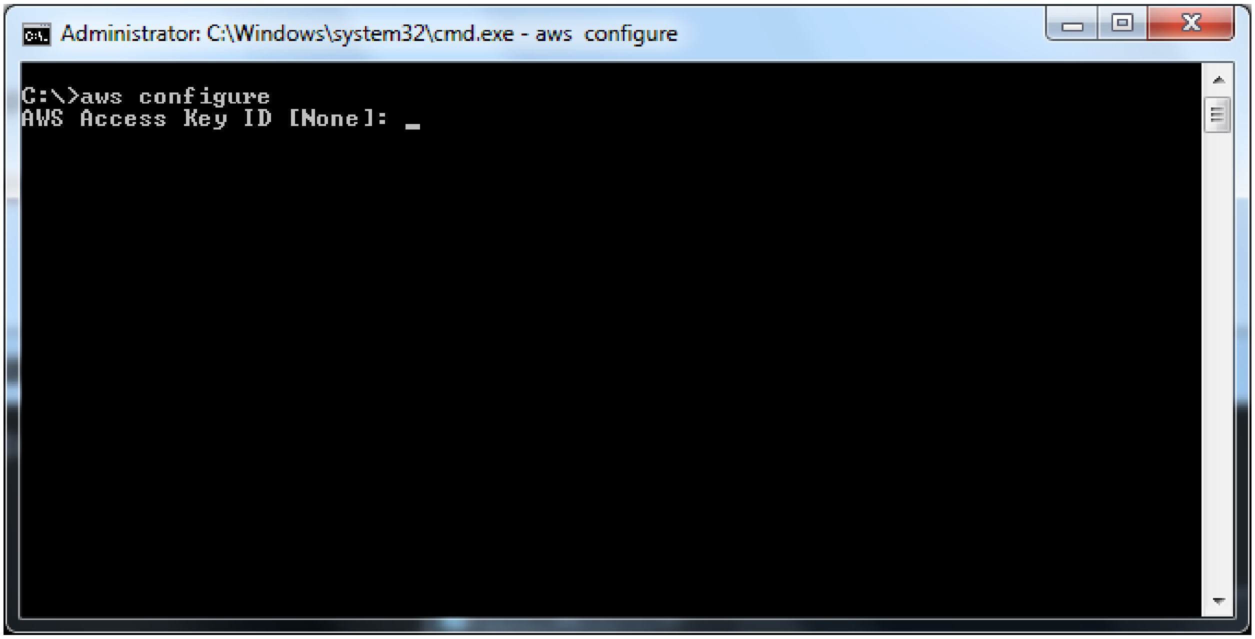
Type

aws configure



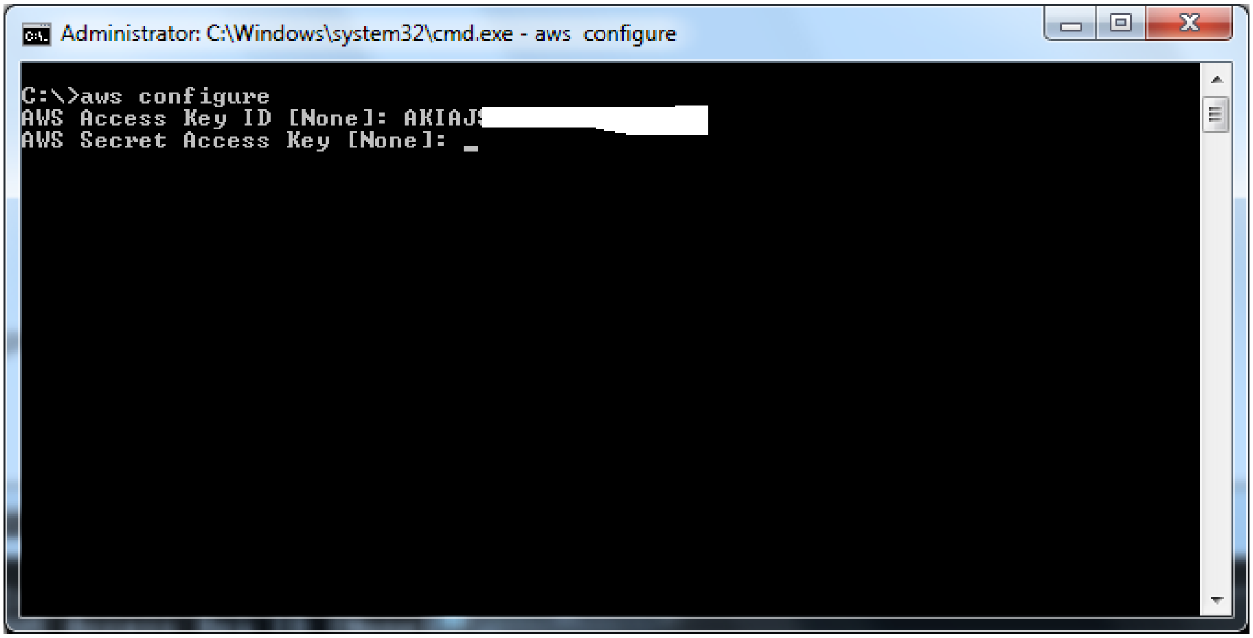
```
C:\>aws configure_
```

It prompts user id,



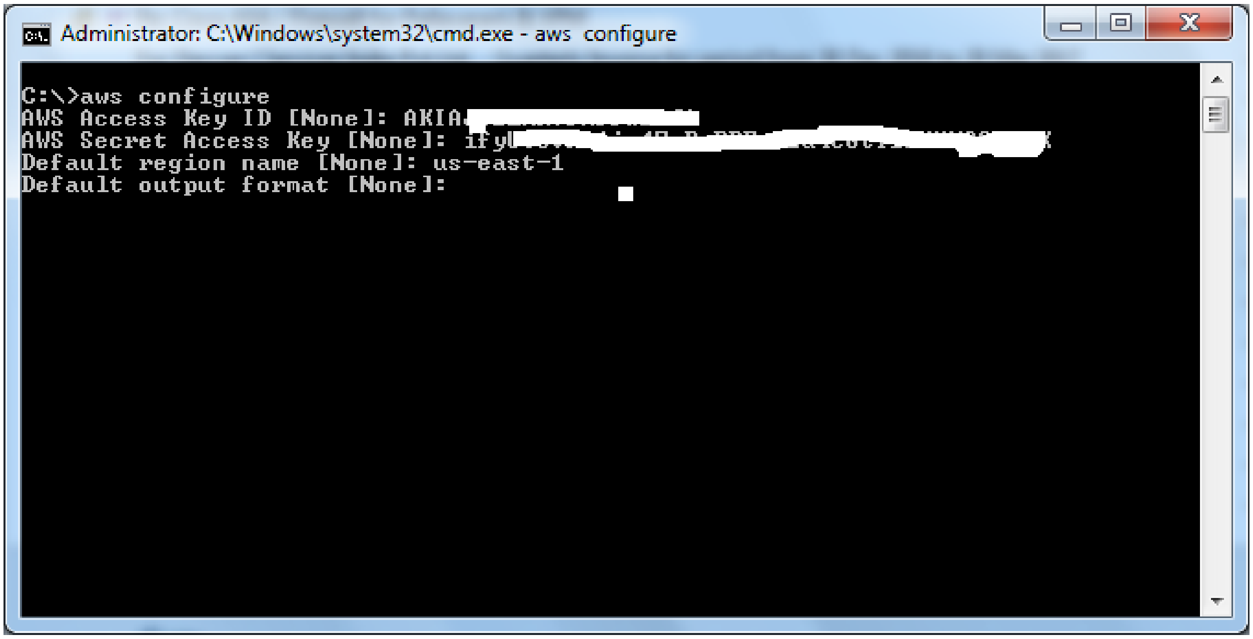
```
C:\>aws configure
AWS Access Key ID [None]: _
```

