Doubt Resolving

ASSIGNMENT

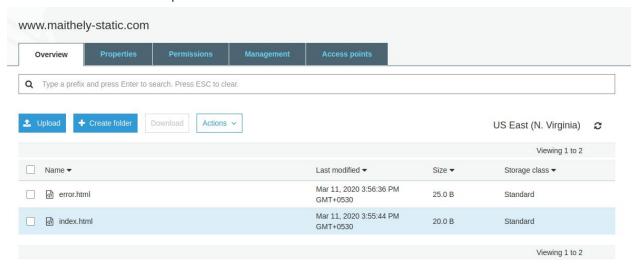


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EmployeeID -

1. Static website hosting using s3(what is index and error page). Firsty created two files: i) index.html, ii)error.html

Now create a bucket and upload two files created above



In properties select static hosting and enter the file names

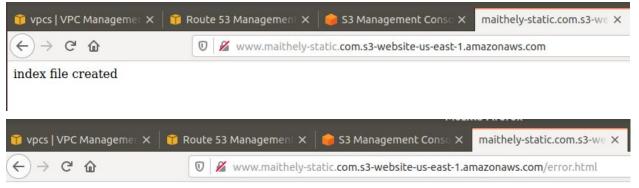
Static website hosting Endpoint: http://www.maithely-static.com.s3-website-useast-1.amazonaws.com Use this bucket to host a website 1 Learn more Index document (1) index.html Error document (1) error.html Redirection rules (optional) 6 Redirect requests 1 Learn more Disable website hosting Then save and again open dynamic hosting and you select the link Static website hosting

Endpoint: http://www.maithely-static.com.s3-website-useast-1.amazonaws.com

Use this bucket to host a website 1 Learn more

Index document ()

You can see the outputs as



2. Create an assume role to access s3 using ec2.

Create a Role with full access to S3

Create role

Select type of trusted entity



Allows AWS services to perform actions on your behalf. Learn more

Choose a use case

Common use cases

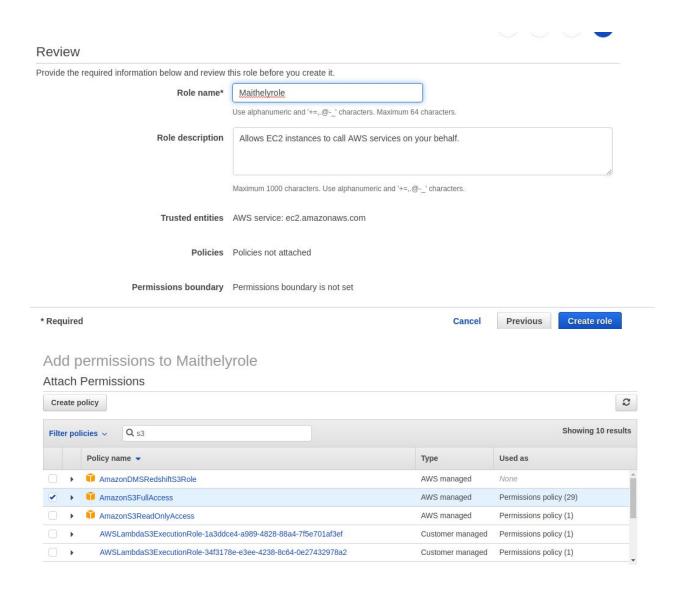
EC2

Allows EC2 instances to call AWS services on your behalf.

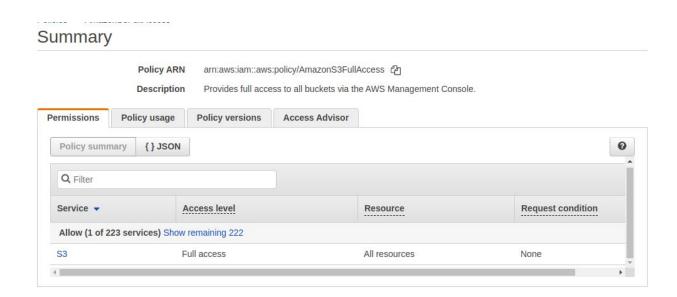
Lambda

Allows Lambda functions to call AWS services on your behalf.

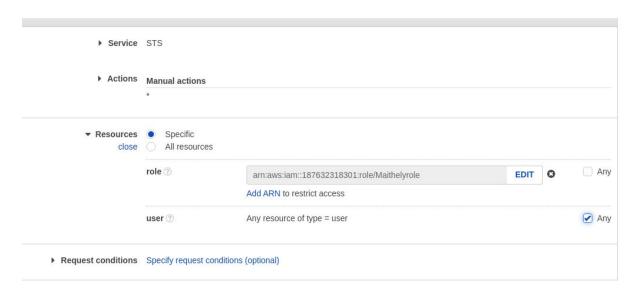
Or select a service to view its use cases



Attach policy



Create another role as Maithelyrole1 and attach policy of sts service to it



Now attach this policy to the new role created

Attach policy

Attach the policy to users, groups, or roles in your account



Now you can see that assume role attached



Now create an ec2 instance and attach to the newrole created i.e Maithelyrole1

Instances > Attach/Replace IAM Role

Attach/Replace IAM Role

Select an IAM role to attach to your instance. If you don't have any IAM roles, choose Create new IAM role to create a role in the IAM console. If an IAM role is already attached to your instance, the IAM role you choose will replace the existing role.



* Required

Now add the arn of new role i.e maithelyrole1 to old role i.e maithelyrole in trust relationship

Edit Trust Relationship

You can customize trust relationships by editing the following access control policy document.

