

## Mounting S3 bucket with ec2 instance

### Steps:-

- 1) Create an IAM user with S3fullaccess, EC2fullaccess
- 2) Generate access key and secret key
- 3) Copy access key and secret key on notepad
- 4) Now launch an ec2 instance with full traffic in security group
- 5) Now connect to ec2 instance
- 6) Write **sudo -i** to switch to root user

```

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  _  |  (  _  /   Amazon Linux 2 AMI
  _  | \ _  |  _  |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-42-158 ~]$ sudo -i
[root@ip-172-31-42-158 ~]#
```

- 7) Now install amazon linux extras packages using  
**amazon-linux-extras install epel -y** command

```
[root@ip-172-31-42-158 ~]# amazon-linux-extras install epel -y
```

- 8) Now install file-system to mount s3 using  
**yum install s3fs-fuse -y** command


```
[root@ip-172-31-42-158 ~]# yum install s3fs-fuse -y
```

- 9) Now override access key and private key in \${HOME}/ give nay name to that file like  
**echo AKIA6CY4D3GKBYTZZYKO:u6KYbzGkyXDDhXG33oBQS0d2kgtvI06CCgsKU6I3**  
**>\${HOME}/.vishalpassword**

```
[root@ip-172-31-42-158 ~]# echo AKIA6CY4D3GKBYTZZYKO:u6KYbzGkyXDDhXG33oBQS0d2kgtvI06CCgsKU6I3 >${HOME}/.vishalpassword
```

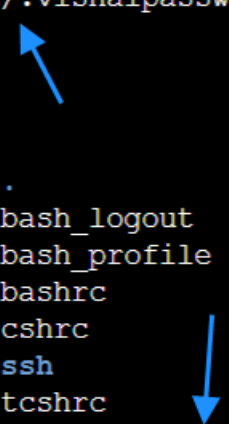
- 10) **ls -la /root/** to show overridden file

```
[root@ip-172-31-42-158 ~]# ls -la /root/
total 24
dr-xr-x---  3 root root 126 Mar  2 16:23 .
dr-xr-xr-x 18 root root 257 Mar  2 15:46 ..
-rw-r--r--  1 root root  18 Oct 18  2017 .bash_logout
-rw-r--r--  1 root root 176 Oct 18  2017 .bash_profile
-rw-r--r--  1 root root 176 Oct 18  2017 .bashrc
-rw-r--r--  1 root root 100 Oct 18  2017 .cshrc
drwx-----  2 root root  29 Mar  2 15:46 .ssh
-rw-r--r--  1 root root 129 Oct 18  2017 .tcshrc
-rw-r--r--  1 root root  62 Mar  2 16:23 .vishalpassword
```



- 11) Now change permission of that file to 600 using below command  
**chmod 600 /root/.vishalpassword**