It prompts password, type secret access key



```
C:\>aws configure
AWS Access Key ID [None]: AKIAJ[redacted]
AWS Secret Access Key [None]: _
```

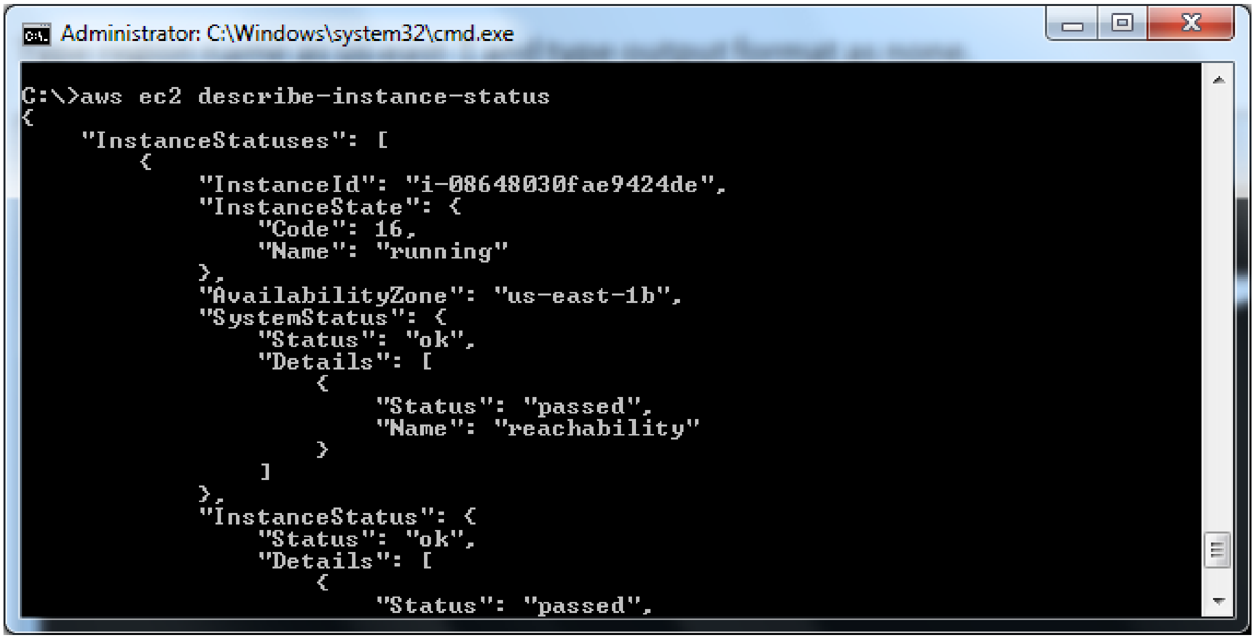
Type region name as us-east-1/where you have connected and type output format json



```
C:\>aws configure
AWS Access Key ID [None]: AKIA[redacted]
AWS Secret Access Key [None]: ifyU[redacted]
Default region name [None]: us-east-1
Default output format [None]:
```

Type

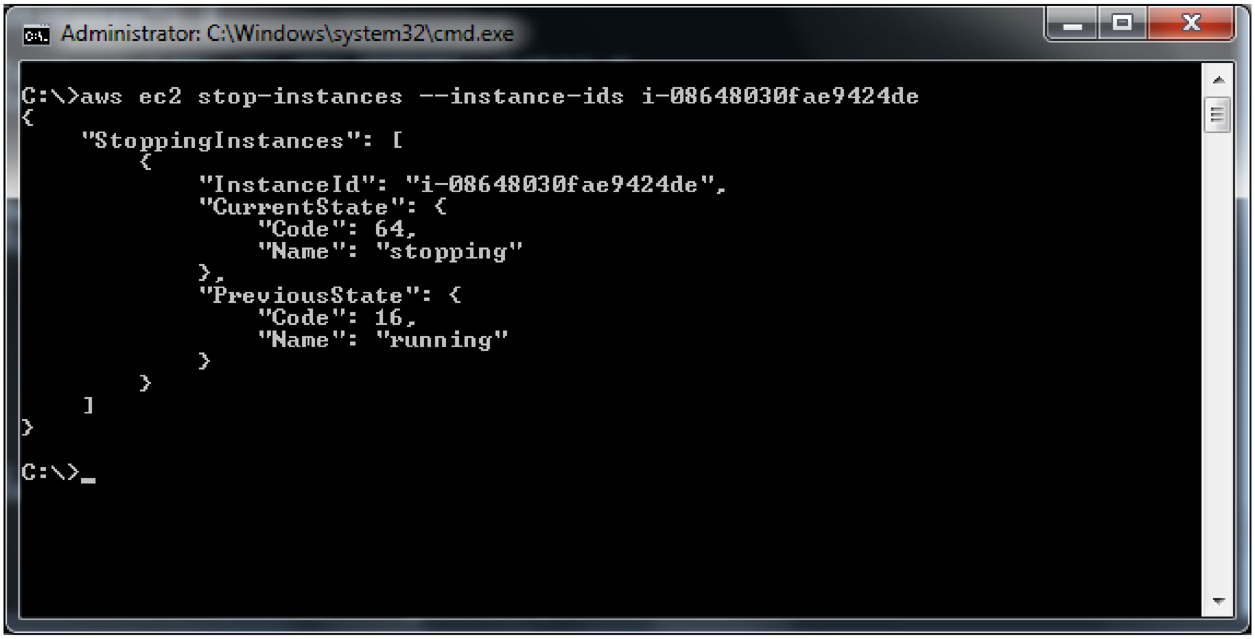
Aws ec2 describe-instnace-status



```
C:\>aws ec2 describe-instance-status
{
    "InstanceStatuses": [
        {
            "InstanceId": "i-08648030fae9424de",
            "InstanceState": {
                "Code": 16,
                "Name": "running"
            },
            "AvailabilityZone": "us-east-1b",
            "SystemStatus": {
                "Status": "ok",
                "Details": [
                    {
                        "Status": "passed",
                        "Name": "reachability"
                    }
                ]
            },
            "InstanceStatus": {
                "Status": "ok",
                "Details": [
                    {
                        "Status": "passed",
```