Policy Document

Now you have to ssh to the instance created and update it. Also install aws cli

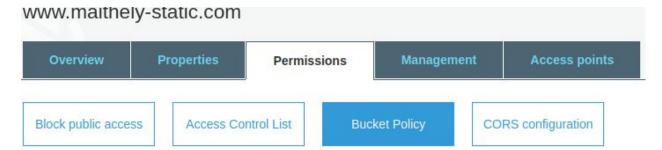
```
maithely@maithely:~$ ssh -i "maithelykeypair.pem" ubuntu@ec2-52-207-215-48.compute-1.amazonaws.com
Warning: Identity file maithelykeypair.pem not accessible: No such file or directory.
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-1057-aws x86_64)
 * Documentation: https://help.ubuntu.com
                    https://landscape.canonical.com
 * Management:
 * Support:
                    https://ubuntu.com/advantage
  System information as of Fri Feb 28 10:51:26 UTC 2020
  System load: 0.08
                                    Processes:
  Usage of /: 16.5% of 7.69GB Users logged in:
                                                          0
  Memory usage: 17%
                                    IP address for eth0: 172.31.104.188
  Swap usage: 0%
54 packages can be updated.
32 updates are security updates.
Last login: Fri Feb 28 06:46:24 2020 from 182.71.160.186
ubuntu@ip-172-31-104-188:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/main amd64 Packages [871 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-updates/universe amd64 Packages [1054 kB
Fetched 2177 kB in 1s (2789 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
51 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-104-188:~$ sudo apt install awscli
Reading package lists... Done
```

3. Block s3 access on the basis of

i. IP

Now write this in bucket policy

```
182.71.160.186maithely@maithely:~$ curl ifconfig.me 61.12.91.218maithely@maithely:~$
```



Bucket policy editor ARN: arn:aws:s3:::www.maithely-static.com

Type to add a new policy or edit an existing policy in the text area below.

ii. Domain

Bucket policy editor ARN: arn:aws:s3:::maithelybucket

Type to add a new policy or edit an existing policy in the text area below.

```
"Version": "2012-10-17",
         "Id": "S3PolicyId1",
         "Statement": [
                 "Sid": "IPAllow",
                 "Effect": "Deny",
                 "Principal": "*'
                  "Action": "s3:*",
10
                  "Resource": "arn:aws:s3:::maithelybucket/*",
                  "Condition": {
                     "StringLike": {
                          "aws:referer": [
                              "https://www.maithely.com/*",
                              "https://maithely.com/*"
17
                     }
18
             }
19
20
         ]
    }
```

iii. Pre-signed URL(Time based)

```
maithely@maithely:~$ aws s3 presign s3://www.maithely-static.com/error
.html --expires-in 120
https://s3.amazonaws.com/www.maithely-static.com/error.html?AWSAccessK
eyId=AKIASXL6B650XQF0JAKS&Signature=yVuY2kVkpsEhSHM0nMewy3hJvm0%3D&Exp
ires=1583999311
maithely@maithely:~$ [
```

4 7

C

s3.amazonaws.com/www.maithely-static.com/error.html?AWSAccessKeyId=AKIASXL6B65OXQFOJAKS8

ERRROORRRRRRRRRRRRRRRRRRRRR

4. Create RDS subnet and launch RDS instance. what is parameter group and option group?

• Parameter group: You manage your DB engine configuration by associating your DB instances with parameter groups. Amazon RDS defines parameter groups with default settings that apply to newly created DB instances. You can define your own parameter groups with customized settings. Then you can modify your DB instances to use your own parameter groups.

A DB parameter group acts as a container for engine configuration values that are applied to one or more DB instances.

If you create a DB instance without specifying a DB parameter group, the DB instance uses a default DB parameter group. Each default DB parameter group contains database engine defaults and Amazon RDS system defaults based on the engine, compute class, and allocated storage of the instance. You can't modify the parameter settings of a default parameter group. Instead, you create your own parameter group where you choose your own parameter settings. Not all DB engine parameters can be changed in a parameter group that you create.

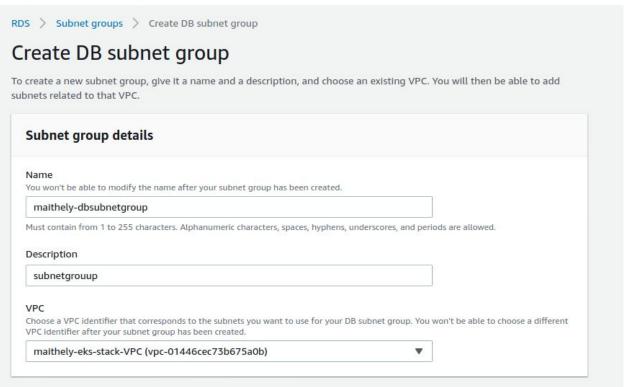
If you want to use your own parameter group, you create a new parameter group and modify the parameters that you want to. You then modify your DB instance to use the new parameter group. If you update parameters within a DB parameter group, the changes apply to all DB instances that are associated with that parameter group.

