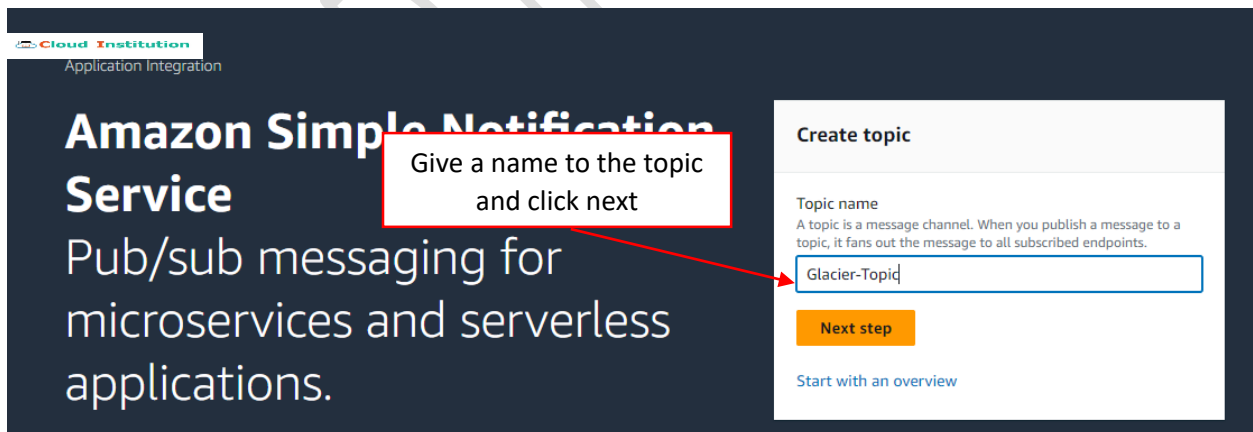
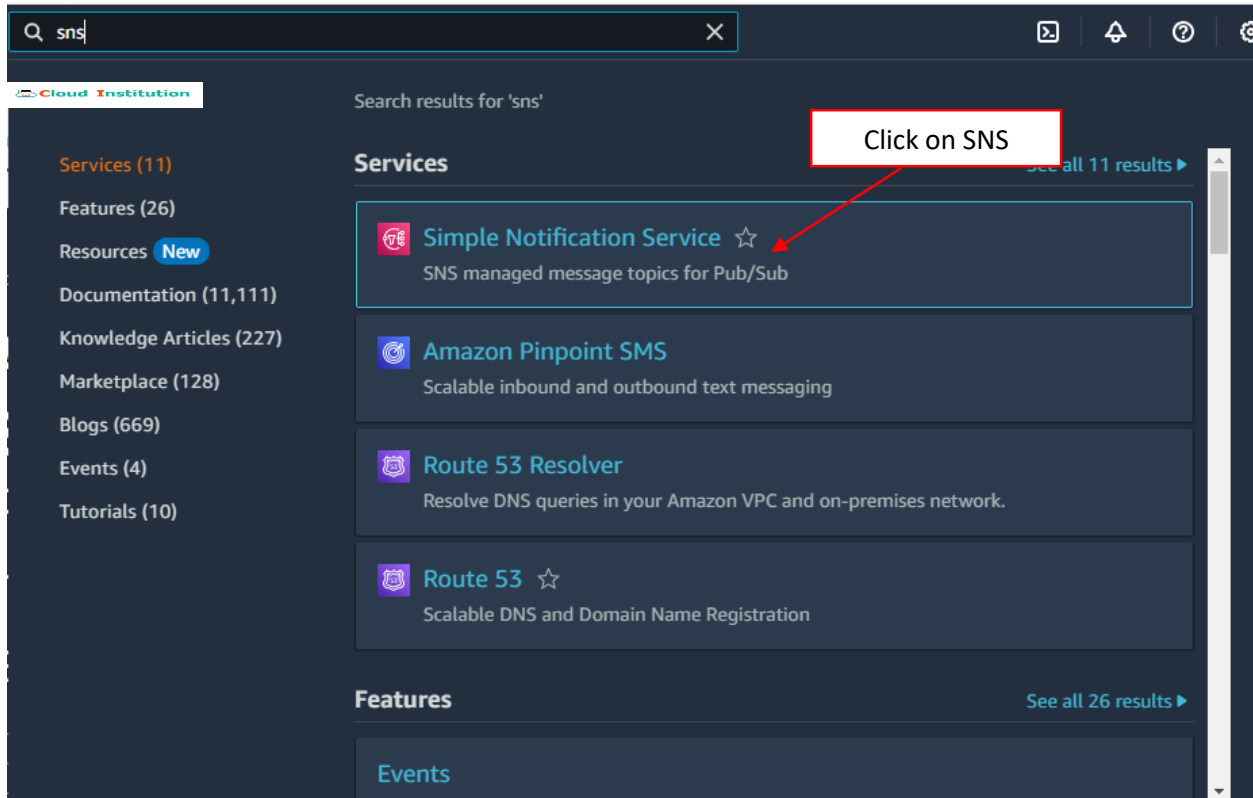



## S3 GLACIER

### Step 1 : Create SNS



## Create topic

 Cloud Institution

**Details**

Type **Info**

Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- High throughput, up to 300 publishes/second
- Subscription protocols: SQS

☒ Standard

- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name

Glacier-Topic

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (\_).

Display name - optional **Info**

To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

My Topic

Maximum 100 characters.

### ▼ Access policy - optional **Info**

This policy defines who can access your topic. By default, only the topic owner can publish and subscribe to the topic.

 Cloud Institution

Choose method

☒ Basic

Use simple criteria to define a basic access policy.

☐ Advanced

Use a JSON object to define an advanced access policy.

Publishers

Specify who can publish messages to the topic.

Everyone

Anybody can publish

Subscribers

Specify who can subscribe to this topic.

Everyone

Any AWS account can subscribe to the topic

JSON preview

```
{
  "Version": "2008-10-17",
  "Id": "__default_policy_ID",
  "Statement": [
    {
      "Sid": "__default_statement_ID",
      "Effect": "Allow",
      "Principal": {
        "AWS": "*"
      },
      "Action": [
        "SNS:Publish",
        "SNS:RemovePermission",
        "SNS:SetTopicAttributes"
      ]
    }
  ]
}
```

► **Delivery status logging - optional** [Info](#)

These settings configure the logging of message delivery status to CloudWatch Logs.