Type

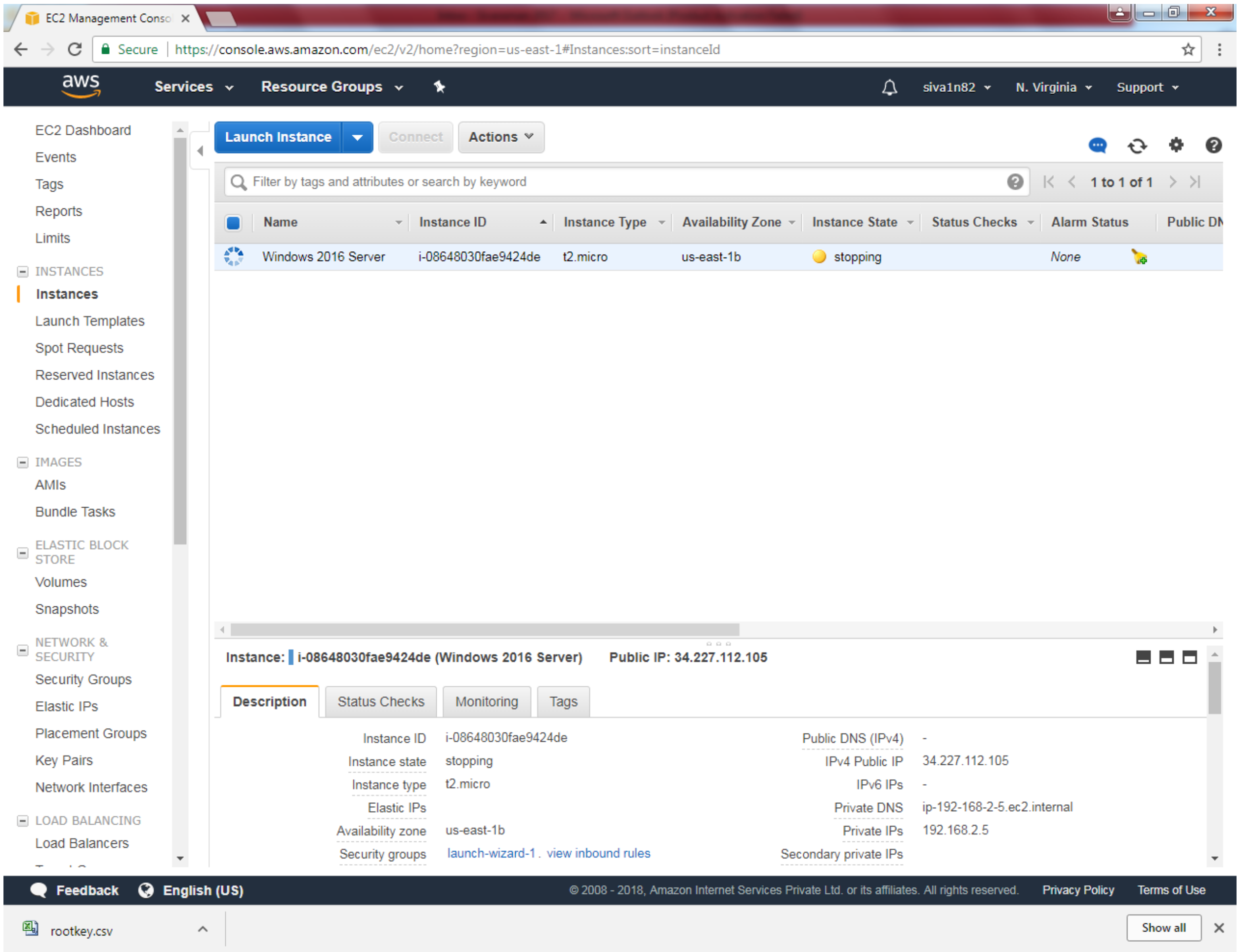
Aws ec2 stop-instances –instance-ids <instance id>



```
C:\>aws ec2 stop-instances --instance-ids i-08648030fae9424de
{
    "StoppingInstances": [
        {
            "InstanceId": "i-08648030fae9424de",
            "CurrentState": {
                "Code": 64,
                "Name": "stopping"
            },
            "PreviousState": {
                "Code": 16,
                "Name": "running"
            }
        }
    ]
}

C:\>_
```

In output you can able to see that instance is getting stop.



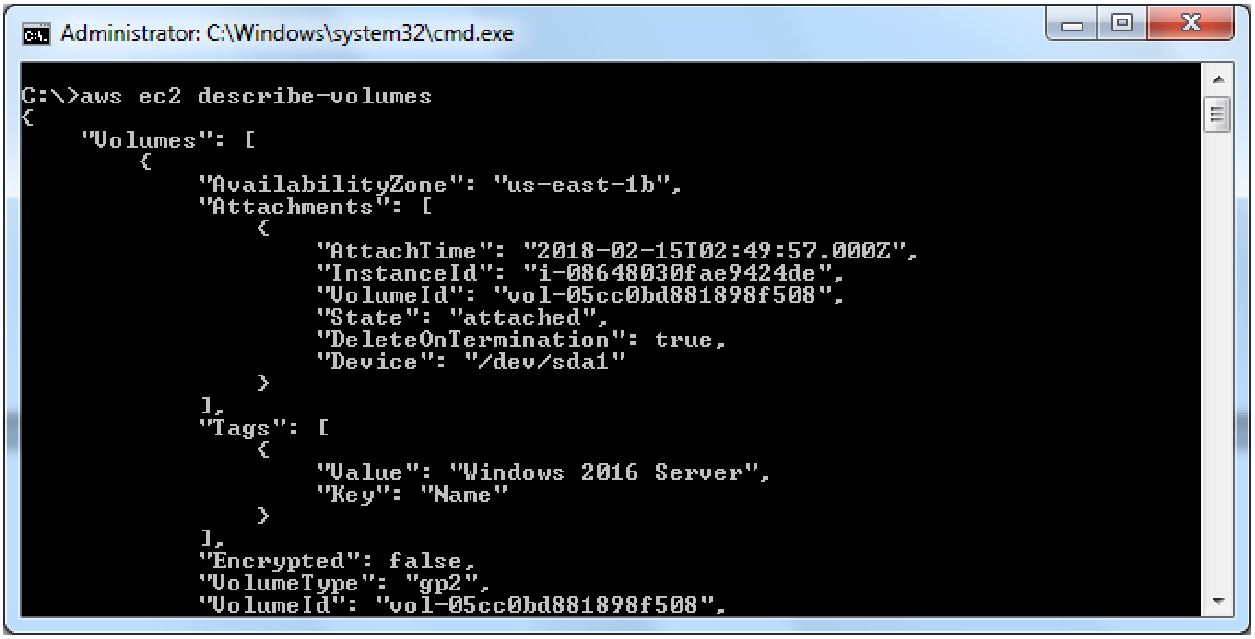
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DN
Windows 2016 Server	i-08648030fae9424de	t2.micro	us-east-1b	stopping		None	