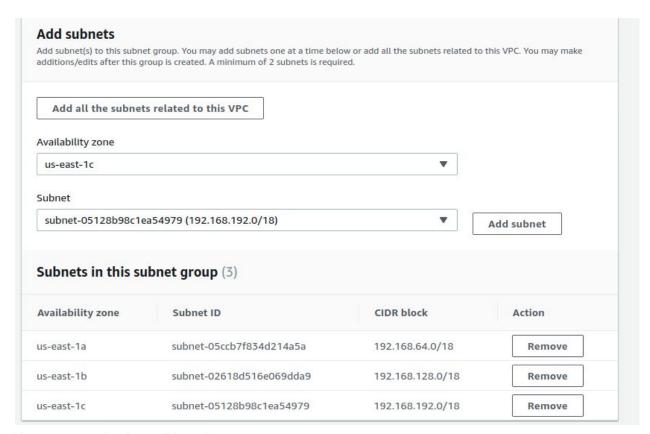
Option group: Some DB engines offer additional features that make it easier to manage data and databases, and to provide additional security for your database. Amazon RDS uses option groups to enable and configure these features. An option group can specify features, called options, that are available for a particular Amazon RDS DB instance. Options can have settings that specify how the option works. When you associate a DB instance with an option group, the specified options and option settings are enabled for that DB instance.

Amazon RDS supports options for the following database engines:

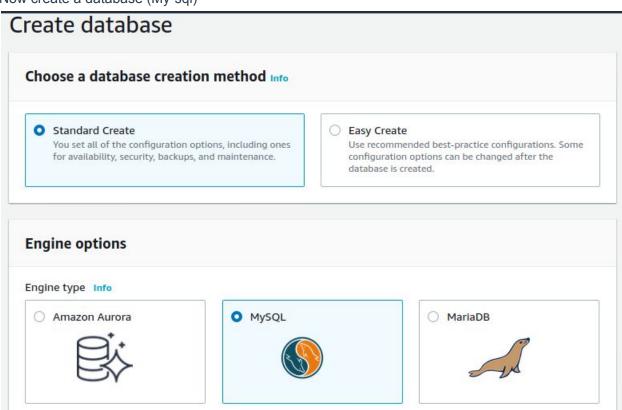
Database Engine	Relevant Documentation
MariaDB	Options for MariaDB Database Engine
Microsoft SQL Server	Options for the Microsoft SQL Server Database Engine
MySQL	Options for MySQL DB Instances
Oracle	Options for Oracle DB Instances

Firstly create a subnet group under RDS service





Now create a database (My-sql)



_						
S	0	•	•	1	~	c
	c	L	L		u	Э



Type a name for your DB instance. The name must be unique cross all DB instances owned by your AWS account in the current AWS Region.

database-2-maithely

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens (1 to 15 for SQL Server). First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

▼ Credentials Settings

Master username Info

Type a login ID for the master user of your DB instance.

admin

1 to 16 alphanumeric characters. First character must be a letter

Auto generate a password

Amazon RDS can generate a password for you, or you can specify your own password

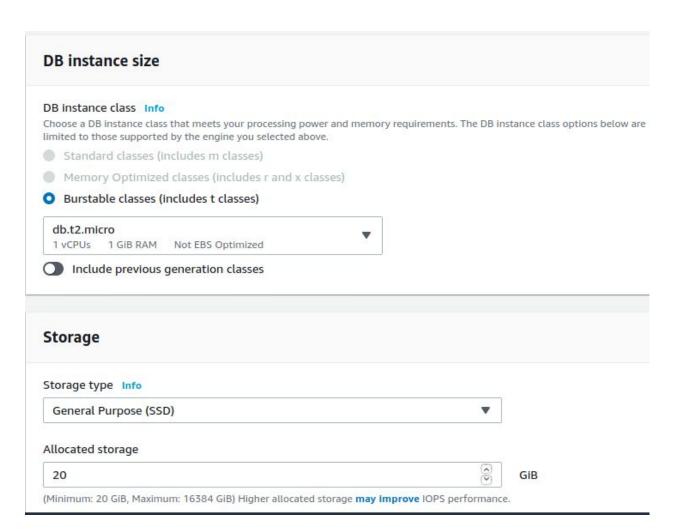
Master password Info

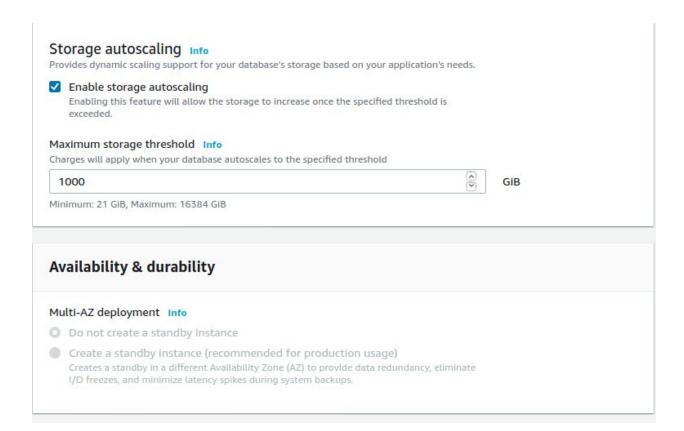
.....

