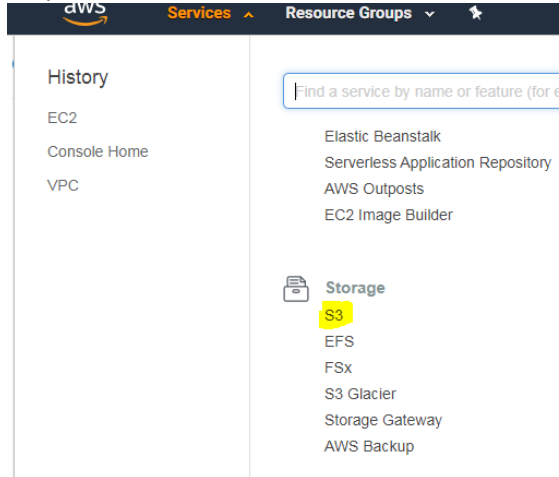


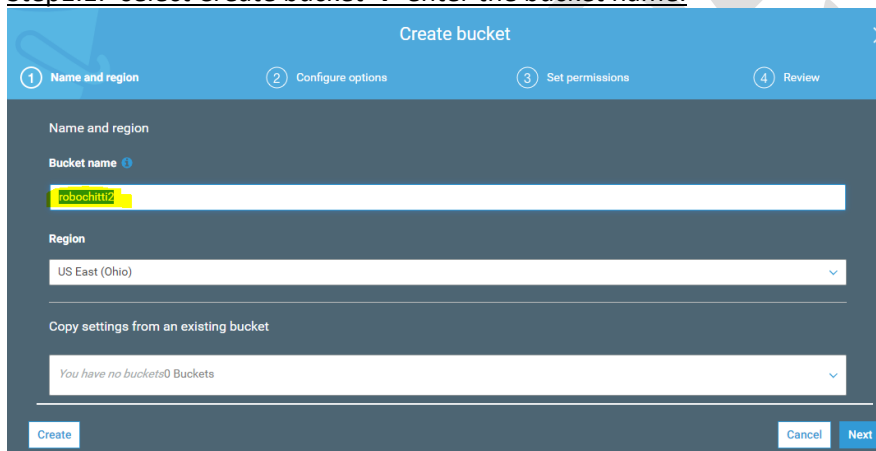
AWS-S3 bucket

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AmazonS3.html>

Step1:-Click on S3



Step1.1:- select Create bucket → enter the bucket name.



S3 buckets

Discover the console

Search for buckets

All access types

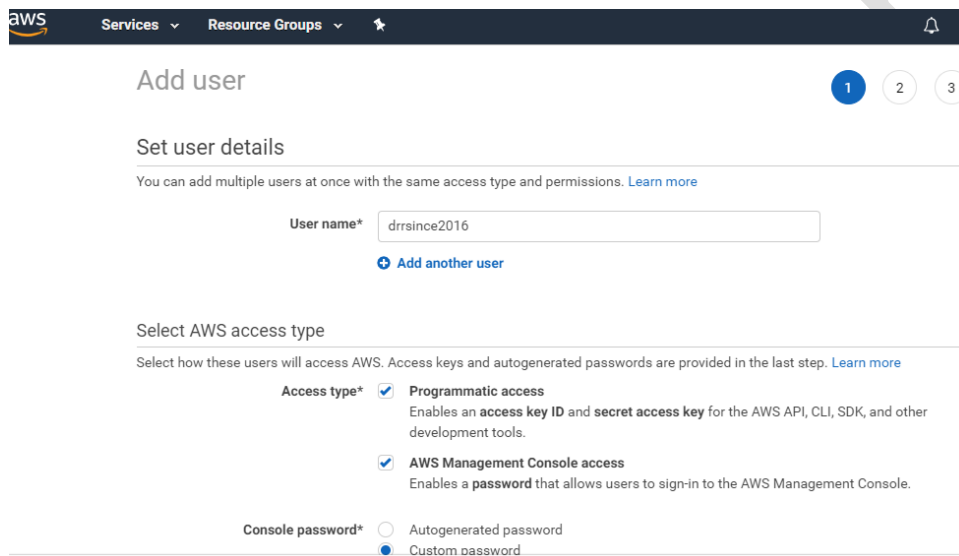
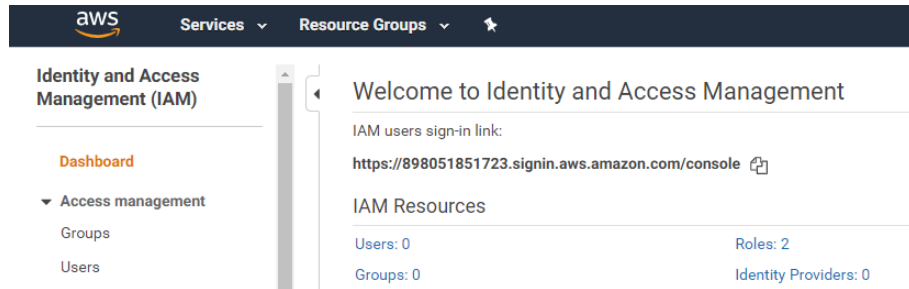
+ Create bucket Edit public access settings Empty Delete