Instance: i-08648030fae9424de (Windows 2016 Server) Public IP: 34.227.112.105

Instance ID	i-08648030fae9424de	Public DNS (IPv4)	-
Instance state	stopping	IPv4 Public IP	34.227.112.105
Instance type	t2.micro	IPv6 IPs	-
Elastic IPs		Private DNS	ip-192-168-2-5.ec2.internal
Availability zone	us-east-1b	Private IPs	192.168.2.5
Security groups	launch-wizard-1 . view inbound rules	Secondary private IPs	

Type

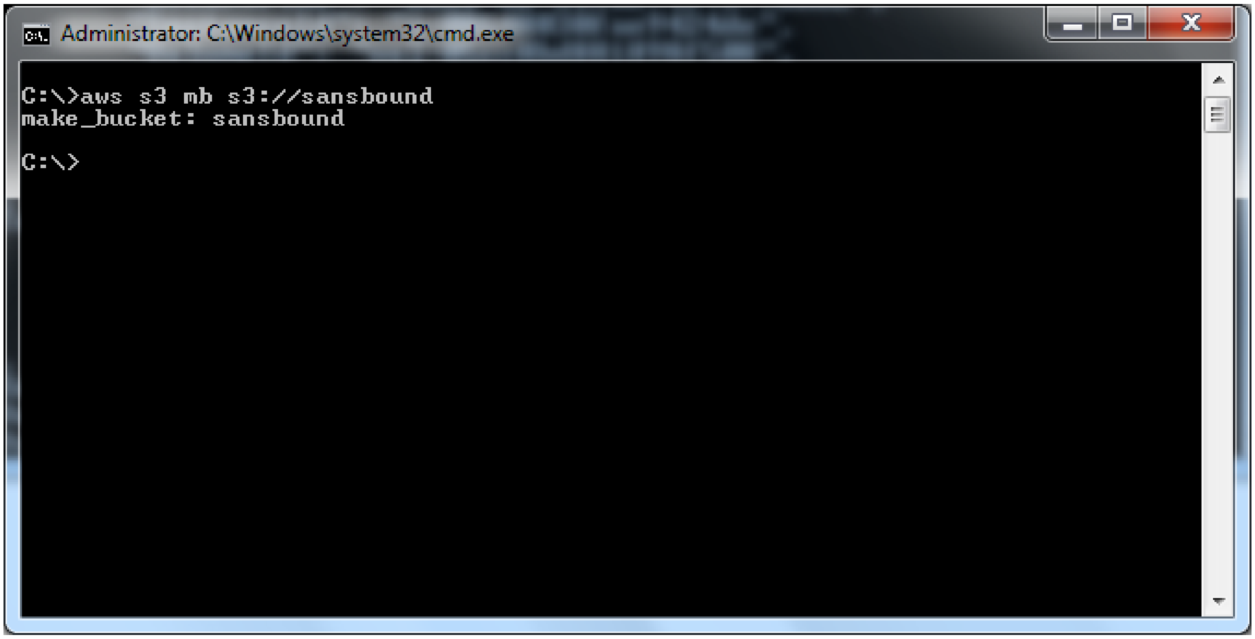
Aws ec2 describe-volumes



```
C:\>aws ec2 describe-volumes
{
    "Volumes": [
        {
            "AvailabilityZone": "us-east-1b",
            "Attachments": [
                {
                    "AttachTime": "2018-02-15T02:49:57.000Z",
                    "InstanceId": "i-08648030fae9424de",
                    "VolumeId": "vol-05cc0bd881898f508",
                    "State": "attached",
                    "DeleteOnTermination": true,
                    "Device": "/dev/sda1"
                }
            ],
            "Tags": [
                {
                    "Value": "Windows 2016 Server",
                    "Key": "Name"
                }
            ],
            "Encrypted": false,
            "VolumeType": "gp2",
            "VolumeId": "vol-05cc0bd881898f508",
```

Type

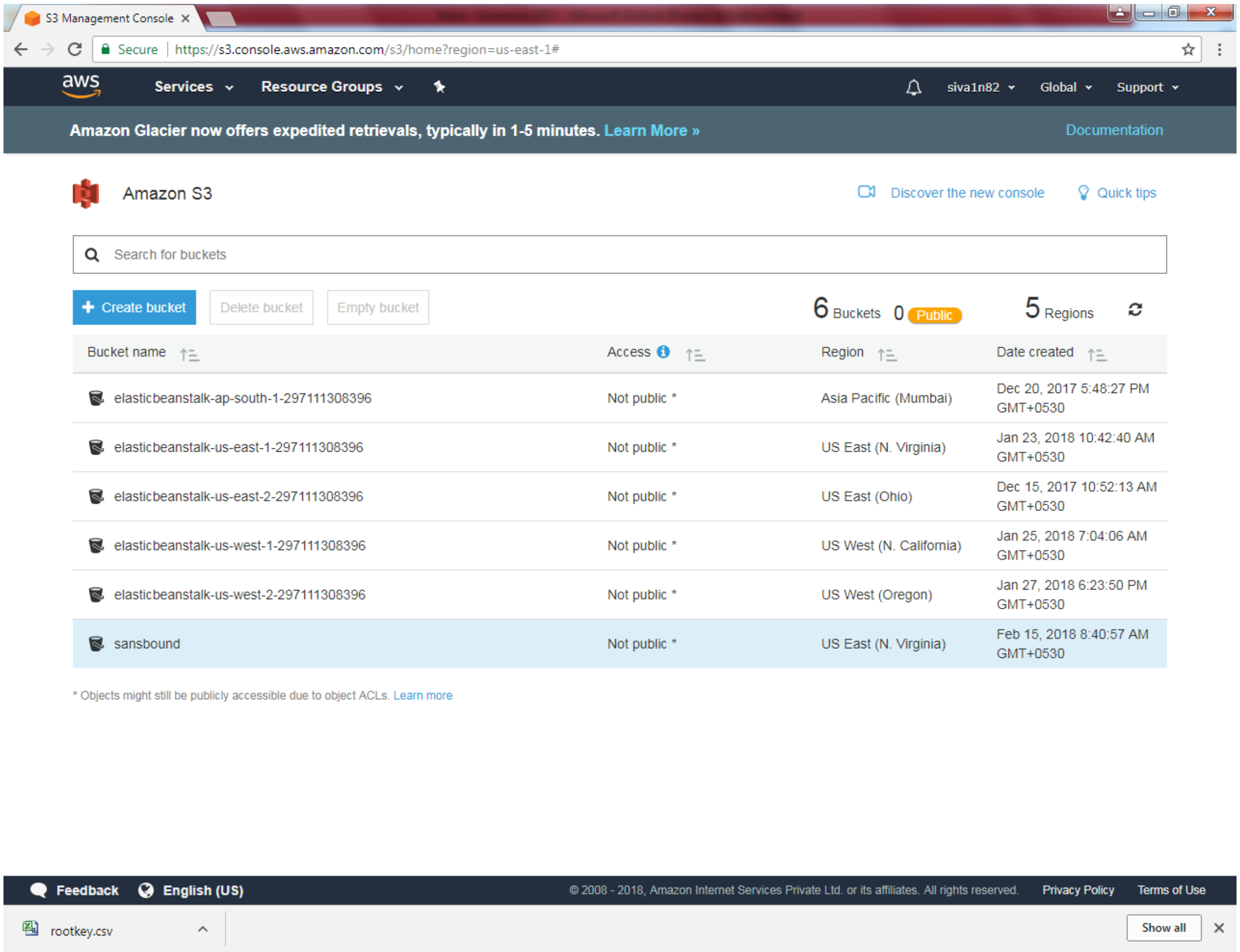
Aws s3 mb s://sansbound



```
C:\>aws s3 mb s3://sansbound
make_bucket: sansbound

C:\>
```

