

How to create S3 Bucket with the help of aws-cli

Firstly, Need instance with Access Key & Secret access key and need to attach IAM role to that instance.

1. Attach S3 full access role to the instance.

IAM > Roles > Jarvis-cli-role

Jarvis-cli-role Delete

Allows EC2 instances to call AWS services on your behalf.

Summary Edit

Creation date April 20, 2022, 11:24 (UTC+05:30)	ARN arn:aws:iam:829912339674:role/Jarvis-cli-role	Instance profile ARN arn:aws:iam:829912339674:instance-profile/Jarvis-cli-role
Last activity None	Maximum session duration 1 hour	

Permissions | Trust relationships | Tags | Access Advisor | Revoke sessions

Permissions policies (3)
You can attach up to 10 managed policies.

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<input type="checkbox"/>	Policy name ↗	Type	Description
<input type="checkbox"/>	AmazonEC2FullAccess	AWS managed	Provides full access to Amazon EC2 via the AWS Management Console.
<input type="checkbox"/>	IAMFullAccess	AWS managed	Provides full access to IAM via the AWS Management Console.
<input type="checkbox"/>	AmazonS3FullAccess	AWS managed	Provides full access to all buckets via the AWS Management Console.

Aws configure → with access keys

```
root@ip-172-31-0-18:~# aws configure
AWS Access Key ID [None]: AKIA4C0VBKTNG4PNWEW6
AWS Secret Access Key [None]: VNjsNonUEh97vUFHTQ39D4Xcf69UC4Eoi9YIuGKl
Default region name [None]:
Default output format [None]:
root@ip-172-31-0-18:~# aws s3 ls
root@ip-172-31-0-18:~#
```

Make bucket. → aws s3 mb s3://chetanbuck

```
root@ip-172-31-0-18:~# aws s3 mb s3://chetanbuck
make_bucket: chetanbuck
root@ip-172-31-0-18:~# aws s3 ls
2022-04-20 15:58:06 chetanbuck
root@ip-172-31-0-18:~#
```

Remove bucket → aws s3 rb s3://chetanbuck

```
root@ip-172-31-0-18:~# aws s3 rb s3://chetanbuck
remove_bucket: chetanbuck
root@ip-172-31-0-18:~# aws s3 ls
root@ip-172-31-0-18:~#
```

Added or Removed buckets

```
root@ip-172-31-0-18:~# aws s3 mb s3://chetanbuck
make_bucket: chetanbuck
root@ip-172-31-0-18:~# aws s3 ls
2022-04-20 15:58:06 chetanbuck
root@ip-172-31-0-18:~# aws s3 rb s3://chetanbuck
remove_bucket: chetanbuck
root@ip-172-31-0-18:~# aws s3 ls
root@ip-172-31-0-18:~#
```

Make another bucket

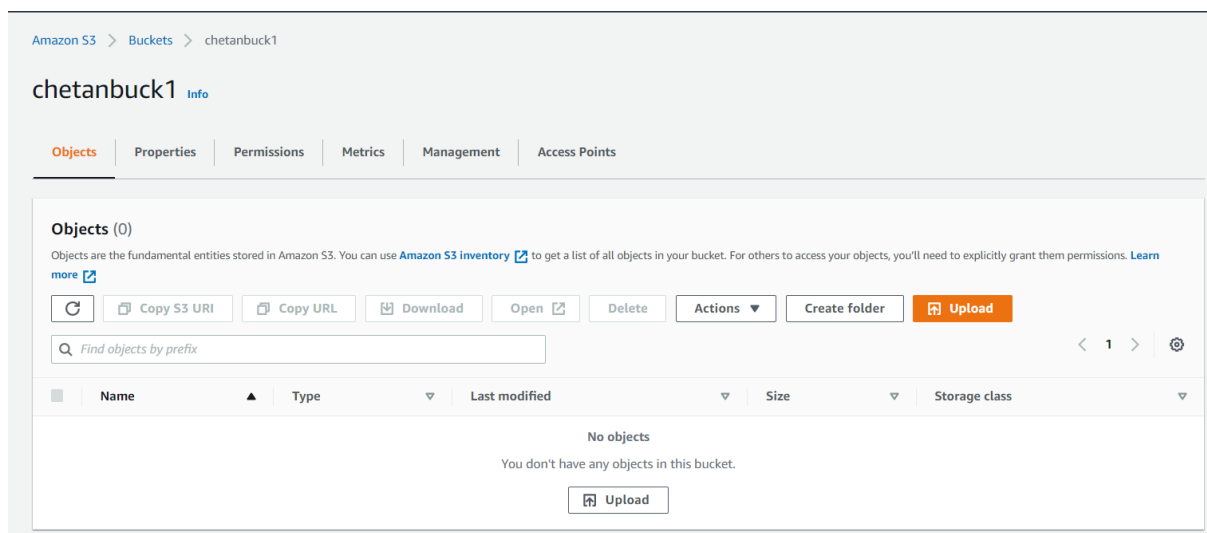
```
root@ip-172-31-0-18:~# aws s3 ls
2022-04-20 16:09:12 chetanbuck1
root@ip-172-31-0-18:~#
```