► **Tags - optional**

A tag is a metadata label that you can assign to an Amazon SNS topic. Each tag consists of a key and an optional value. You can use tags to search and filter your topics and track your costs. [Learn more](#)

► **Active tracing - optional** [Info](#)

Use AWS X-Ray active tracing for this topic to view its traces and service map in Amazon CloudWatch. Additional costs apply.

Cancel Create topic

Click create

## SUCCESSFULLY TOPIC IS CREATED

✓ **Topic Glacier-Topic created successfully.**

You can create subscriptions and send messages to them from this topic.

Publish message

Amazon SNS > Topics > Glacier-Topic

### Glacier-Topic

Edit Delete Publish message

**Details**

Name	Glacier-Topic	Display name	-
ARN	arn:aws:sns:us-east-1:473869189128:Glacier-Topic	Topic owner	473869189128
Type	Standard		

## Step 2 : Create Subscription

**Amazon SNS** × **New Feature**  
Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

**Click Subscription**

Dashboard  
**Topics**  
Subscriptions

▼ **Mobile**  
Push notifications  
Text messaging (SMS)  
Origination numbers

**Glacier-Topic created successfully.**  
You can create subscriptions and send messages to them from this topic.

Amazon SNS > Topics > Glacier-Topic

## Glacier-Topic

### Details

Name	Glacier-Topic	Display name	-
ARN	arn:aws:sns:us-east-1:473869189128:Glacier-Topic	Topic owner	473869189128

Amazon SNS > Subscriptions

**Subscriptions (0)** Edit Delete Request confirmation Confirm subscription Create subscription

Search

ID	Endpoint	Status	Topic
No subscriptions found			
<span>Create subscription</span>			

**Click Create**

## Create subscription

**Details**

Topic ARN

MyTopic

arn:aws:sns:us-east-1:473869189128:Glacier-Topic

Protocol

The type of endpoint to subscribe

Select protocol

**Select the topic we have created**

Topic ARN

 **Cloud Institution**

Protocol

The type of endpoint to subscribe

Amazon Kinesis Data Firehose

Amazon SQS

AWS Lambda

Email

Email-JSON

HTTP

HTTPS


Platform application endpoint

SMS

Select Email in the protocol

Endpoint

An email address that can receive notifications from Amazon SNS.

 After your subscription is created, you must confirm it. [Info](#)

Give a valid email id

► **Subscription filter policy - optional** [Info](#)

This policy filters the messages that a subscriber receives.

► **Redrive policy (dead-letter queue) - optional** [Info](#)

Send undeliverable messages to a dead-letter queue.

Click Create

Cancel

Create subscription

✓ Subscription to Glacier-Topic created successfully.

The ARN of the subscription is arn:aws:sns:us-east-1:473869189128:Glacier-Topic:bf7d5c42-e2db-4057-a03f-e6b986e13fff.

[Amazon SNS](#) > [Topics](#) > [Glacier-Topic](#) > Subscription: bf7d5c42-e2db-4057-a03f-e6b986e13fff

Subscription: bf7d5c42-e2db-4057-a03f-e6b986e13fff

Edit

Delete

#### Details

##### ARN

arn:aws:sns:us-east-1:473869189128:Glacier-Topic:bf7d5c42-e2db-4057-a03f-e6b986e13fff

##### Status

⌚ Pending confirmation

##### Endpoint

cloudinstitution@gmail.com

##### Protocol

EMAIL

##### Topic

[Glacier-Topic](#)

##### Subscription Principal

arn:aws:iam::473869189128:root

Go to the email

AWS Notification - Subscription Confirmation Inbox x



**AWS Notifications** <no-reply@sns.amazonaws.com>

11:13 (3 minutes ago)



to me ▾

Click Confirm

You have chosen to subscribe

arn:aws:sns:us-east-1:473869189128:Glacier-Topic

To confirm this subscription, click or visit the link below (If this was in error no action is necessary):

[Confirm subscription](#)

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)



Simple Notification Service

### Subscription confirmed!

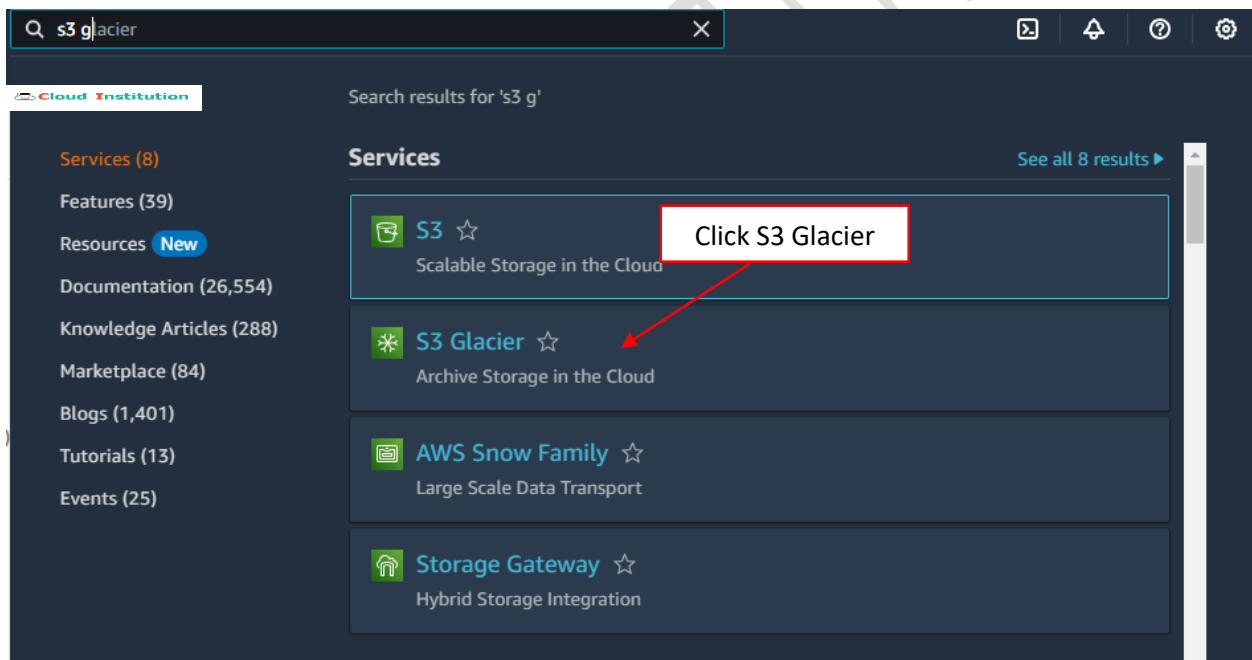
You have successfully subscribed.