Go to S3 and able to see that bucket has been created



Amazon Glacier now offers expedited retrievals, typically in 1-5 minutes. Learn More »

Bucket name	Access	Region	Date created
elasticbeanstalk-ap-south-1-297111308396	Not public *	Asia Pacific (Mumbai)	Dec 20, 2017 5:48:27 PM GMT+0530
elasticbeanstalk-us-east-1-297111308396	Not public *	US East (N. Virginia)	Jan 23, 2018 10:42:40 AM GMT+0530
elasticbeanstalk-us-east-2-297111308396	Not public *	US East (Ohio)	Dec 15, 2017 10:52:13 AM GMT+0530
elasticbeanstalk-us-west-1-297111308396	Not public *	US West (N. California)	Jan 25, 2018 7:04:06 AM GMT+0530
elasticbeanstalk-us-west-2-297111308396	Not public *	US West (Oregon)	Jan 27, 2018 6:23:50 PM GMT+0530
sansbound	Not public *	US East (N. Virginia)	Feb 15, 2018 8:40:57 AM GMT+0530

* Objects might still be publicly accessible due to object ACLs. Learn more

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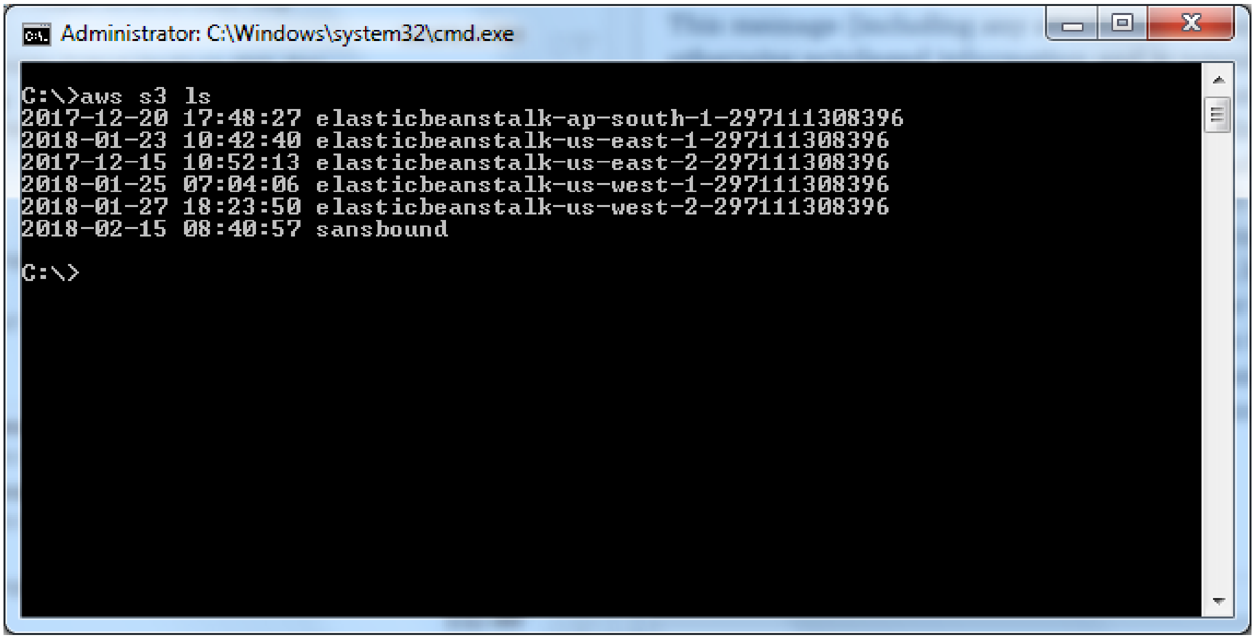
Type

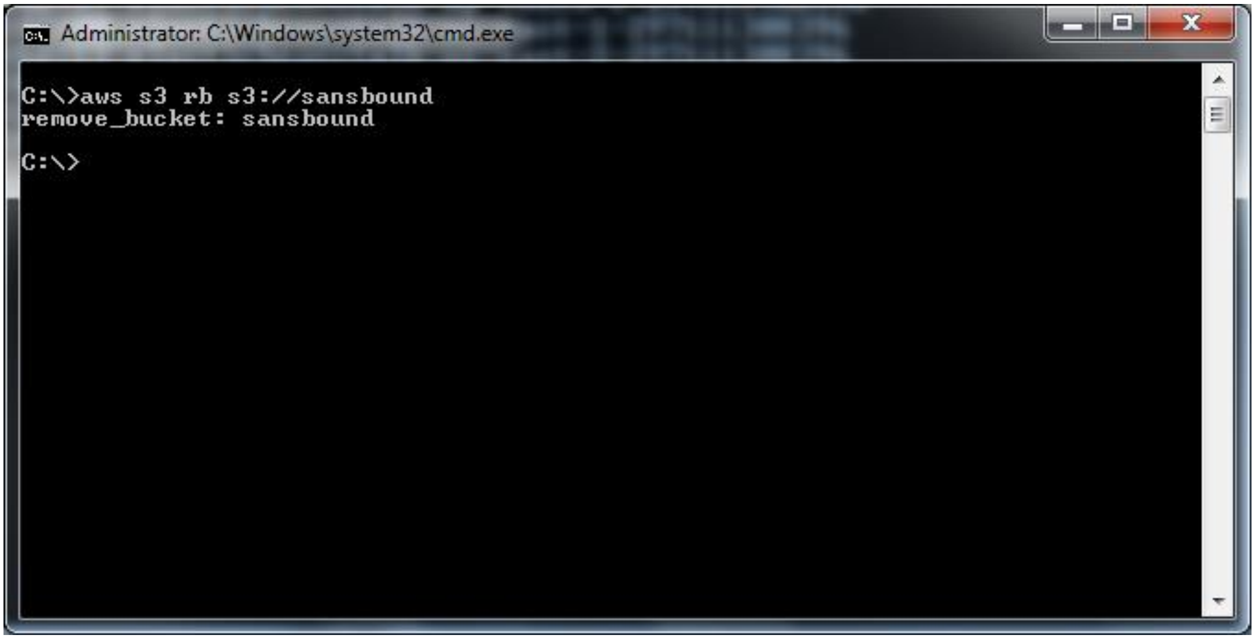
Aws s3 ls



```
C:\>aws s3 ls
2017-12-20 17:48:27 elasticbeanstalk-ap-south-1-297111308396
2018-01-23 10:42:40 elasticbeanstalk-us-east-1-297111308396
2017-12-15 10:52:13 elasticbeanstalk-us-east-2-297111308396
2018-01-25 07:04:06 elasticbeanstalk-us-west-1-297111308396
2018-01-27 18:23:50 elasticbeanstalk-us-west-2-297111308396
2018-02-15 08:40:57 sansbound

C:\>
```