Now I will synchronize my folder to my created bucket

Firstly, I created folder in / named /Somkuwar & make 10 files after that I will put this all files in my s3 bucket with named chetanbuck1

```
root@ip-172-31-0-18:~# mkdir /somkuwar
root@ip-172-31-0-18:~# touch /somkuwar/chetan{1..10}
root@ip-172-31-0-18:~# ls /somkuwar/
chetan1  chetan2  chetan4  chetan6  chetan8
chetan10 chetan3  chetan5  chetan7  chetan9
root@ip-172-31-0-18:~#
```

My bucket is empty



Synchronize my folder → my created bucket {put files into bucket}

aws s3 sync /somkuwar s3://chetanbuck1

```
root@ip-172-31-0-18:/somkuwar# aws s3 sync /somkuwar s3://chetanbuck1
upload: ./chetan1 to s3://chetanbuck1/chetan1
upload: ./chetan9 to s3://chetanbuck1/chetan9
upload: ./chetan6 to s3://chetanbuck1/chetan6
upload: ./chetan3 to s3://chetanbuck1/chetan3
upload: ./chetan5 to s3://chetanbuck1/chetan5
upload: ./chetan7 to s3://chetanbuck1/chetan7
upload: ./chetan10 to s3://chetanbuck1/chetan10
upload: ./chetan8 to s3://chetanbuck1/chetan8
upload: ./chetan4 to s3://chetanbuck1/chetan4
upload: ./chetan2 to s3://chetanbuck1/chetan2
root@ip-172-31-0-18:/somkuwar#
```

My files successfully uploaded in s3 bucket

Amazon S3 > Buckets > chetanbuck1

chetanbuck1 [Info](#)

[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

Objects (10)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)


<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	chetan1	-	April 20, 2022, 21:50:49 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan10	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan2	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan3	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan4	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan5	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan6	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan7	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan8	-	April 20, 2022, 21:50:50 (UTC+05:30)	0 B	Standard
<input type="checkbox"/>	chetan9	-	April 20, 2022, 21:50:49 (UTC+05:30)	0 B	Standard

I deleted my all files

```
root@ip-172-31-0-18:/somkuwar# ls
chetan1  chetan2  chetan4  chetan6  chetan8
chetan10 chetan3  chetan5  chetan7  chetan9
root@ip-172-31-0-18:/somkuwar# rm -rfv *
removed 'chetan1'
removed 'chetan10'
removed 'chetan2'
removed 'chetan3'
removed 'chetan4'
removed 'chetan5'
removed 'chetan6'
removed 'chetan7'
removed 'chetan8'
removed 'chetan9'
root@ip-172-31-0-18:/somkuwar# ls
root@ip-172-31-0-18:/somkuwar#
```

And now, I get my files from s3 bucket → /Somkuwar dir

Synchronize my folder → my created bucket {get files into bucket}

A terminal window with a dark background and light text. The title bar shows a home icon, a yellow location pin icon, and the text '2. 3.239.106.137 (ubuntu)'. The terminal content shows a series of commands and their outputs. The first command is 'aws s3 sync s3://chetanbuck1 /somkuwar', which results in ten 'download' messages for files named chetan1 through chetan10. The second command is 'ls', which lists the files in two rows: chetan1, chetan2, chetan4, chetan6, chetan8 on the first row, and chetan10, chetan3, chetan5, chetan7, chetan9 on the second row. The prompt 'root@ip-172-31-0-18:/somkuwar#' is visible at the end of each command line.

```
root@ip-172-31-0-18:/somkuwar# aws s3 sync s3://chetanbuck1 /somkuwar
download: s3://chetanbuck1/chetan1 to ./chetan1
download: s3://chetanbuck1/chetan7 to ./chetan7
download: s3://chetanbuck1/chetan4 to ./chetan4
download: s3://chetanbuck1/chetan5 to ./chetan5
download: s3://chetanbuck1/chetan2 to ./chetan2
download: s3://chetanbuck1/chetan10 to ./chetan10
download: s3://chetanbuck1/chetan8 to ./chetan8
download: s3://chetanbuck1/chetan9 to ./chetan9
download: s3://chetanbuck1/chetan3 to ./chetan3
download: s3://chetanbuck1/chetan6 to ./chetan6
root@ip-172-31-0-18:/somkuwar# ls
chetan1  chetan2  chetan4  chetan6  chetan8
chetan10 chetan3  chetan5  chetan7  chetan9
root@ip-172-31-0-18:/somkuwar#
```