Your subscription's id is:

arn:aws:sns:us-east-1:473869189128:Glacier-Topic:bf7d5c42-e2db-4057-a03f-e6b986e13fff

If it was not your intention to subscribe, [click here to unsubscribe](#).

## Step 3 : Create Vault



Amazon S3 Glacier > Vaults

Cloud Institution

Vaults Info

View details Delete Create vault

Find vaults by name

Vault name	Vault ARN
No vaults No vaults to display. Create vault	

Click Vault

Amazon S3 Glacier > Vaults > Create vault

Cloud Institution

## Create vault Info

Vaults allow you to organize your archives with access policies and notification configurations.


**Vault name**

**AWS Region**  
The AWS Region that your vault will be located in. Use the AWS Region drop-down menu to create vaults in other AWS Regions.  
US East (N. Virginia) us-east-1

**Vault name**  
Give a name to the Vault  
GlacierVault

The vault name can be up to 255 characters, and must be unique within the account and the AWS Region. Allowed characters are a-z, A-Z, 0-9, '\_' (underscore), '-' (hyphen), and '.' (period).



Event notifications [Info](#) Cloud Institution

## Set event notifications

☐ Turn off notifications

No notifications will be sent when events happen.

☒ Turn on notifications

Enable notifications by using an SNS topic.

## Event notification settings

☐ Create new SNS topic☒ Choose an existing SNS topic

## Specify SNS topic

☐ Choose from your SNS topics☒ Enter SNS topic ARN

## Amazon SNS topic ARN

Enable notification

Choose this

Choose this

Go to the mail and copy the ARN

AWS Notification - Subscription Confirmation [Inbox x](#) Cloud Institution**AWS Notifications** <no-reply@sns.amazonaws.com>  
to me ▾

Copy this

11:13 (3 minutes ago)




You have chosen to subscribe to the topic:

**arn:aws:sns:us-east-1:473869189128:Glacier-Topic**

To confirm this subscription, click or visit the link below (If this was in error no action is necessary):

[Confirm subscription](#)Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

Specify SNS topic 

☐ Choose from your SNS topics

☒ Enter SNS topic ARN

Amazon SNS topic ARN

Events


☒ Archive Retrieval Job Complete  
A job completion message will be sent when the archive retrieval job is completed, typically 3.5 - 4 hours after the job is initiated.

☒ Vault Inventory Retrieval Job Complete  
A job completion message will be sent when the inventory retrieval job is completed, typically 3.5 - 4 hours after the job is initiated.

Cancel Create vault

Successfully created vault "GlacierVault" and configured event notifications.

Amazon S3 Glacier > Vaults



Vaults (1) Info

Vault name	Vault ARN	Last inventory
<a href="#">GlacierVault</a>	arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault	-

We cannot upload files to the vault directly from the AWS console, so we are doing it by AWS CLI

STEP 4 : Configure with AWS

Open CMD

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>aws --version
aws-cli/2.12.2 Python/3.11.4 Windows/10 exe/AMD64 prompt/off

C:\Users\Administrator>
```

Check for version

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>aws --version
aws-cli/2.12.2 Python/3.11.4 Windows/10 exe/AMD64 prompt/off

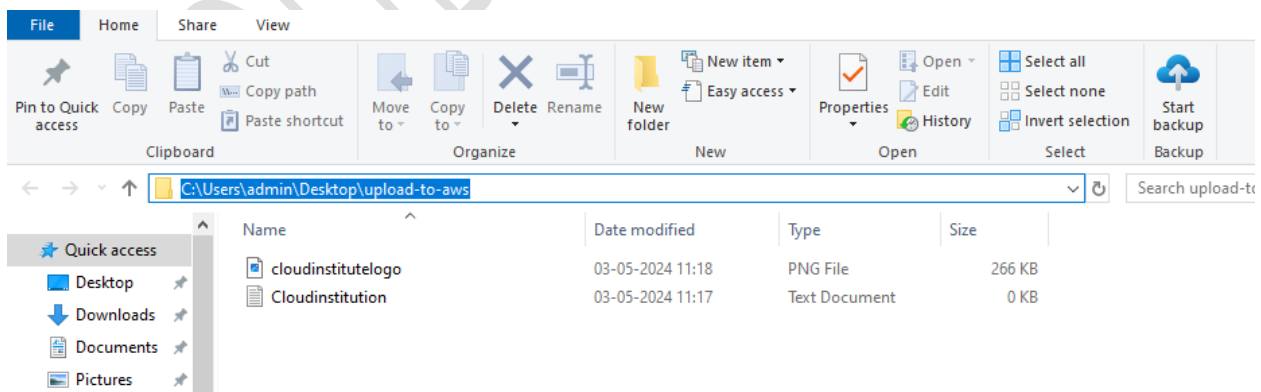
C:\Users\Administrator>aws configure
AWS Access Key ID [None]: AKIAW4VGOAAEEQMUZHW6
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json

C:\Users\Administrator>
```

Configure AWS

Enter the access key, secret key, region and output format

Create a folder in desktop and name it as “upload-to-aws”.  
Inside the folder save any text file/image as you wish.



In the command prompt, set the path to the folder containing the files

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>cd Desktop

C:\Users\Administrator\Desktop>cd upload-to-aws

C:\Users\Administrator\Desktop\upload-to-aws>
```

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

C:\Users\Administrator\Desktop\upload-to-aws>dir
Volume in drive C is Windows
Volume Serial Number is FA64-4EC0

Directory of C:\Users\Administrator\Desktop\upload-to-aws

05/01/2024 12:24 PM <DIR> .
05/01/2024 12:24 PM <DIR> ..
05/01/2024 12:09 PM          119 Cloud-institute.txt
05/01/2024 12:24 PM       6,713 Cloud-logo.png
                2 File(s)        6,832 bytes
                2 Dir(s)  93,022,322,688 bytes free

C:\Users\Administrator\Desktop\upload-to-aws>
```