Type

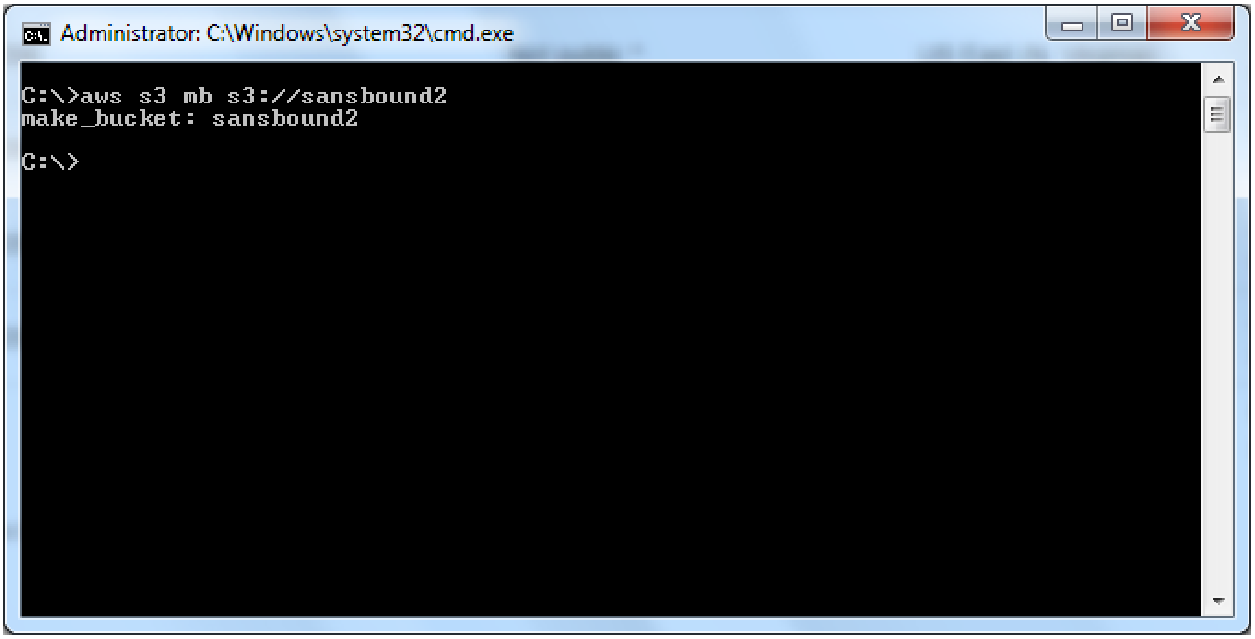
Aws s3 rb s3://sansbound



```
C:\>aws s3 rb s3://sansbound
remove_bucket: sansbound

C:\>
```

Type

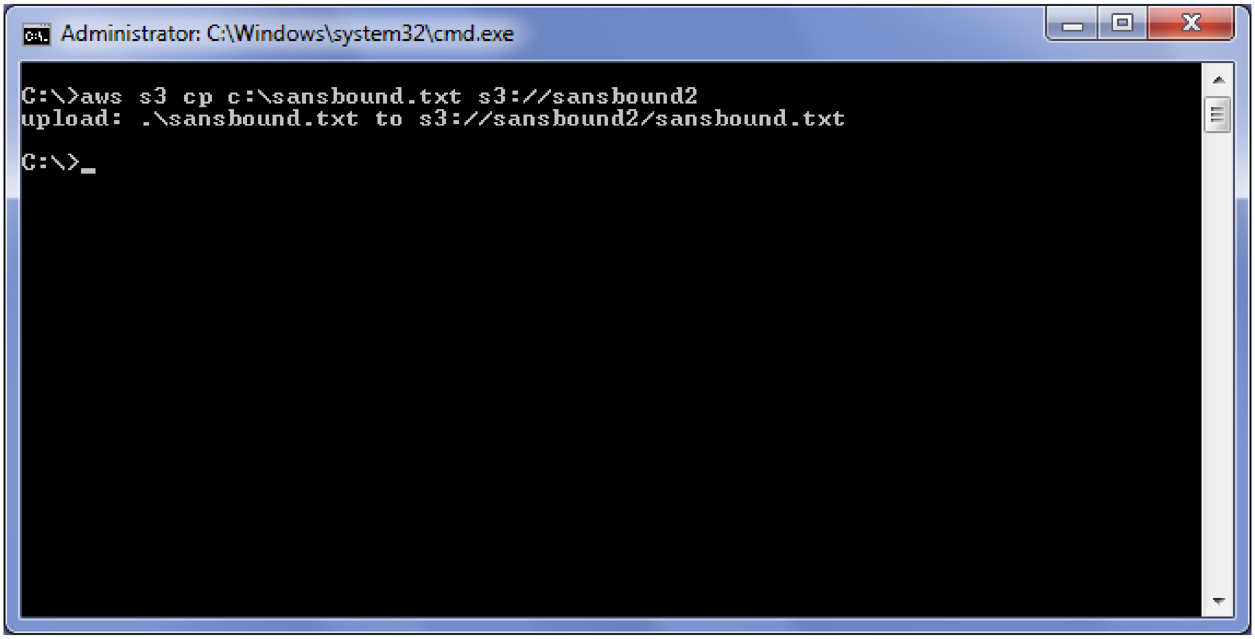
Aws s3 mb s3://sansbound2



```
C:\>aws s3 mb s3://sansbound2
make_bucket: sansbound2

C:\>
```