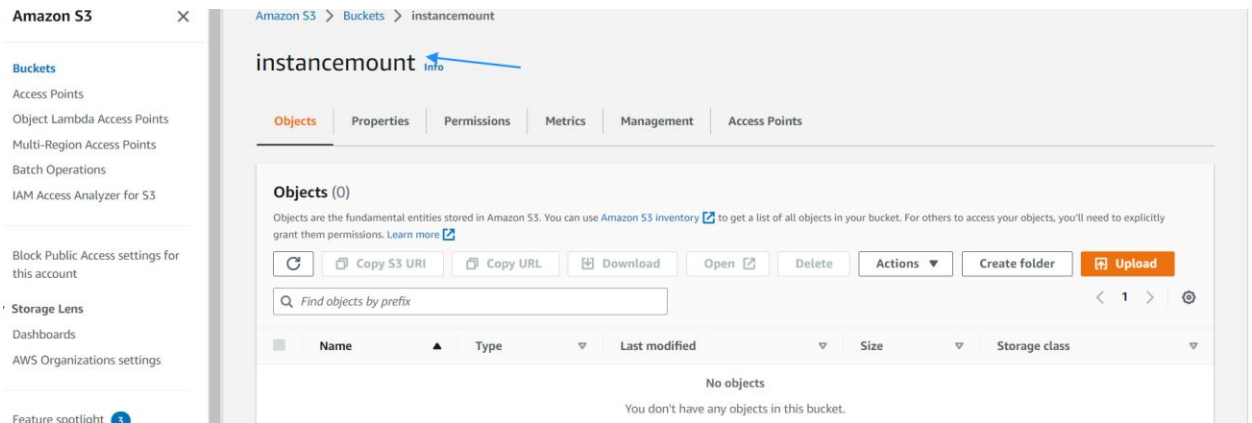
```
[root@ip-172-31-42-158 ~]# chmod 600 /root/.vishalpassword
[root@ip-172-31-42-158 ~]# ^C
[root@ip-172-31-42-158 ~]# ls -la /root/
total 24
dr-xr-x---  3 root root 126 Mar  2 16:23 .
dr-xr-xr-x 18 root root 257 Mar  2 15:46 ..
-rw-r--r--  1 root root  18 Oct 18  2017 .bash_logout
-rw-r--r--  1 root root 176 Oct 18  2017 .bash_profile
-rw-r--r--  1 root root 176 Oct 18  2017 .bashrc
-rw-r--r--  1 root root 100 Oct 18  2017 .cshrc
drwx-----  2 root root  29 Mar  2 15:46 .ssh
-rw-r--r--  1 root root 129 Oct 18  2017 .tcshrc
-rw-----  1 root root  62 Mar  2 16:23 .vishalpassword
```



- 12) Now make directory to mount with s3 bucket  
**mkdir mountbucket**

```
[root@ip-172-31-42-158 ~]# mkdir mountbucket
```

- 13) now create S3 bucket from console



14) now make file system of that bucket using below command

**s3fs instancemount mountbucket -o passwd\_file=\${HOME}/.vishalpassword**

```
[root@ip-172-31-42-158 ~]# s3fs instancemount mountbucket -o passwd_file=${HOME}/.vishalpassword
```

15) now check bucket is mounted or not using

**mount | grep mountbucket**

```
[root@ip-172-31-42-158 ~]# mount | grep mountbucket
s3fs on /root/mountbucket type fuse.s3fs (rw,nosuid,nodev,relatime,user_id=0,group_id=0)
```

16) change directory to mountbucket

**cd mountbucket**

```
[root@ip-172-31-42-158 ~]# cd mountbucket
[root@ip-172-31-42-158 mountbucket]#
```

17) now create some files it will reflect in s3 bucket in console

**touch file{1..10}**

```
[root@ip-172-31-42-158 mountbucket]# touch file{1..10}
```

18) check in bucket of s3 console 10 files will be created...

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

AWS Marketplace for S3

Amazon S3 > Buckets > instancemount

instancemount

ObjectsPropertiesPermissionsMetricsManagementAccess Points

Objects (11)

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 grant them permissions. [Learn more](#)

RefreshCopy S3 URICopy URLOpenDownloadDeleteActionsCreate folder

Find objects by prefix

	Name	Type	Last modified	Size	St
<input type="checkbox"/>	.fuse_hidden0000005100000001	fuse_hidden0000005100000001	March 2, 2023, 22:06:04 (UTC+05:30)	0 B	St
<input type="checkbox"/>	file1	-	March 2, 2023, 22:07:03 (UTC+05:30)	0 B	St
<input type="checkbox"/>	file10	-	March 2, 2023, 22:07:20 (UTC+05:30)	0 B	St
<input type="checkbox"/>	file2	-	March 2, 2023, 22:07:05 (UTC+05:30)	0 B	St
<input type="checkbox"/>	file3	-	March 2, 2023, 22:07:07 (UTC+05:30)	0 B	St
<input type="checkbox"/>	file4	-	March 2, 2023, 22:07:09 (UTC+05:30)	0 B	St