Use the command "dir" to list the files

USE THE BELOW COMMAND TO PUSH THE FILES TO THE VAULT

aws glacier upload-archive --account-id - --vault-name my-vault --body archive.zip

```
C:\Users\Administrator\Desktop\upload-to-aws>aws glacier upload-archive --account-id - --vault-name GlacierVault --body Cloud-institute.txt
{
  "location": "/473869189128/vaults/GlacierVault/archives/MjjzJQiaF5fPDIn1-lmZXLOxX0QPENNJ0Bb4IN43bR0q10N6n0ReAda46UB_S__apCNqXiLs9_vgD0e9RKuN
gze2xIMzVTq5Su0K3-pFQTA0122MqrZBsyoh04F2jllxJxx9sARQ4Q",
  "checksum": "c68bc0c1a4865692520efc6382a213c71605931141f03d3c7a077f4eef0b11c8",
  "archiveId": "MjjzJQiaF5fPDIn1-lmZXLOxX0QPENNJ0Bb4IN43bR0q10N6n0ReAda46UB_S__apCNqXiLs9_vgD0e9RKuNgze2xIMzVTq5Su0K3-pFQTA0122MqrZBsyoh04F2jll
xJxx9sARQ4Q"
}
```

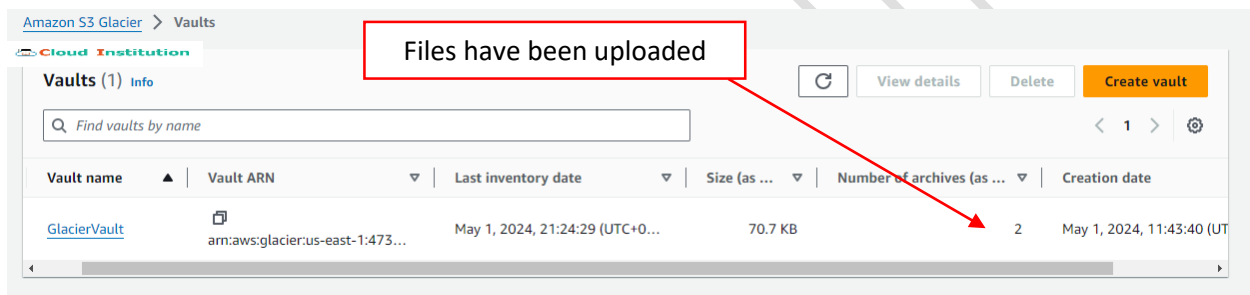
Save the key for further use

```
C:\Users\Administrator\Desktop\upload-to-aws>aws glacier upload-archive --account-id - --vault-name GlacierVault --body Cloud-logo.png
{
  "location": "/473869189128/vaults/GlacierVault/archives/rS1vjAb0REhv46fCvL6d3GpMkJAXAXxG9xXCiIQ_aCeL070BbzQJ9bhnwVerRnuadToLETQ6Uc1RFA6kziG51hIXRPw6YqQPf1XKOWUJqeqpKx1YtL12_BTvcuMiHvZqkLBV53pQQ",
  "checksum": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "archiveId": "rS1vjAb0REhv46fCvL6d3GpMkJAXAXxG9xXCiIQ_aCeL070BbzQJ9bhnwVerRnuadToLETQ6Uc1RFA6kziG51hIXRPw6YqQPf1XKOWUJqeqpKx1YtL12_BTvcuMiHvZqkLBV53pQQ"
}
```

Save the key for further use

Here we have uploaded 2 files in the vault

We need to wait until the files are uploaded to the vault in the AWS console



STEP 5 : Initiate the job

Type the command: `aws glacier initiate-job --account-id - --vault-name my-vault --job-parameters '{"Type":"inventory-retrieval"}'`

```
C:\Users\Administrator\Desktop\upload-to-aws>aws glacier initiate-job --account-id - --vault-name GlacierVault --job-parameters '{"Type":"inventory-retrieval"}'
{
  "location": "/473869189128/vaults/GlacierVault/jobs/7r69Pr8Fs_kY4LVIDfYhWSaOe9AU7vmH7C4qLnBTB-NXTVHWfFTIor2Rab2lp4zpuDZHWJZg88l9BvJ_41lcT9HKg3GS",
  "jobId": "7r69Pr8Fs_kY4LVIDfYhWSaOe9AU7vmH7C4qLnBTB-NXTVHWfFTIor2Rab2lp4zpuDZHWJZg88l9BvJ_41lcT9HKg3GS"
}
```

If we are working in windows, we need to add backslash in the command

Then we need to wait until we receive a mail from AWS

AWS Notification Message Inbox xAWS Notifications <no-reply@sns.amazonaws.com>  
to me

14:56 (59 minutes ago) ☆ 😊 ↶ ⋮

```
{ "Action": "InventoryRetrieval", "ArchiveId": null, "ArchiveSHA256TreeHash": null, "ArchiveSizeInBytes": null, "Completed": true, "CompletionDate": "2024-05-02T09:26:16.184Z", "CreationDate": "2024-05-02T05:38:39.299Z", "InventoryRetrievalParameters": { "EndDate": null, "Format": "JSON", "Limit": null, "Marker": null, "StartDate": null, "InventorySizeInBytes": 753, "JobDescription": null, "JobId": "7r69Pr8Fs_kY4LVIDfYhWSaOe9AU7vmH7C4qLnBTB-NXTVHWfTlor2Rab2lp4zpuDZHWJZg88I9BvJ_4llcT9HKg3GS", "RetrievalByteRange": null, "SHA256TreeHash": null, "SNSTopic": null, "StatusCode": "Succeeded", "StatusMessage": "Succeeded", "Tier": null, "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault" }
```

--  
If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:

<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:473869189128:Glacier-Topic:b7fd5c42-e2db-4057-a03f-e6b986e13fff&Endpoint=ameenabanu0997@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

After receiving the email we have 24 hours to download the inventory.

## Step 6 : Get-Job-Output

AWS Notification Message Inbox xAWS Notifications <no-reply@sns.amazonaws.com>  
to me

14:56 (59 minutes ago) ☆ 😊 ↶ ⋮

```
{ "Action": "InventoryRetrieval", "ArchiveId": null, "ArchiveSHA256TreeHash": null, "ArchiveSizeInBytes": null, "Completed": true, "CompletionDate": "2024-05-02T09:26:16.184Z", "CreationDate": "2024-05-02T05:38:39.299Z", "InventoryRetrievalParameters": { "EndDate": null, "Format": "JSON", "Limit": null, "Marker": null, "StartDate": null, "InventorySizeInBytes": 753, "JobDescription": null, "JobId": "7r69Pr8Fs_kY4LVIDfYhWSaOe9AU7vmH7C4qLnBTB-NXTVHWfTlor2Rab2lp4zpuDZHWJZg88I9BvJ_4llcT9HKg3GS", "RetrievalByteRange": null, "SHA256TreeHash": null, "SNSTopic": null, "StatusCode": "Succeeded", "StatusMessage": "Succeeded", "Tier": null, "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault" }
```

