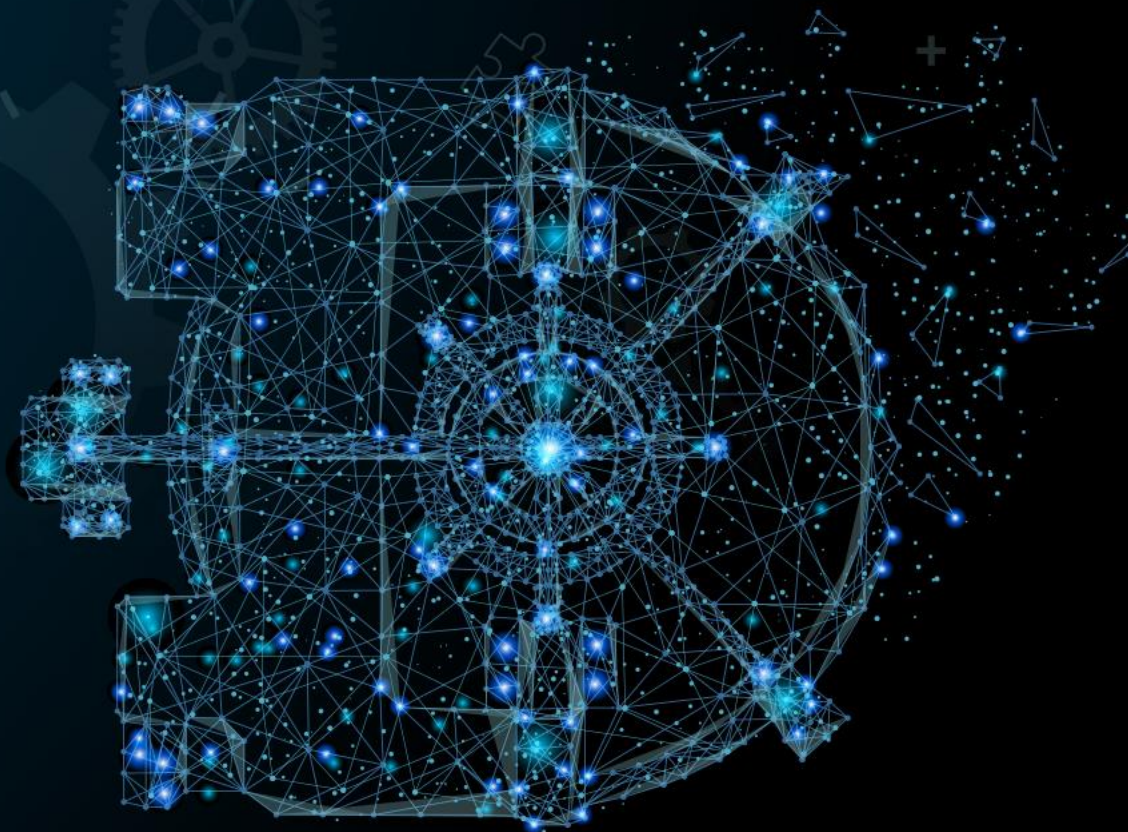


## **AWS How-To-Guide**

# How to delete an Amazon S3 Glacier Vault?



Amazon S3  
Glacier



# Amazon S3 Glacier Vaults

Amazon Glacier offers secure, durable, and extremely low-cost cloud storage classes for data archiving and long-term backup.

- Data is stored in Amazon S3 Glacier in "archives." - Upload a single file as an archive or aggregate multiple files in tar/zip format
- Single archive can be up to 40TB
- Archive is immutable, meaning that after an archive is created it cannot be updated
- Amazon S3 Glacier uses "vaults" as containers to store archives
- Under a single AWS account, you can have up to 1000 vaults
- Vault Lock allows you to enforce compliance controls



Amazon S3 Glacier



Vault



Archive

# Amazon S3 Glacier Vaults

## How to delete old vaults you no longer need if they contain archives?

- S3 Glacier vaults can be deleted via the console or CLI. However, this is only possible if the vault is empty. If you need to delete a nonempty vault you must first delete all existing archives before deleting the vault
- S3 Glacier Archives can only be deleted by writing code or via the Command Line Interface (CLI)

Commands to perform the delete operation  
are provided in the description below.