1 Buckets 1 Regions

| <input type="checkbox"/> Bucket name | Access | Region | Date created |
|--------------------------------------|-------------------------------|----------------|-----------------------------------|
| <input type="checkbox"/> robchitti2 | Bucket and objects not public | US East (Ohio) | Feb 26, 2020 11:49:33 AM GMT+0530 |

Step2:-Add user in IAM and create secret access key for accessing s3 bucket.

@Click on users → select Add users → then select below options → click next select (Use a permissions boundary to control the maximum user permissions) → select AdministratorAccess



Add user

1 2 3 4 5

Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

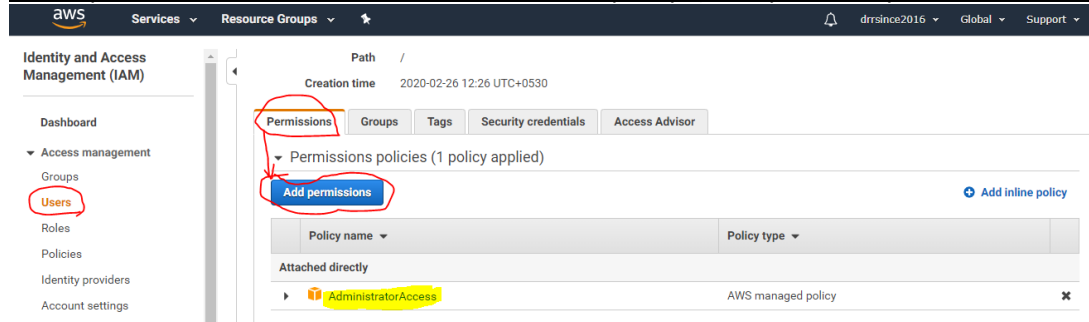
Users with AWS Management Console access can sign-in at: <https://898051851723.signin.aws.amazon.com/console>

Download .csv

| | User | Access key ID | Secret access key | Email login instructions |
|---|----------------|----------------------|--|----------------------------|
| ▶ | ✓ drrsince2016 | AKIA5CGAPYXFQ5XUPEPB | qNoLA+Jw2yWt07MI9Gq20 ZuvX+8y2sDBuNIBWEGI Hide | Send email |

Note:- download the generated key, which is in .csv format.

@Add permission and select Administrator access policy. (its depends on your env, select the policy)



Step3:- go to the instance and configure the secret key and then copy the data to S3 bucket.