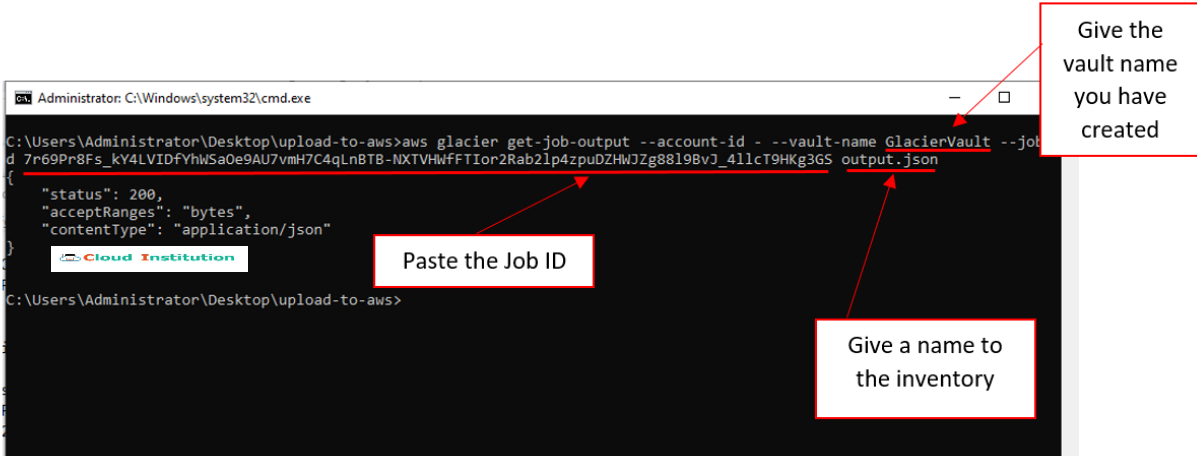
--  
If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:  
<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:473869189128:Glacier-Topic:b7fd5c42-e2db-4057-a03f-e6b986e13fff&Endpoint=ameenabanu0997@gmail.com>

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Copy the Job ID

Get-job-output command:

```
aws glacier get-job-output --account-id - --vault-name my-vault --  
job-id zbxcm3Z_3z5UkoroF7SuZKrxgGoDc3RloGduS7Eg-  
RO47Yc6FxsGdGBgf_Q2DK5Ejh18CnTS5XW4_XqINHS61dsO4CnMW  
output.json
```



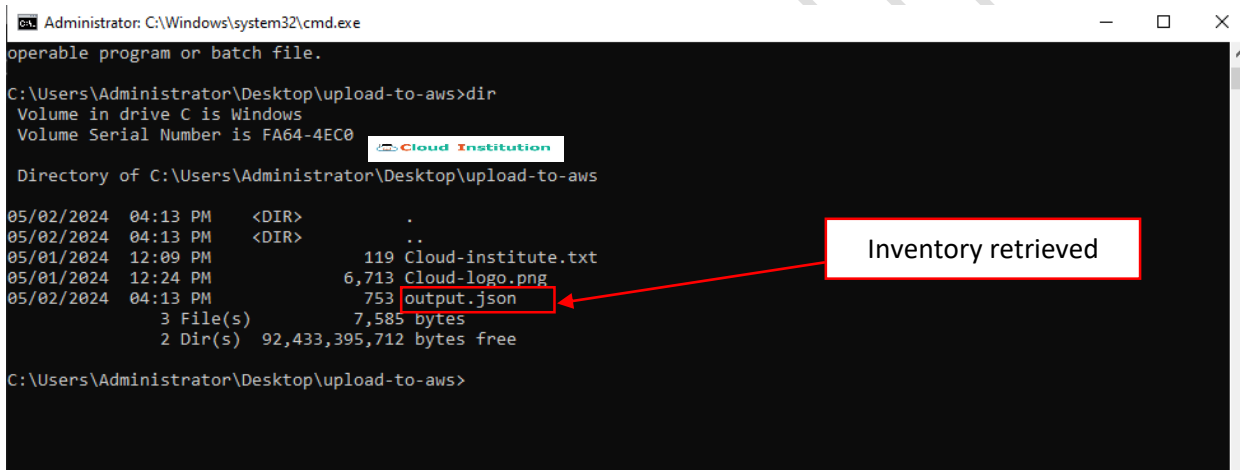
```
Administrator: C:\Windows\system32\cmd.exe

C:\Users\Administrator\Desktop\upload-to-aws>aws glacier get-job-output --account-id --vault-name GlacierVault --job-id 7r69Pr8Fs_kY4LVIDfYhW5a0e9AU7vmH7C4qLn8TB-NXTVMWffTior2Rab2lp4zpuDZHWJZg8819Bvj_411cT9HKg3GS output.json
{
  "status": 200,
  "acceptRanges": "bytes",
  "contentType": "application/json"
}
```

Give the vault name you have created

Paste the Job ID

Give a name to the inventory



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

operable program or batch file.

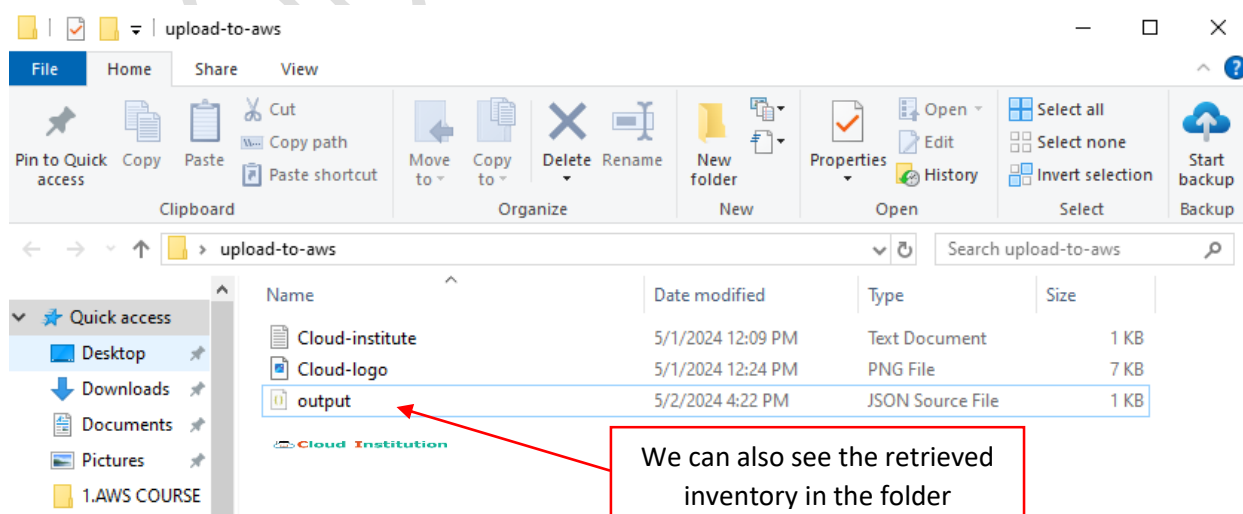
C:\Users\Administrator\Desktop\upload-to-aws>dir
Volume in drive C is Windows
Volume Serial Number is FA64-4EC0