Amazon S3 Glacier



Vault



Archive

# Amazon S3 Glacier Vaults



How to delete old vaults you no longer need if they contain archives?

- **Step 1**

- Run an inventory job on your AWS Glacier Vault.

```
aws glacier initiate-job --vault-name awsexamplevault --account-id 111122223333 --job-parameters  
'{"Type": "inventory-retrieval"}'
```

**Important Note** – if you are running the command on a Microsoft Windows machine using the command prompt, then use this command:

```
aws glacier initiate-job --account-id 111122223333 --vault-name awsexamplevault --job-parameters  
"{\"Type\": \"inventory-retrieval\"}"
```

# Amazon S3 Glacier Vaults



How to delete old vaults you no longer need if they contain archives?

- **Step 2**

- Use the **describe-job** command to check status of the previous retrieval job

```
aws glacier describe-job --vault-name awsexamplevault --account-id 111122223333 --job-id *** jobid  
***
```

# Amazon S3 Glacier Vaults



How to delete old vaults you no longer need if they contain archives?

- **Step 3**

- Use the **get-job-output** command to download the retrieval job to the file **output.json**.

```
aws glacier get-job-output --vault-name awsexamplevault --account-id 111122223333 --job-id ***  
jobid *** output.json
```

# Amazon S3 Glacier Vaults

How to delete old vaults you no longer need if they contain archives?

- **Step 4**

- Extract the Archive IDs from the `output.json` file using `jq`

```
jq '.ArchiveList[] | .ArchiveId' output.json > archivelds.txt
```

```
jq ".ArchiveList[] | .ArchiveId" output.json > archivelds.txt – Windows Machines CMD
```

# Amazon S3 Glacier Vaults



How to delete old vaults you no longer need if they contain archives?

- **Step 5**

- Delete archives by referencing the archive ID in the archiveids.txt file

```
aws glacier delete-archive --vault-name awsexamplevault --account-id 111122223333 --archive-id ***  
archiveid ***
```



# Amazon S3 Glacier Vaults

How to delete old vaults you no longer need if they contain archives?

- **Step 6**
  - Create a script to delete all the archives from the command prompt

```
1  @echo off
2  setlocal enabledelayedexpansion
3
4  set "vault=panamericaglacier"
5  set "file=archiveIds.txt"
6  set /a count=1
7
8  echo !vault! !file! !count!
9  if exist !file! (
10     for /F "tokens=*" %%A in (!file!) do (
11         set line=%%A
12         echo Deleting Archive !line!
13         echo Count: !count!
14         aws glacier delete-archive --account-id 903452794896 --vault-name !vault! --archive-id=!line! --profile kevin
15         set /a count+=1
16         echo %%A
17     )
18 ) else (
19     echo file does not exists
20 )
21
22 :end
23 endlocal
```

Administrator: C:\Windows\System32\cmd.exe

eting Archive "ay-LeS0nyLGB0rS1lr2kEiv\_SOvfPWPyv4dzZU2EKXLg7m89-s2o1A5IG8K8ehPz-EqL9GDY59AMoJLh80oC971SAS8lk3k\_dHSEAWqTvjsEbaXXrZ6dyxomFptSImp6bB  
nt: 86078

-LeS0nyLGB0rS1lr2kEiv\_SOvfPWPyv4dzZU2EKXLg7m89-s2o1A5IG8K8ehPz-EqL9GDY59AMoJLh80oC971SAS8lk3k\_dHSEAWqTvjsEbaXXrZ6dyxomFptSImp6bBmuIjH7A"  
eting Archive "6xwIakKQmkrK\_VDmS5H6Ln34wktAJtdcnrcqcaLvC3zheeFTilkqT3KdIMynbKVeyLEu1lhmpRnfwgKOGJcVnkskqMVzdsc71TVodUlHOV13zgZ9etUXFC3y3hdSk  
nt: 86079