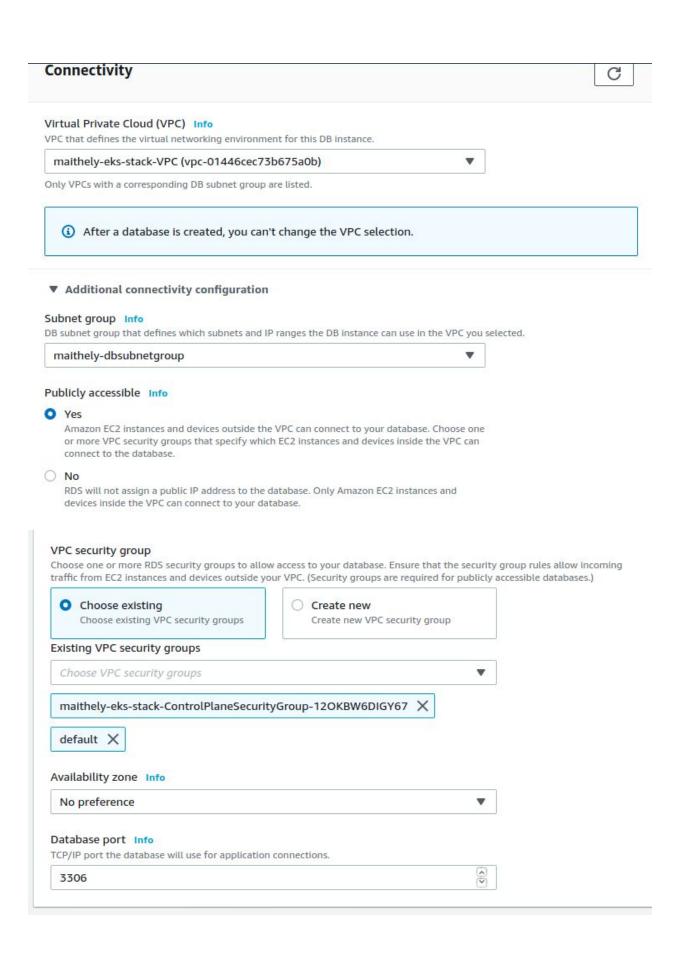
Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), "(double quote) and @ (at sign).

Confirm password Info

.....







Database authentication

Database authentication options Info

Password authentication

Authenticates using database passwords.

Password and IAM database authentication

Authenticates using the database password and user credentials through AWS IAM users and

Additional configuration

Database options, backup enabled, backtrack disabled, Enhanced Monitoring disabled, maintenance, CloudWatch Logs, delete protection disabled

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:

- 750 hrs of Amazon RDS in a Single-AZ db.t2.micro Instance.
- · 20 GB of General Purpose Storage (SSD).
- · 20 GB for automated backup storage and any user-initiated DB Snapshots.

5. ACL, Bucket policy, IAM Policy.

Amazon S3 access control lists (ACLs) enable you to manage access to buckets and objects. Each bucket and object has an ACL attached to it as a subresource. It defines which AWS accounts or groups are granted access and the type of access. When a request is received against a resource, Amazon S3 checks the corresponding ACL to verify that the requester has the necessary access permissions.

When you create a bucket or an object, Amazon S3 creates a default ACL that grants the resource owner full control over the resource.

A grantee can be an AWS account or one of the predefined Amazon S3 groups. You grant permission to an AWS account using the email address or the canonical user ID.

IAM policies specify what actions are allowed or denied on what AWS resources (e.g. allow ec2:TerminateInstance on the EC2 instance with instance id=i-8b3620ec). You attach IAM policies to IAM users, groups, or roles, which are then subject to the permissions you've defined. In other words, IAM policies define what a principal can do in your AWS environment.

S3 bucket policies, on the other hand, are attached only to S3 buckets. S3 bucket policies specify what actions are allowed or denied for which principals on the bucket that the bucket policy is attached to (e.g. allow user Alice to PUT but not DELETE objects in the bucket). S3 bucket policies are a type of access control list, or ACL (here I mean "ACL" in the generic sense, not to be confused with S3 ACLs, which is a separate S3 feature discussed later in this post).