#yum install awscli*

#aws configure

```
[root@ip-172-31-14-3 ~]# aws configure
AWS Access Key ID [None]: XXXXXXXXXX
AWS Secret Access Key [None]: XXXXXXXXXX
Default region name [None]: us-east-2
Default output format [None]: json
[root@ip-172-31-14-3 ~]#
```

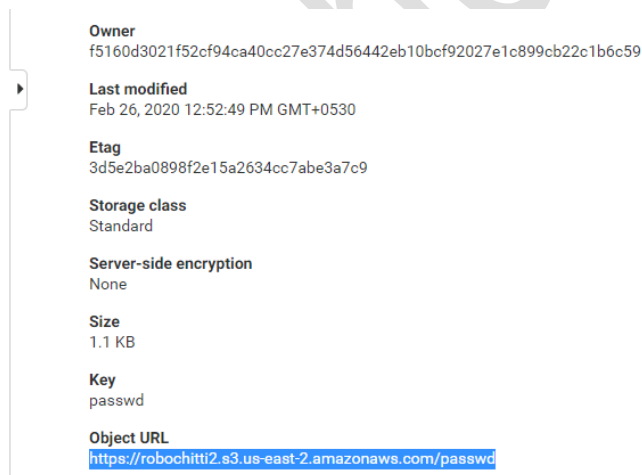
Note:- enter your own keys and region.

#aws s3 mb s3://robochitti2

#aws s3 cp /etc/passwd s3://robochitti2

```
[root@ip-172-31-14-3 home]# aws s3 cp /etc/passwd s3://robochitti2
upload: ../etc/passwd to s3://robochitti2/passwd
[root@ip-172-31-14-3 home]#
```

<https://robochitti2.s3.us-east-2.amazonaws.com/passwd>



Note:- you can access the file from outside web also you can access via cli without mounting on OS.

aws s3 ls s3://robochitti2

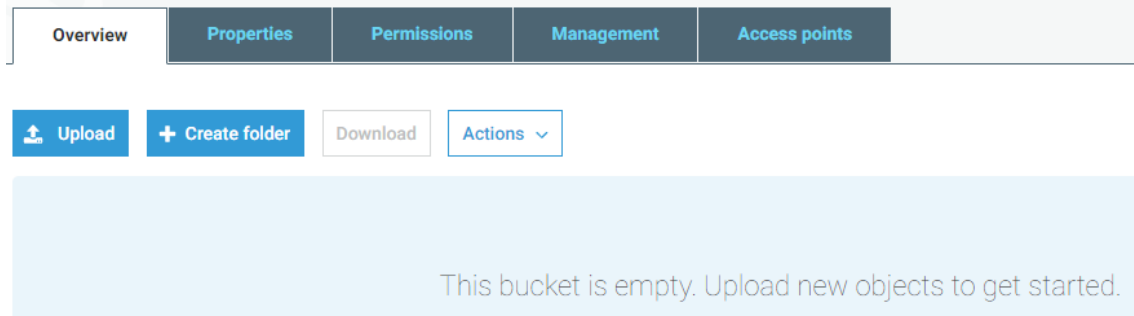
```
[root@ip-172-31-14-3 ~]# aws s3 ls s3://robochitti2
2020-02-26 07:22:49      1087 passwd
[root@ip-172-31-14-3 ~]#
```

@To delete the file in S3.

#aws s3 rm s3://robochitti2/passwd

```
[root@ip-172-31-14-3 ~]# aws s3 ls s3://robochitti2
2020-02-26 07:22:49      1087 passwd
[root@ip-172-31-14-3 ~]# aws s3 rm s3://robochitti2/passwd
delete: s3://robochitti2/passwd
[root@ip-172-31-14-3 ~]# aws s3 ls s3://robochitti2
[root@ip-172-31-14-3 ~]#
```