Directory of C:\Users\Administrator\Desktop\upload-to-aws

05/02/2024  04:13 PM    <DIR>          .
05/02/2024  04:13 PM    <DIR>          ..
05/01/2024  12:09 PM                119 Cloud-institute.txt
05/01/2024  12:24 PM           6,713 Cloud-logo.png
05/02/2024  04:13 PM              753 output.json
               3 File(s)            7,585 bytes
               2 Dir(s)      92,433,395,712 bytes free

C:\Users\Administrator\Desktop\upload-to-aws>
```

Inventory retrieved



Open the json file – output.json

```
File Edit Format View Help
Cloud Institution
{"VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault", "InventoryDate": "2024-05-01T15:54:29Z", "ArchiveList": [{"ArchiveId": "MjjZJQiaF5fPDIn1-lmZXLOxX0QPENNJoBb4IN43bR0q10N6n0ReAda46UB_S__apCNqXiLs9_vgD0e9RKuNgze2xIMzVTq5Su0K3-pFQTA0122MqrZBsyoh04F2jllxJxx9sARQ40", "ArchiveDescription": "", "CreationDate": "2024-05-01T06:51:28Z", "Size": 119, "SHA256TreeHash": "c68bc0c1a4865692520efc6382a213c71605931141f03d3c7a077f4eef0b11c8"}, {"ArchiveId": "rS1vjAb0REhv46fCvL6Ld3GpMkjAXAXG9xXCilQ_aCeL070BbzQJ9bhnwVeRnduadToLETQ6Uc1RFA6kziG51hIXRPW6YqQPf1XK0WUJqeqpKx1YtL12_BTvcuMiHvZqkLBV53pQQ", "ArchiveDescription": "", "CreationDate": "2024-05-01T06:56:07Z", "Size": 6713, "SHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91"}]}
```

Step 7: Initiate the job again to retrieve the files

Initiate job Command:

**aws glacier initiate-job --account-id - --vault-name my-vault --job-parameters '{"Type": "inventory-retrieval"}'**

Replace the '{"Type": "inventory-retrieval"}' with archive-retrieval and add the archive id



File Edit Format View Help

Cloud Institution

```
{ "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault", "InventoryDate": "2024-05-01T15:54:29Z", "ArchiveList":
[{"ArchiveId": "MjjZJQiaF5fPDInl-1mZXLOxX0QPENNJoBb4IN43bR0q10N6n0ReAda46UB_S_apCNqXiLs9_vgDOe9RKuNgze2xIMzVTq55Su0K3-
pFQTA0122MqrZBsyoh04F2j1lxJxx9sARQ4Q", "ArchiveDescription": "", "CreationDate": "2024-05-
01T06:51:28Z", "Size": 119, "SHA256TreeHash": "c68bc0c1a4865692520efc6382a213c71605931141f03d3c7a077f4eef0b11c8"},
{"ArchiveId": "rS1vjAb0REhv46fCvL6Ld3GpMkjAXAXG9xXCilQ_aCeL070BbzQJ9bhnwVeRnduadToLETO6Uc1RFA6kziG51hIXRPW6YqQPf1XK0WUJqeqpKx1YtL1
2_BTvcuMiHvZqkLBV53pQQ", "ArchiveDescription": "", "CreationDate": "2024-05-
01T06:56:07Z", "Size": 6713, "SHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91"}]]
```

Copy the Archive ID

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

```
C:\Users\Administrator\Desktop\upload-to-aws>aws glacier initiate-job --account-id - --vault-nam
e GlacierVault --job-parameters Type=archive-retrieval,ArchiveId=MjjZJQiaF5fPDInl-1mZXLOxX0QPENN
JoBb4IN43bR0q10N6n0ReAda46UB_S_apCNqXiLs9_vgDOe9RKuNgze2xIMzVTq55Su0K3-pFQTA0122MqrZBsyoh04F2j1l
xJxx9sARQ4Q
{
  "location": "/473869189128/vaults/GlacierVault/jobs/_42V3Z1cM3L-TEznPsNGMRjJS7n-Gc5RaaBjI-_J
nGzGGe_5CHEhASW65X4yXWZ2XTRtkHirbAA-wMH4q7PP6V6NbEvG",
  "jobId": "_42V3Z1cM3L-TEznPsNGMRjJS7n-Gc5RaaBjI-_JnGzGGe_5CHEhASW65X4yXWZ2XTRtkHirbAA-wMH4q7
PP6V6NbEvG"
}
```

Paste the Archive ID

Similarly do the same for other file

File Edit Format View Help

Cloud Institution

```
{ "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault", "InventoryDate": "2024-05-01T15:54:29Z", "ArchiveList":  
[ { "ArchiveId": "MjjZJQiaF5fPDInl-lmZXLOxX0QPENNJoBb4IN43bR0q10N6n0ReAda46UB_S_apCNqXils9_vgDOe9RKuNgze2xIMzVTq5Su0K3-  
pFQTA0122MqrZBsyoh04F2jllxJxx9sARQ4Q", "ArchiveDescription": "", "CreationDate": "2024-05-  
01T06:51:28Z", "Size": 119, "SHA256TreeHash": "c68bc0c1a4865692520efc6382a213c71605931141f03d3c7a077f4eef0b11c8"},  
{ "ArchiveId": "rS1vjAb0REhv46fCvL6Ld3GpMkjAXAXxG9xXCilQ_aCeL070BbzQJ9bhnwVeRnduadToLETQ6Uc1RFA6kziG51hIXRPW6YqQPf1XKOWUJqeqpKx1YtL1  
2_BTvcuMiHvZqkLBV53pQQ", "ArchiveDescription": "", "CreationDate": "2024-05-  
01T06:56:07Z", "Size": 6713, "SHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91"} ] }
```

Copy the Archive ID

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