6. Mount S3 to an EC2 instance.

```
ubuntu@ip-172-31-61-252:~$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic InR
elease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-upd
ates InRelease [88.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-bac
kports InRelease [74.6 kB]
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/uni
verse amd64 Packages [8570 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security InRelea
se [88.7 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/uni
verse Translation-en [4941 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/mul
tiverse amd64 Packages [151 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic/mul
tiverse Translation-en [108 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-upd
ates/main amd64 Packages [872 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-up
dates/main Translation-en [303 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-up
dates/restricted amd64 Packages [32.9 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu bionic-up
dates/restricted Translation-en [8468 B]
```

```
ubuntu@ip-172-31-61-252:~$ sudo apt-get install automake autoto
ols-dev fuse g++ git libcurl4-gnutls-dev libfuse-dev libssl-dev
libxml2-dev make pkg-config
Reading package lists... Done
Building dependency tree
Reading state information... Done
fuse is already the newest version (2.9.7-1ubuntu1).
fuse set to manually installed.
git is already the newest version (1:2.17.1-1ubuntu0.5).
git set to manually installed.
The following additional packages will be installed:
  autoconf binutils binutils-common binutils-x86-64-linux-anu
 build-essential cpp cpp-7 dpkg-dev fakeroot g++-7 gcc gcc-7
 gcc-7-base gcc-8-base gir1.2-harfbuzz-0.0 icu-devtools
 libalgorithm-diff-perl libalgorithm-diff-xs-perl
 libalgorithm-merge-perl libasan4 libatomic1 libbinutils
 libc-dev-bin libc6-dev libcc1-0 libcilkrts5 libdpkg-perl
 libfakeroot libfile-fcntllock-perl libgcc-7-dev libgcc1
 libglib2.0-bin libglib2.0-dev libglib2.0-dev-bin libgomp1
 libaranhita2.3 libaranhita2.day libbarfhuzz.day
```

```
ubuntu@ip-172-31-61-252:~$ git clone https://github.com/s3fs-fu
se/s3fs-fuse.git
Cloning into 's3fs-fuse'...
remote: Enumerating objects: 5879, done.
remote: Total 5879 (delta 0), reused 0 (delta 0), pack-reused 5
879
Receiving objects: 100% (5879/5879), 3.46 MiB | 24.13 MiB/s, do
ne.
Resolving deltas: 100% (4079/4079), done.
```

```
ubuntu@ip-172-31-61-252:~$ cd s3fs-fuse
ubuntu@ip-172-31-61-252:~/s3fs-fuse$ ./autogen.sh
--- Make commit hash file -----
--- Finished commit hash file ---
--- Start autotools ------
--- Finished autotools ------
ubuntu@ip-172-31-61-252:~/s3fs-fuse$ ./configure --prefix=/usr
--with-openssl
checking build system type... x86 64-pc-linux-gnu
checking host system type... x86 64-pc-linux-gnu
checking target system type... x86 64-pc-linux-gnu
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking whether make supports nested variables... yes
checking for g++... g++
ubuntu@ip-172-31-61-252:~/s3fs-fuse$ make
make all-recursive
make[1]: Entering directory '/home/ubuntu/s3fs-fuse'
Making all in src
make[2]: Entering directory '/home/ubuntu/s3fs-fuse/src'
q++ -DHAVE CONFIG H -I. -I.. -D FILE OFFSET BITS=64 -I/usr/inc
```

```
make all-recursive
make[1]: Entering directory '/home/ubuntu/s3fs-fuse'
Making all in src
make[2]: Entering directory '/home/ubuntu/s3fs-fuse/src'
g++ -DHAVE_CONFIG_H -I. -I.. -D_FILE_OFFSET_BITS=64 -I/usr/inc
lude/fuse -I/usr/include/x86_64-linux-gnu -I/usr/include/libxml
2    -g -02 -Wall -D_FILE_OFFSET_BITS=64 -D_FORTIFY_SOURCE=2 -M
T s3fs.o -MD -MP -MF .deps/s3fs.Tpo -c -o s3fs.o s3fs.cpp
mv -f .deps/s3fs.Tpo .deps/s3fs.Po
g++ -DHAVE_CONFIG_H -I. -I.. -D_FILE_OFFSET_BITS=64 -I/usr/inc
lude/fuse -I/usr/include/x86_64-linux-gnu -I/usr/include/libxml
2    -g -02 -Wall -D_FILE_OFFSET_BITS=64 -D_FORTIFY_SOURCE=2 -M
T curl.o -MD -MP -MF .deps/curl.Tpo -c -o curl.o curl.cpp
mv -f .deps/curl.Tpo .deps/curl.Po
g++ -DHAVE_CONFIG_H -I. -I.. -D_FILE_OFFSET_BITS=64 -I/usr/inc
lude/fuse -I/usr/include/x86_64-linux-gnu -I/usr/include/libxml
```

```
ubuntu@ip-172-31-61-252:~/s3fs-fuse$ sudo make install
Making install in src
make[1]: Entering directory '/home/ubuntu/s3fs-fuse/src'
make[2]: Entering directory '/home/ubuntu/s3fs-fuse/src'
/bin/mkdir -p '/usr/bin'
 /usr/bin/install -c s3fs '/usr/bin'
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/home/ubuntu/s3fs-fuse/src'
make[1]: Leaving directory '/home/ubuntu/s3fs-fuse/src'
Making install in test
make[1]: Entering directory '/home/ubuntu/s3fs-fuse/test'
make[2]: Entering directory '/home/ubuntu/s3fs-fuse/test'
make[2]: Nothing to be done for 'install-exec-am'.
make[2]: Nothing to be done for 'install-data-am'.
make[2]: Leaving directory '/home/ubuntu/s3fs-fuse/test'
make[1]: Leaving directory '/home/ubuntu/s3fs-fuse/test'
Making install in doc
```

Now for credential purposes install and configure awscli

```
ubuntu@ip-172-31-61-252:~$ sudo apt install awscli
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
 docutils-common libjbig0 libjpeg-turbo8 libjpeg8 liblcms2-2
 libpaper-utils libpaper1 libtiff5 libwebp6 libwebpdemux2
 libwebpmux3 python3-botocore python3-dateutil
  python3-docutils python3-jmespath python3-olefile
  python3-pil python3-pygments python3-roman python3-rsa
  python3-s3transfer sgml-base xml-core
Suggested packages:
  liblcms2-utils docutils-doc fonts-linuxlibertine
  | ttf-linux-libertine texlive-lang-french
  texlive-latex-base texlive-latex-recommended python-pil-doc
  nython3-nil-dha ttf-hitstream-yera saml-hase-doc debbelner
```

```
ubuntu@ip-172-31-61-252:~$ aws configure
AWS Access Key ID [None]: AKIASXL6B650XQF0JAKS
AWS Secret Access Key [None]: wDZf2P6wG5u735RLIcIbpWPioCz40Khsr
Bisy8XW
Default region name [None]:
Default output format [None]:
```

Create a new file in /etc with the name passwd-s3fs and Paste the access key and secret key in the below format.

```
ubuntu@ip-172-31-61-252:~$ sudo touch /etc/passwd-s3fs
ubuntu@ip-172-31-61-252:~$ sudo vim /etc/passwd-s3fs
ubuntu@ip-172-31-61-252:~$ sudo chmod 640 /etc/passwd-s3fs
Syntax
```

Your_accesskey:Your_secretkeycar

```
ubuntu@ip-172-31-61-252:/mybucket$ sudo cat /etc/passwd-s3fs
AKIASXL6B650XQF0JAKS:wDZf2P6wG5u735RLIcIbpWPioCz40KhsrBisy8XW
ubuntu@ip-172-31-61-252:/mybucket$
```