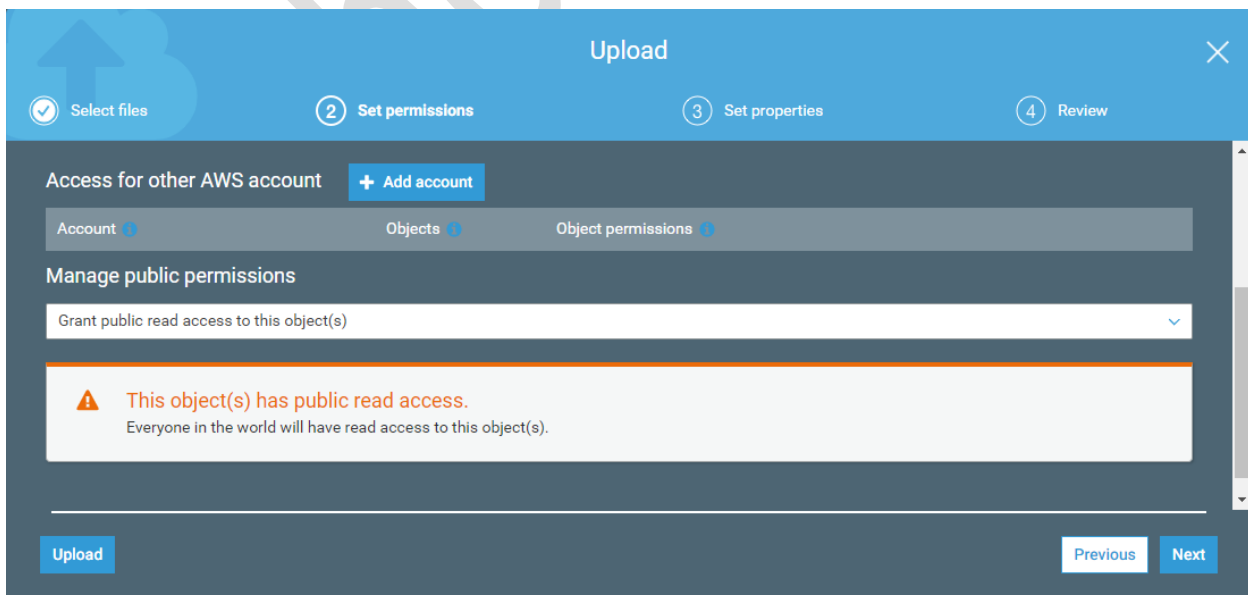
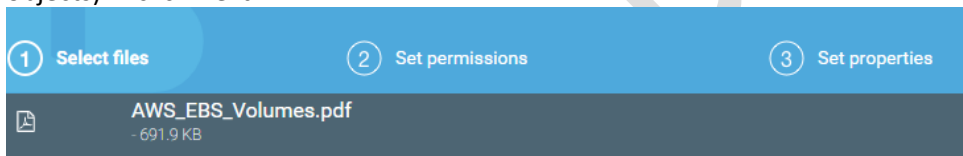
robochitti2



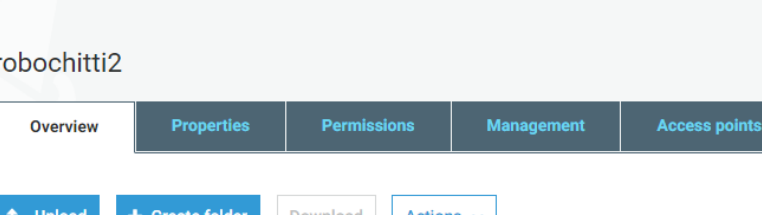
@bucket is empty now.

Step3.1:- lets upload file via GUI and try to download from linux CLI.

Click upload → Add files → select file from your local system → select (Grant public read access to this objects) → click Next



@Go with default standard.



The screenshot shows the AWS S3 console interface. At the top, the breadcrumb navigation indicates the current location is 'Amazon S3' > 'robochitti2'. Below this, the bucket name 'robochitti2' is displayed. A horizontal menu contains five tabs: 'Overview' (selected), 'Properties', 'Permissions', 'Management', and 'Access points'. Below the tabs, there are four buttons: 'Upload' (with an upload icon), 'Create folder' (with a plus icon), 'Download', and 'Actions' (with a dropdown arrow). The main content area is a light blue rectangle with the text 'This bucket is empty. Upload new objects to'. At the bottom of the screenshot, a black status bar shows upload progress: 'Upload (67.3 KB/s)' on the left, a blue progress bar at '30.06% Successful' in the center, and 'Uploading file: AWS_EBS_Volumes.pdf' on the right.