```
C:\Users\Administrator\Desktop\upload-to-aws>aws glacier initiate-job --account-id - --vault-nam  
e GlacierVault --job-parameters Type=archive-retrieval,ArchiveId=rS1vjAb0REhv46fCvL6Ld3GpMkjAXAX  
xG9xXCilQ_aCeL070BbzQJ9bhnwVeRnduadToLETQ6Uc1RFA6kziG51hIXRPW6YqQPf1XKOWUJqeqpKx1YtL12_BTvcuMiHv  
ZqkLBV53pQQ  
{  
  "location": "/473869189128/vaults/GlacierVault/jobs/0eZEKvZc8UEbS9JiKGUqMhcWss1n4CPG7Penik4H  
rQSbegCJ_IaEv0iZcCMxZiQ0UX8UPcowvToy_pdcUWZbOGHo-ivr",  
  "jobId": "0eZEKvZc8UEbS9JiKGUqMhcWss1n4CPG7Penik4HrQSbegCJ_IaEv0iZcCMxZiQ0UX8UPcowvToy_pdcUW  
ZbOGHo-ivr"  
}
```

Paste the Archive ID

Glacier is now retrieving the files. We need to wait again until we receive a mail again

**AWS Notifications** <no-reply@sns.amazonaws.com> 21:41 (15 minutes ago) ☆ 😊 ↶ ⋮

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```
{
  "Action": "ArchiveRetrieval",
  "ArchiveId": "MjjZJQiaF5fPDInl-lmZXLOxX0QPENNJoBb4IN43bR0q10N6nOReAda46UB_S__apCNqXilS9_vgDO",
  "e9RKuNgze2xIMzVTq5Su0K3-pFTA0122MqrZBsyoh04F2jllxJxx9sARQ4Q",
  "ArchiveSHA256TreeHash": "c68bc0c1a486569250efc6382a213c71605931141f03d3c7a077f4eef0b11c8",
  "ArchiveSizeInBytes": 119,
  "Completed": true,
  "CompletionDate": "2024-05-02T16:11:04.930Z",
  "CreationDate": "2024-05-02T12:21:32.879Z",
  "InventoryRetrievalParameters": null,
  "InventorySizeInBytes": null,
  "JobDescription": null,
  "JobId": "42V3ZlcM3L-TEznPsNGMRJJS7n-Gc5RaaBjl-JnGzGcCe_5CHEhASW65X4yXWZ2XTRtkHirbAA-wMH4q7PP6V6NbEvG",
  "RetrievalByteRange": "0-118",
  "SHA256TreeHash": "c68bc0c1a486569250efc6382a213c71605931141f03d3c7a077f4eef0b11c8",
  "SNSTopic": null,
  "StatusCode": "Succeeded",
  "StatusMessage": "Succeeded",
  "Tier": "Standard",
  "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault"
}
```

...

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```
{
  "Action": "ArchiveRetrieval",
  "ArchiveId": "rS1vjAbOREhv46fCvL6Ld3GpMkJAXAXG9xXCilQ_aCeL070BbzQJ9bhnwVeRnduadToLETQ6Uc1RF",
  "A6kziG51hIXRPW6YqQPfIXKOWUJqeqpKx1YtL12_BTvcuMiHvZqkLBV53pQQ",
  "ArchiveSHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "ArchiveSizeInBytes": 6713,
  "Completed": true,
  "CompletionDate": "2024-05-02T16:13:15.832Z",
  "CreationDate": "2024-05-02T12:19:22.696Z",
  "InventoryRetrievalParameters": null,
  "InventorySizeInBytes": null,
  "JobDescription": null,
  "JobId": "0eZEkvZc8UEbS9JIKGUqMhcWSs1n4C",
  "PG7Penik4HrQSBegCJ_JaEv0IzCcMxZiQ0UX8UPcowvToy_pdcUWZbOGHo-ivr",
  "RetrievalByteRange": "0-6712",
  "SHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "SNSTopic": null,
  "StatusCode": "Succeeded",
  "StatusMessage": "Succeeded",
  "Tier": "Standard",
  "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault"
}
```

...

Again get-job-output command

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```
{
  "Action": "ArchiveRetrieval",
  "ArchiveId": "MjjZJQiaF5fPDInl-lmZXLOxX0QPENNJoBb4IN43bR0q10N6nOReAda46UB_S__apCNqXilS9_vgDO",
  "e9RKuNgze2xIMzVTq5Su0K3-pFTA0122MqrZBsyoh04F2jllxJxx9sARQ4Q",
  "ArchiveSHA256TreeHash": "c68bc0c1a486569250efc6382a213c71605931141f03d3c7a077f4eef0b11c8",
  "ArchiveSizeInBytes": 119,
  "Completed": true,
  "CompletionDate": "2024-05-02T16:11:04.930Z",
  "CreationDate": "2024-05-02T12:21:32.879Z",
  "InventoryRetrievalParameters": null,
  "InventorySizeInBytes": null,
  "JobDescription": null,
  "JobId": "42V3ZlcM3L-TEznPsNGMRJJS7n-Gc5RaaBjl-JnGzGcCe_5CHEhASW65X4yXWZ2XTRtkHirbAA-wMH4q7PP6V6NbEvG",
  "RetrievalByteRange": "0-118",
  "SHA256TreeHash": "c68bc0c1a486569250efc6382a213c71605931141f03d3c7a077f4eef0b11c8",
  "SNSTopic": null,
  "StatusCode": "Succeeded",
  "StatusMessage": "Succeeded",
  "Tier": "Standard",
  "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault"
}
```

...