Now create a directory or provide the path of an existing directory and mount S3bucket in it.

```
ubuntu@ip-172-31-61-252:~$ mkdir /mybucket
mkdir: cannot create directory '/mybucket': Permission denied
ubuntu@ip-172-31-61-252:~$ sudo !!
sudo mkdir /mybucket
```

```
ubuntu@ip-172-31-61-252:~$ s3fs maithelybucket -o use_cache=/tm
p -o allow_other -o uid=1001 -o mp_umask=002 -o multireq_max=5
/mybucket
s3fs: MOUNTPOINT: /mybucket permission denied.
ubuntu@ip-172-31-61-252:~$ sudo !!
sudo s3fs maithelybucket -o use_cache=/tmp -o allow_other -o uid=1001 -o mp_umask=002 -o multireq_max=5 /mybucket
ubuntu@ip-172-31-61-252:~$ which s3fs
/usr/bin/s3fs
```

```
ubuntu@ip-172-31-61-252:~$ which s3fs
/usr/bin/s3fs
ubuntu@ip-172-31-61-252:~$ sudo vim /etc/rc.local

ubuntu@ip-172-31-61-252:/mybucket$ cat /etc/rc.local
/usr/local/bin/s3fs maithelybucket -o use_cache=/tmp -o allow_o
ther -o uid=1001 -o mp_umask=002 -o multireq_max=5 /mybucket

ubuntu@ip-172-31-61-252:/mybucket$ []
```

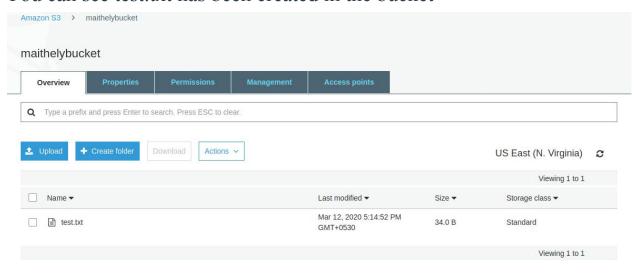
Check mounted s3 bucket

```
ubuntu@ip-172-31-61-252:~$ df -Th /mybucket
Filesystem Type Size Used Avail Use% Mounted on
s3fs fuse.s3fs 256T 0 256T 0% /mybucket
```

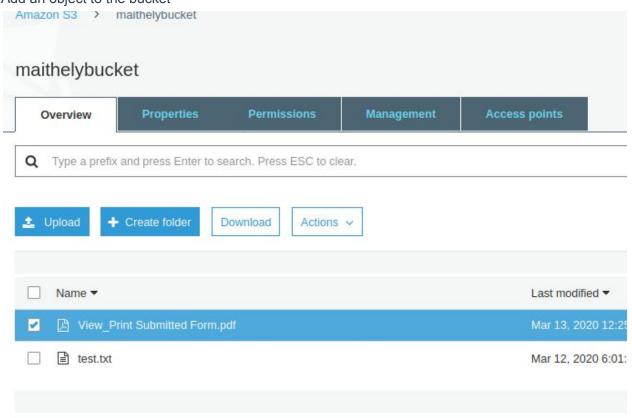
If it shows the mounted file system, you have successfully mounted the S3 bucket on your EC2 Instance. You can also test it further by creating a test file.

ubuntu@ip-172-31-61-252:/mybucket\$ sudo vim test.txt
ubuntu@ip-172-31-61-252:/mybucket\$ cat test.txt
this is a test file to check s3fs

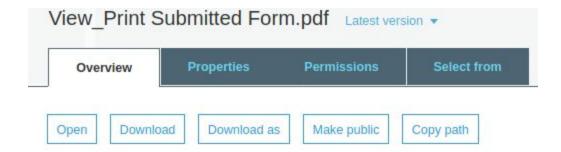
You can see test txt has been created in the bucket



7. Change content type using s3 Add an object to the bucket



Now click on the object and access the object url



Owner

nitin.bhadauria

Last modified

Mar 13, 2020 12:25:24 PM GMT+0530

Etag

19cca41b3ff22345ade5e44032a1dcee

Storage class

Standard

Server-side encryption

None

Size

60.5 KB

Key

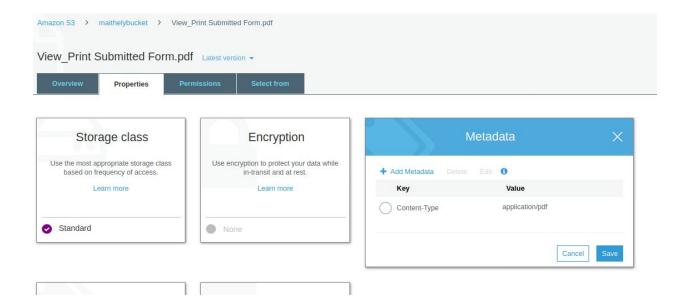
View Print Submitted Form.pdf

Object URL

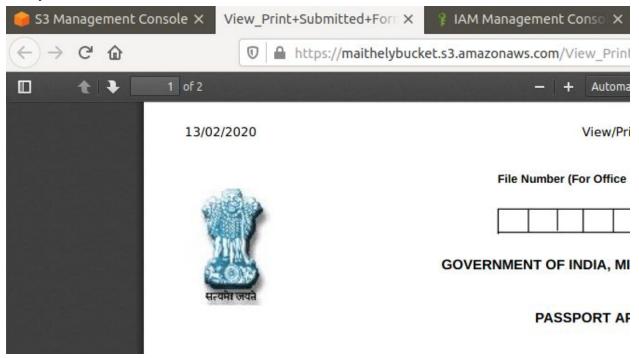
https://maithelybucket.s3.amazonaws.com/View Print+Submitted+Form.pdf