Type

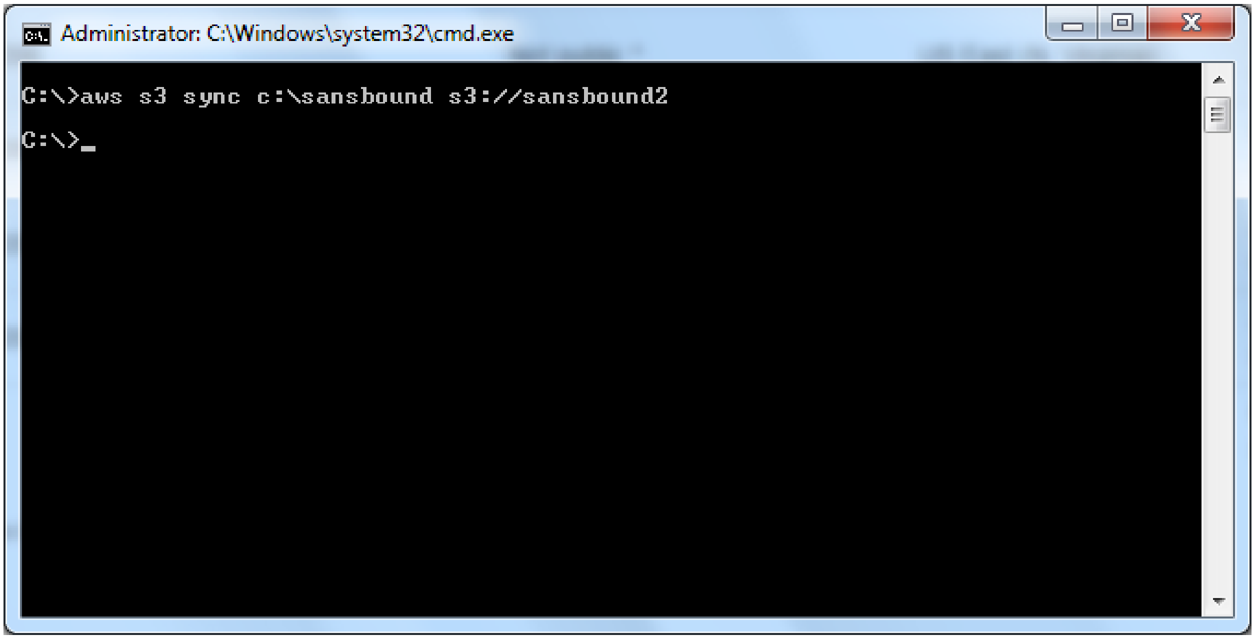
Aws s3 cp c:\sansbound.txt s3://sansbound2



```
C:\>aws s3 cp c:\sansbound.txt s3://sansbound2
upload: .\sansbound.txt to s3://sansbound2/sansbound.txt

C:\>_
```