Owner
f5160d3021f52cf94ca40cc27e374d56442eb10bcf92027e1c899cb22c1b6c59

Etag
62062ee06303168cb72ec976974390e9

Server-side encryption
None

Key
AWS_EBS_Volumes.pdf

Object URL
https://robochitti2.s3.us-east-2.amazonaws.com/AWS_EBS_Volumes.pdf

```
# aws s3 ls s3://robochitti2
```

```
[root@ip-172-31-14-3 ~]# aws s3 ls s3://robochitti2
2020-02-26 07:56:54      708469 AWS_EBS_Volumes.pdf
[root@ip-172-31-14-3 ~]#
```

```
# wget https://robochitti2.s3.us-east-2.amazonaws.com/AWS_EBS_Volumes.pdf.
```

```
[root@ip-172-31-14-3 ~]# ls -lrt
total 708
-rw----- 1 root root 6577 Jan 28 2019 original-ks.cfg
-rw----- 1 root root 6921 Jan 28 2019 anaconda-ks.cfg
-rw-r--r-- 1 root root 708469 Feb 26 07:56 AWS_EBS_Volumes.pdf
[root@ip-172-31-14-3 ~]#
```

@To Sync entire folder with S3 bucket.

```
#mkdir ebs
```

```
#cd ebs
```

```
# cp /etc/p* .
```

```
# ls -lrt
```

```
[root@ip-172-31-14-3 ebs]# ls -lrt
total 24
-rw-r--r-- 1 root root 1087 Feb 26 08:13 passwd
-rw-r--r-- 1 root root 1087 Feb 26 08:13 passwd-
-rw-r--r-- 1 root root 233 Feb 26 08:13 printcap
-rw-r--r-- 1 root root 1819 Feb 26 08:13 profile
-rw-r--r-- 1 root root 6545 Feb 26 08:13 protocols
[root@ip-172-31-14-3 ebs]#
```

:-To sync remote folder to local.

```
#aws s3 sync s3://robochitti2 /root/ebs/
```

```
[root@ip-172-31-14-3 ebs]# aws s3 sync s3://robochitti2 /root/ebs/
download: s3://robochitti2/AWS_EBS_Volumes.pdf to ./AWS_EBS_Volumes.pdf
[root@ip-172-31-14-3 ebs]# ls -lrt
total 716
-rw-r--r-- 1 root root 708469 Feb 26 07:56 AWS_EBS_Volumes.pdf
-rw-r--r-- 1 root root 1087 Feb 26 08:13 passwd
-rw-r--r-- 1 root root 1087 Feb 26 08:13 passwd-
-rw-r--r-- 1 root root 233 Feb 26 08:13 printcap
-rw-r--r-- 1 root root 1819 Feb 26 08:13 profile
-rw-r--r-- 1 root root 6545 Feb 26 08:13 protocols
```

:-To sync local folder with remote.

```
# aws s3 sync /root/ebs/ s3://robochitti2
```

```
[root@ip-172-31-14-3 ebs]# aws s3 sync /root/ebs/ s3://robochitti2
upload: ./passwd to s3://robochitti2/passwd
upload: ./passwd- to s3://robochitti2/passwd-
upload: ./printcap to s3://robochitti2/printcap
upload: ./profile to s3://robochitti2/profile
upload: ./protocols to s3://robochitti2/protocols
[root@ip-172-31-14-3 ebs]#
```

```
# aws s3 ls s3://robochitti2
```

```
[root@ip-172-31-14-3 ebs]# aws s3 ls s3://robochitti2
2020-02-26 07:56:54      708469 AWS_EBS_Volumes.pdf
2020-02-26 08:18:04      1087 passwd
2020-02-26 08:18:04      1087 passwd-
2020-02-26 08:18:04      233 printcap
2020-02-26 08:18:04      1819 profile
2020-02-26 08:18:04      6545 protocols
[root@ip-172-31-14-3 ebs]#
```

Note:-you can use S3 for backup also.