For rendering on the browser:

Go in properties and choose metadata where you have content-type as application/pdf

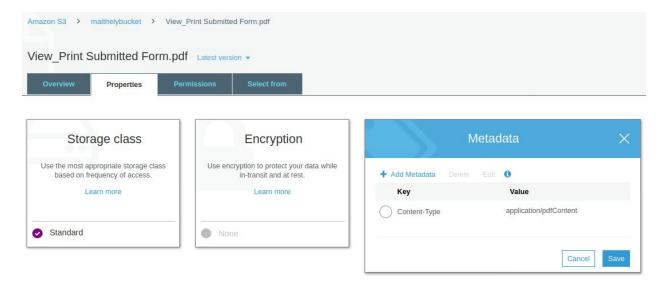


Here you can see the file

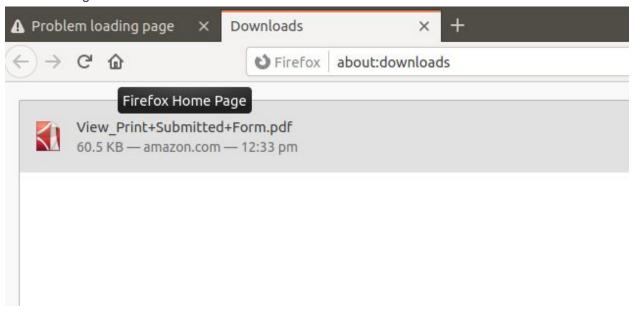


For downloading:

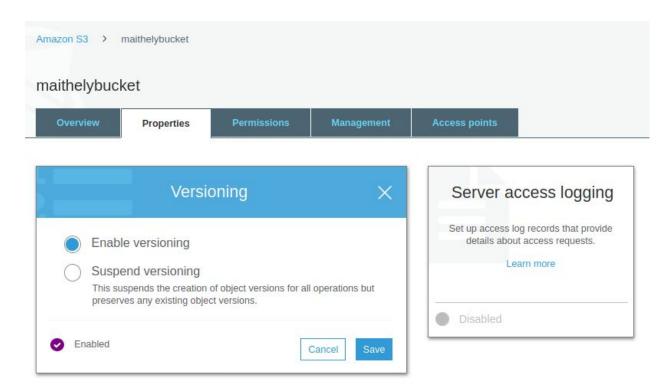
Go in properties and choose metadata where you have content-type as application/pdfContent



Here the file gets downloaded



8. Retrieve previous version of S3(enable versioning).



Upload the same file and you could see the versions



Owner

nitin.bhadauria

Last modified

Mar 13, 2020 12:39:40 PM GMT+0530

Etag

19cca41b3ff22345ade5e44032a1dcee

Storage class

Standard

Server-side encryption

None

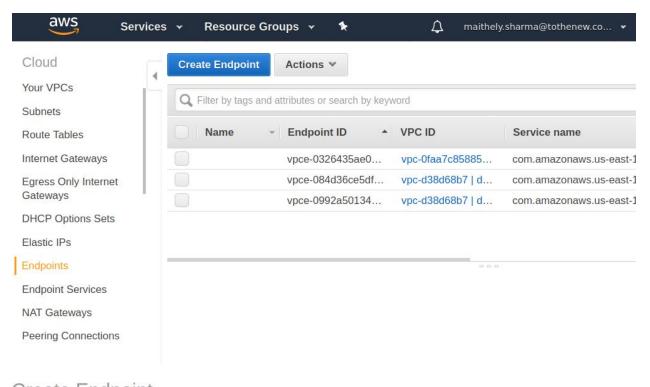
Size

60.5 KB

9. S3 VPC endpoint.

Create a VPC with subnets.

From the navigation pane, choose endpoints, then create endpoints.

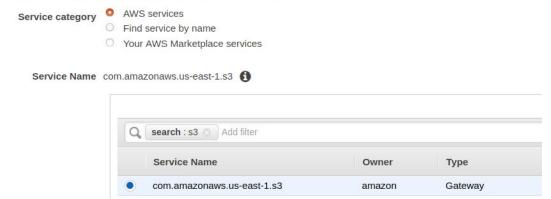


Create Endpoint

A VPC endpoint allows you to securely connect your VPC to another service.

An interface endpoint is powered by PrivateLink, and uses an elastic network interface (ENI) as an entry point for traffic destined to the service.

A gateway endpoint serves as a target for a route in your route table for traffic destined for the service.



- C 0 vpc-0847695ca84e79af3

Configure route tables A rule with destination pl-63a5400a (com.amazonaws.us-east-1.s3) and a target with this endpoints' ID (e.g. vpce-12345678) will be added to the route

Subnets associated with selected route tables will be able to access this endpoint.

rtb-0e	ec3f8525a87f4860 rtb-02f	1a06d9ef24a280			
	Route Table ID	Main	Associated With		
	rtb-0ec3f8525a87f4860	No	3 subnets		
	rtb-02f1a06d9ef24a280	Yes	subnet-0e85ed72871e50725 kaushu_tag		



Warning

When you use an endpoint, the source IP addresses from your instances in your affected subnets for accessing the AWS service in the same region will be private IP addresses, not public IP addresses. Existing connections from your affected subnets to the AWS service that use public IP addresses may be dropped. Ensure that you don't have critical tasks running when you create or modify an endpoint.