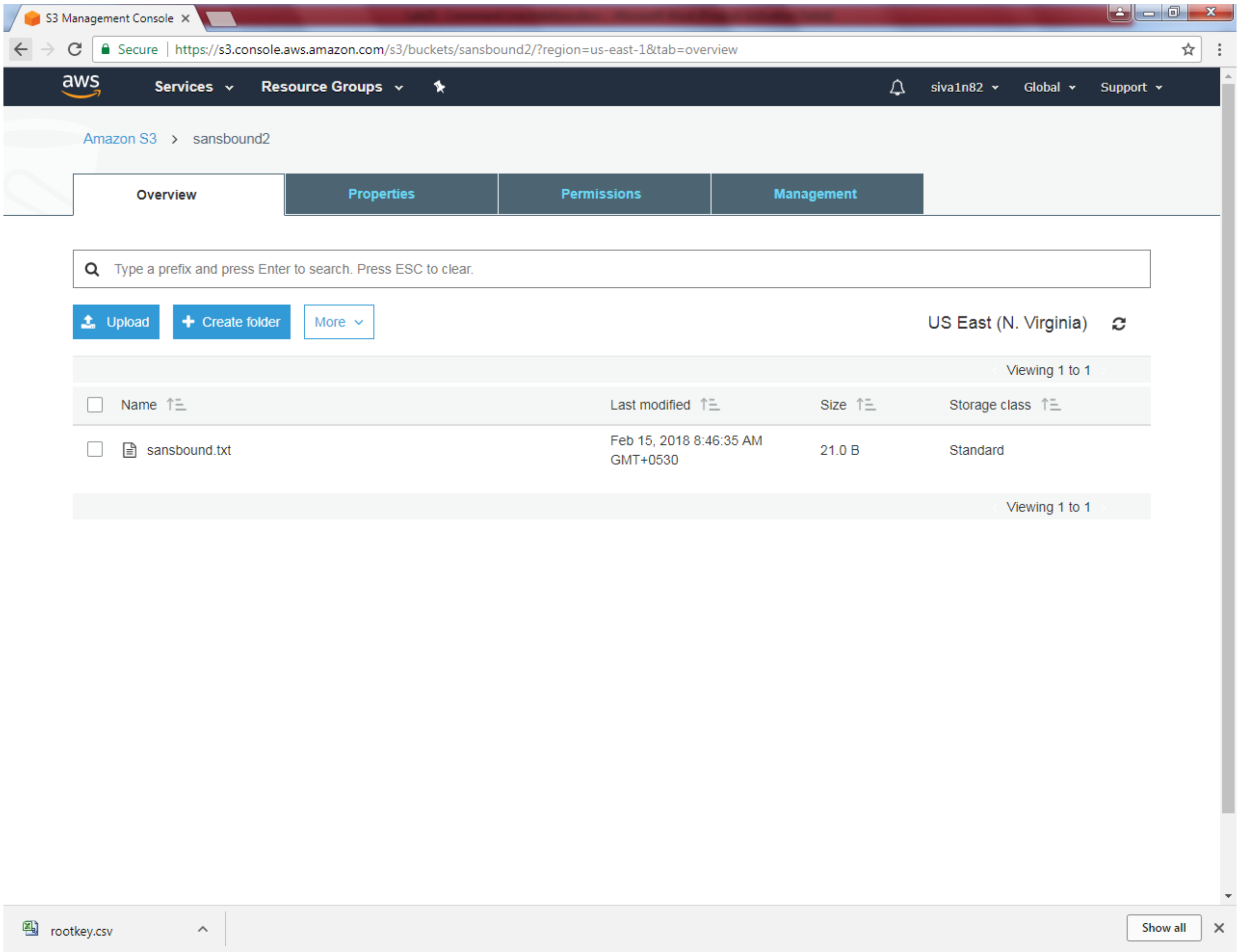
Type

Aws s3 sync c:\sansbound s3://sansbound2



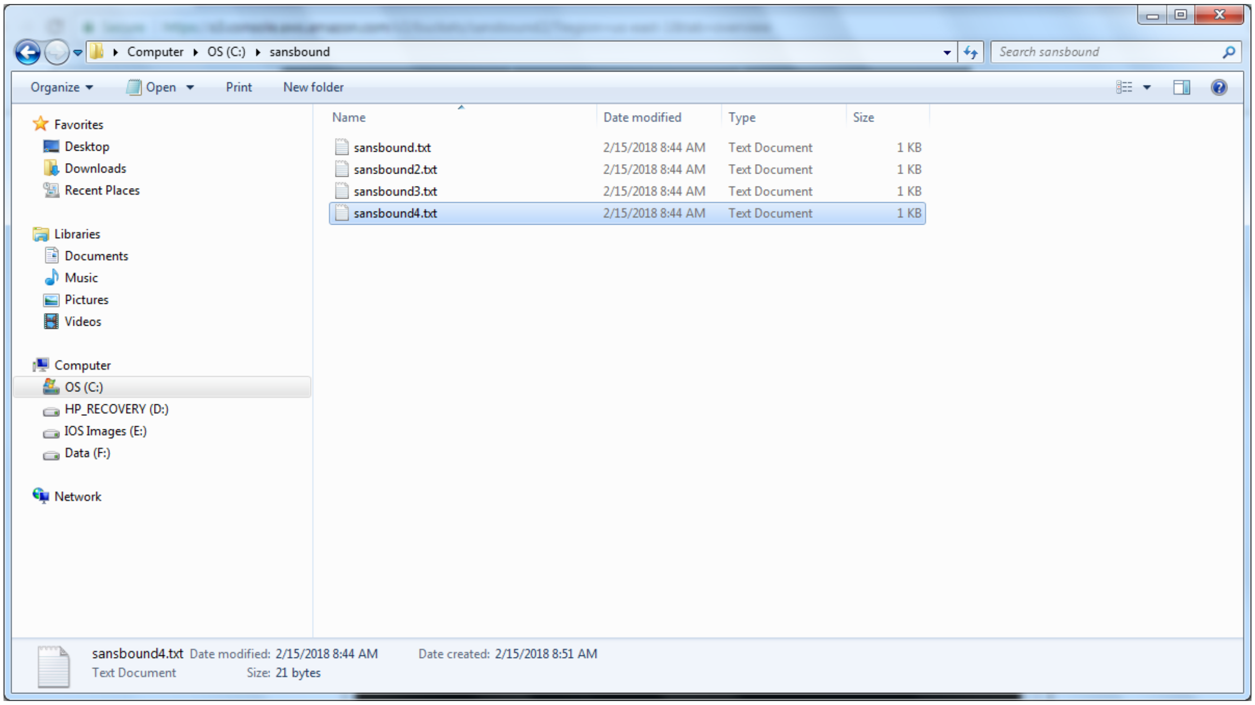
```
C:\>aws s3 sync c:\sansbound s3://sansbound2

C:\>_
```

You can able to see the file in sanbound2 bucket.



Name	Last modified	Size	Storage class
sansbound.txt	Feb 15, 2018 8:46:35 AM GMT+0530	21.0 B	Standard

Now I will copy the files into sansbound2 buckeet.

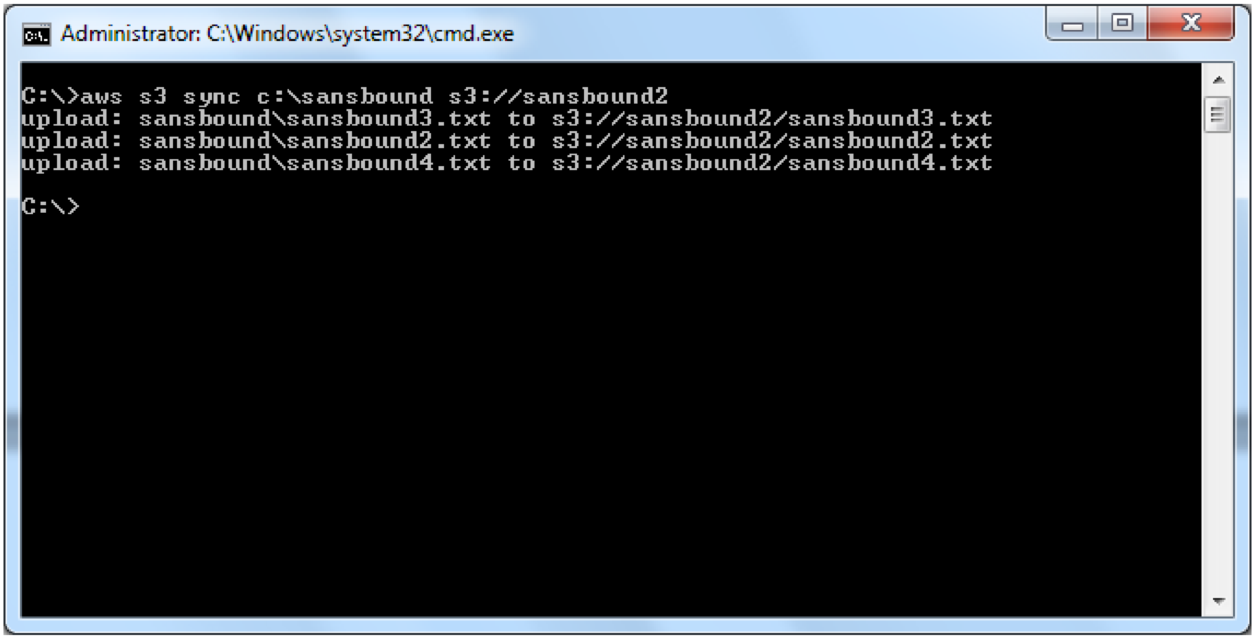


Name	Date modified	Type	Size
sansbound.txt	2/15/2018 8:44 AM	Text Document	1 KB
sansbound2.txt	2/15/2018 8:44 AM	Text Document	1 KB
sansbound3.txt	2/15/2018 8:44 AM	Text Document	1 KB
sansbound4.txt	2/15/2018 8:44 AM	Text Document	1 KB

sansbound4.txt Date modified: 2/15/2018 8:44 AM Date created: 2/15/2018 8:51 AM
Text Document Size: 21 bytes

Type

s3 sync c:\sansbound s3://sansbound2


Administrator: C:\Windows\system32\cmd.exe

```
C:\>aws s3 sync c:\sansbound s3://sansbound2
upload: sansbound\sansbound3.txt to s3://sansbound2/sansbound3.txt
upload: sansbound\sansbound2.txt to s3://sansbound2/sansbound2.txt
upload: sansbound\sansbound4.txt to s3://sansbound2/sansbound4.txt

C:\>
```