wIakKQmkrK\_VDmS5H6Ln34wktAJtdcnrcqcaLvC3zheeFTilkqT3KdIMynbKVeyLEu1lhmpRnfwgKOGJcVnkskqMVzdsc71TVodUlHOV13zgZ9etUXFC3y3hdSki2YI0ISQ"  
eting Archive "T7xqPMQ7Zfcl4ZVsiC566\_zd6torj4W81T6yUhcqKu8U8EnGL63E2R1gfm4ttS1PzKRckn5of2aBJasp93ZMZ6l6tImUAHG4czFTKD00YbBfmotbPDuIcN8ZpwySp17J3GY  
nt: 86080

xqPMQ7Zfcl4ZVsiC566\_zd6torj4W81T6yUhcqKu8U8EnGL63E2R1gfm4ttS1PzKRckn5of2aBJasp93ZMZ6l6tImUAHG4czFTKD00YbBfmotbPDuIcN8ZpwySp17J3GYX2bvZug"  
eting Archive "flbdisy13MdT3L5cWOXA1\_coCn2BRksUUvarHJRRxjCEuPtWSQIEKN5dVz9UwhKcsOKZu8aqce93idixQsdk2MrP7-lZ-vSOZ0-Dy0h0XJoa\_jWd-y2EeBloBa0y2V5V0NR  
nt: 86081

disy13MdT3L5cWOXA1\_coCn2BRksUUvarHJRRxjCEuPtWSQIEKN5dVz9UwhKcsOKZu8aqce93idixQsdk2MrP7-lZ-vSOZ0-Dy0h0XJoa\_jWd-y2EeBloBa0y2V5V0NR5Zv34vQ"  
eting Archive "I5EpNPwP2pv7M06knMTdx5\_INR-Gy-d4lty\_g9TgN3d2EE6SKIxWpknjlsbT6Pw2Iie3a\_ML3UMR3l0Smx5HazBcSfJE0i-M\_p4axa1T144bQ1ZjA-J5gA7Q1bzsEHDfCFs  
nt: 86082

EpNPwP2pv7M06knMTdx5\_INR-Gy-d4lty\_g9TgN3d2EE6SKIxWpknjlsbT6Pw2Iie3a\_ML3UMR3l0Smx5HazBcSfJE0i-M\_p4axa1T144bQ1ZjA-J5gA7Q1bzsEHDfCFsXkYhDrg"  
eting Archive "c4i5G5BXIwFRwMefgiNmYIIMGbvTzMSMwP6y\_qiZ1BdWP0p7LYF9BE760PrFTkjYglqVEEBh4WIZsElI2bRKcfZtjjKV1dfnEWtUaMIOAq-\_w-weGJ-YaW1XLtuZ\_onxFGv  
nt: 86083

i5G5BXIwFRwMefgiNmYIIMGbvTzMSMwP6y\_qiZ1BdWP0p7LYF9BE760PrFTkjYglqVEEBh4WIZsElI2bRKcfZtjjKV1dfnEWtUaMIOAq-\_w-weGJ-YaW1XLtuZ\_onxFGyvkvx-mow"  
eting Archive "EYRrWvd0raMIMhx-rklrz-FnAXmOk4vmsta4fPXSKDgmOHKD5XANM1S6CVus8vwo0yhF5lYGeuzTJuwDM6VbddsGe2ktCbvemF90ePZx8NMqBoZmW2XD5LjpD-945vFaXwJ  
nt: 86084

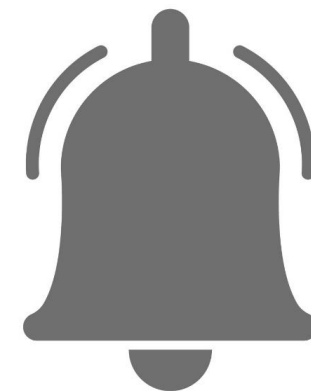
RrWvd0raMIMhx-rklrz-FnAXmOk4vmsta4fPXSKDgmOHKD5XANM1S6CVus8vwo0yhF5lYGeuzTJuwDM6VbddsGe2ktCbvemF90ePZx8NMqBoZmW2XD5LjpD-945vFaXwJ7hFdwUQ"

tmp>\_

Completion of the Batch Program



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# Amazon S3 Glacier Vaults

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