Policy*

- O Full Access Allow access by any user or service within the VPC using credentials from any AWS accounts to any resources in this AWS service. All policies — IAM user policies, VPC endpoint policies, and AWS service-specific policies (e.g. Amazon S3 bucket policies, any S3 ACL policies) — must grant the necessary permissions for access to succeed.
- O Custom

Use the policy creation tool to generate a policy, then paste the generated policy below.

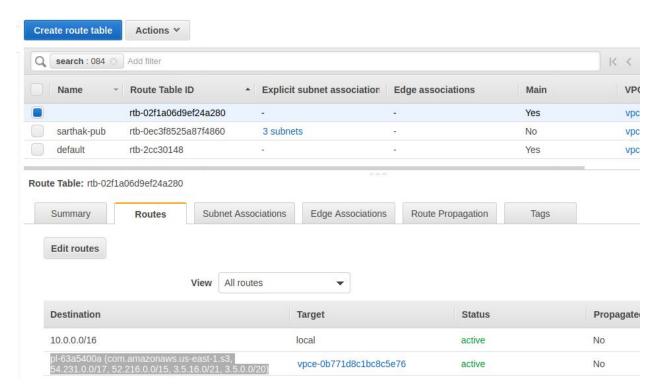
```
"Statement": [
         "Action": "*",
"Effect": "Allow",
"Resource": "*",
"Principal": "*"
```



Create Endpoint



You can see in route table of that subnet that endpoint has been added to it



Then Generate a policy and add it to the bucket policy.

- Add Bucket ARN
- Add conditions: StringEquals
- Add VPCE ID



AWS Policy Generator

The AWS Policy Generator is a tool that enables you to create policies that control access to Amazon Web Services (AWS) products and resources. For more information about creating policies, see key concepts in Using AWS Identity and Access Management. Here are sample policies.

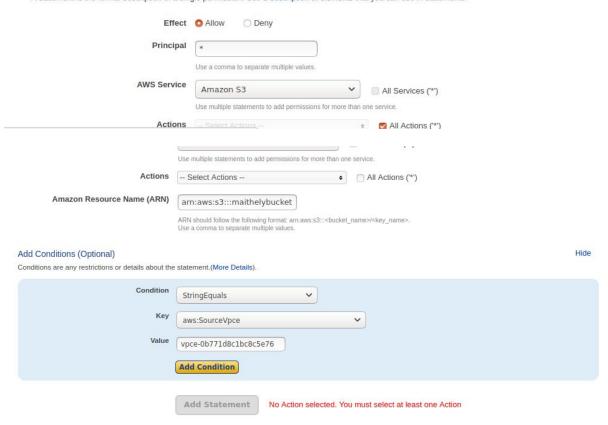
Step 1: Select Policy Type

A Policy is a container for permissions. The different types of policies you can create are an IAM Policy, an S3 Bucket Policy, an SNS Topic Policy, a VPC Endpoint Policy, and an SQS Queue Policy.



Step 2: Add Statement(s)

A statement is the formal description of a single permission. See a description of elements that you can use in statements.



Copy the policy

```
ARN should follow the following format: arn aws:s3...sbucket_name>/ckey_name>.

Use a comma to separate multiple values.

Policy JSON Document

Click below to edit. To save the policy, copy the text below to a text editor.
Changes made below will not be reflected in the policy generator tool.

{
    "Id": "Policy1584084413527",
    "Version": "2012-10-17",
    "Statement": [
    {
        "Sid": "Stmt1584084411749",
        "Action": "33:",
        "Resource": "arn:aws:s3:::maithelybucket",
        "Condition": {
        "stringEguals": {
        "aws:SourceVpce": "vpce-0b771d8c1bc8c5e76"
        }
        }
        "Principal": "*"
    }
}

This AWS F

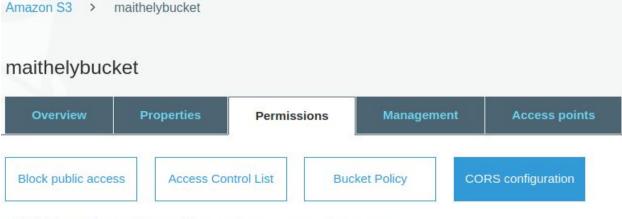
Applicable tern

An amazoncom. company
```

Paste to bucket policy

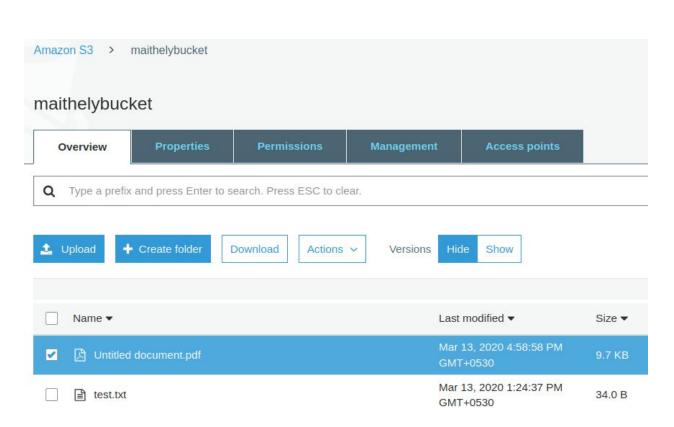
Bucket policy editor ARN: arn:aws:s3:::maithelybucket Type to add a new policy or edit an existing policy in the text area below.

10. CORS, Enable CORS for 2 specific website.



CORS configuration editor ARN: arn:aws:s3:::maithelybucket

Add a new cors configuration or edit an existing one in the text area below.



We are able to view this document because we have added "amazon console link"