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```
{
  "Action": "ArchiveRetrieval",
  "ArchiveId": "rS1vjAbOREhv46fCvL6Ld3GpMkJAXAXG9xXCilQ_aCeL070BbzQJ9bhnwVeRnduadToLETQ6Uc1RF",
  "A6kziG51hIXRPW6YqQPfIXKOWUJqeqpKx1YtL12_BTvcuMiHvZqkLBV53pQQ",
  "ArchiveSHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "ArchiveSizeInBytes": 6713,
  "Completed": true,
  "CompletionDate": "2024-05-02T16:13:15.832Z",
  "CreationDate": "2024-05-02T12:19:22.696Z",
  "InventoryRetrievalParameters": null,
  "InventorySizeInBytes": null,
  "JobDescription": null,
  "JobId": "0eZEkvZc8UEbS9JIKGUqMhcWSs1n4C",
  "PG7Penik4HrQSBegCJ_JaEv0IzCcMxZiQ0UX8UPcowvToy_pdcUWZbOGHo-ivr",
  "RetrievalByteRange": "0-6712",
  "SHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "SNSTopic": null,
  "StatusCode": "Succeeded",
  "StatusMessage": "Succeeded",
  "Tier": "Standard",
  "VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault"
}
```

...

Copy the Job ID


```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>cd desktop
C:\Users\Administrator\Desktop>cd upload-to-aws
C:\Users\Administrator\Desktop\upload-to-aws>aws glacier get-job-output --account-id - --vault-name GlacierVault --job-id
d_42V3Zlcm3L-TEznPsNGMRjJS7n-Gc5RaaBjI-_JnGzGce_5CHEhASW65X4yXWZ2XTRtkHirbAA-wMH4q7PP6V6NbEvG cloudinstitutedownload.js
on
{
  "checksum": "c68bc0c1a4865692520efc6382a213c71605931141f03d3c7a077f4eef0b11c8",
  "status": 200,
  "acceptRanges": "bytes",
  "contentType": "application/octet-stream"
}

C:\Users\Administrator\Desktop\upload-to-aws>
```


Paste the job ID

Give a name to the Json file

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{ "Action": "ArchiveRetrieval", "ArchiveId": "MjjZJQiaF5fPDInI-mZXLoX0QPENNJoBb4IN43bR0q10N6nOReAda46UB\_S\_\_apCNqXilS9\_vgDO  
e9RKuNgze2xIMzVTq5Su0K3-pFQTA0122MqrZBsyoh04F2jllxJxx9sARQ4Q", "ArchiveSHA256TreeHash": "c68bc0c1a4865692520efc6382a213c71  
605931141f03d3c7a077f4eef0b11c8", "ArchiveSizeInBytes": 119, "Completed": true, "CompletionDate": "2024-05-02T16:11:04.930Z", "CreationDate": "2024-05-02T12:  
21:32.879Z", "InventoryRetrievalParameters": null, "InventorySizeInBytes": null, "JobDescription": null, "JobId": "d\_42V3Zlcm3L-TEznPsNGMRjJS7n-Gc5RaaBjI-  
\_JnGzGce\_5CHEhASW65X4yXWZ2XTRtkHirbAA-wMH4q7PP6V6NbEvG", "RetrievalByteRange": "0-118", "SHA256TreeHash": "c68bc0c  
1a4865692520efc6382a213c71605931141f03d3c7a077f4eef0b11c8", "Status": "Succeeded", "StatusCode": "Succeeded", "StatusMessage": "Succeeded", "Tier": "Standard", "  
VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault" }

Copy the Job ID

 **AWS Notifications** <no-reply@sns.amazonaws.com> 21:43 (13 minutes ago) ☆ 😊 ↶ ⋮  
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{ "Action": "ArchiveRetrieval", "ArchiveId": "rS1vjAbOREhv46fCvL6Ld3GpMkAXAXG9xXCilQ\_aCeL070BbzQJ9bhnwVeRnduadToLETQ6Uc1RF  
A6kziG51hIXRPW6YqPfiXKOWUJqeppKx1YtL12\_BTvcuMiHvZqkLBV53pQQ", "ArchiveSHA256TreeHash": "d8a808a5c7a4f9c857a6557d25fc17215  
90af3793c540939856faad25be9fc91", "ArchiveSizeInBytes": 6713, "Completed": true, "CompletionDate": "2024-05-02T16:13:15.832Z", "CreationDate": "2024-05-02T12:  
19:22.696Z", "InventoryRetrievalParameters": null, "InventorySizeInBytes": null, "JobDescription": null, "JobId": "0eZEkvZc8UEbS9JIKGUqMhcWSs1n4C  
PG7Penik4HrQsbeqCJ\_1aEv0IZcCMxZIQ0UX8UPcowvToy\_pdcUWZbOGHo-ivr", "RetrievalByteRange": "0-6712", "SHA256TreeHash": "d8a808  
a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91", "SNSTopic": null, "Status": "Succeeded", "StatusCode": "Succeeded", "StatusMessage": "Succeeded", "Tier": "Standard", "  
VaultARN": "arn:aws:glacier:us-east-1:473869189128:vaults/GlacierVault" }

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

"status": 200,
"acceptRanges": "bytes",
"contentType": "application/octet-stream"
}

C:\Users\Administrator\Desktop\upload-to-aws>aws glacier get-job-output --account-id - --vault-name GlacierVault --job-id 0eZEkvZc8UEbS9JiKGUqMhcWSs1n4CPG7Penik4HrQSbegCJ_IaEv0iZcCMxZiQ0UX8UPcowvToy_pdcUWZb0GHO-ivr cloudinstitutelogo.json

{
  "checksum": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "status": 200,
  "acceptRanges": "bytes",
  "contentType": "application/octet-stream"
}

C:\Users\Administrator\Desktop\upload-to-aws>
```

Paste the job Id

Give a name to the Json file

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

C:\Users\Administrator\Desktop\upload-to-aws>aws glacier get-job-output --account-id - --vault-name GlacierVault --job-id 0eZEkvZc8UEbS9JiKGUqMhcWSs1n4CPG7Penik4HrQSbegCJ_IaEv0iZcCMxZiQ0UX8UPcowvToy_pdcUWZb0GHO-ivr cloudinstitutelogo.json

{
  "checksum": "d8a808a5c7a4f9c857a6557d25fc1721590af3793c540939856faad25be9fc91",
  "status": 200,
  "acceptRanges": "bytes",
  "contentType": "application/octet-stream"
}

C:\Users\Administrator\Desktop\upload-to-aws>dir
Volume in drive C is Windows
Volume Serial Number is FA64-4EC0

Directory of C:\Users\Administrator\Desktop\upload-to-aws

05/02/2024 10:07 PM <DIR> .
05/02/2024 10:07 PM <DIR> ..
05/01/2024 12:09 PM      119 Cloud-institute.txt
05/01/2024 12:24 PM   6,713 Cloud-logo.png
05/02/2024 10:07 PM   6,713 cloudinstitutelogo.json
05/02/2024 10:04 PM    119 cloudinstitutetextfile.json
05/02/2024 04:22 PM    753 output.json
               5 File(s)      14,417 bytes
               2 Dir(s)      92,093,509,632 bytes free

C:\Users\Administrator\Desktop\upload-to-aws>
```

Successfully retrieved the files from S3 Glacier