LAMBA CROSS ACCOUNT WITH BUCKET POLICIES

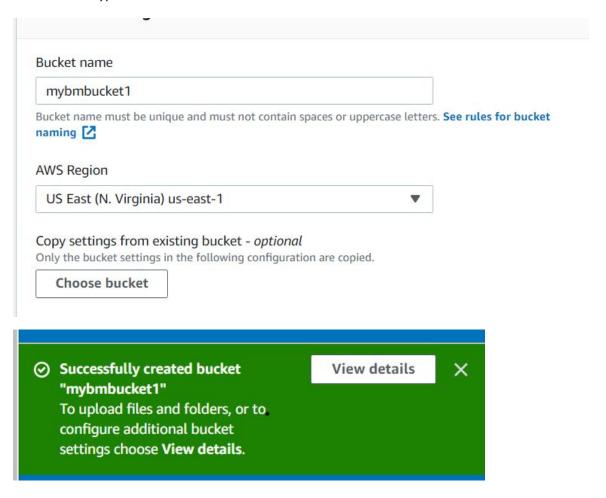
`This lab can be performed using two AWS accounts or one AWS account. Repeat the instruction in case the lab is performed using one AWS account only.

Steps - create the following:

- S3 bucket in account 2
- Lambda role in account 1
- Bucket policy for the S3 bucket in account 2
- Lambda in account 1
- Delete resources

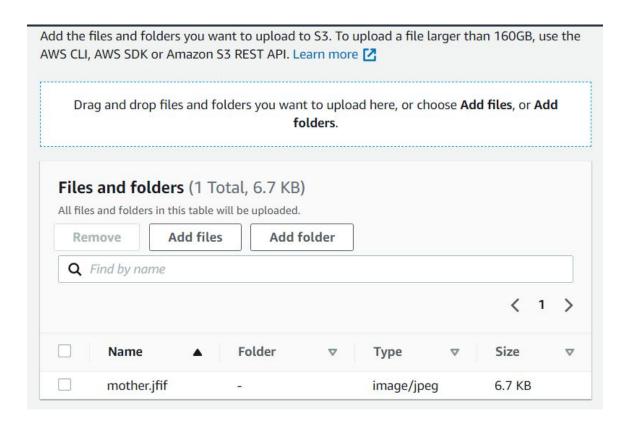
Create new S3 bucket

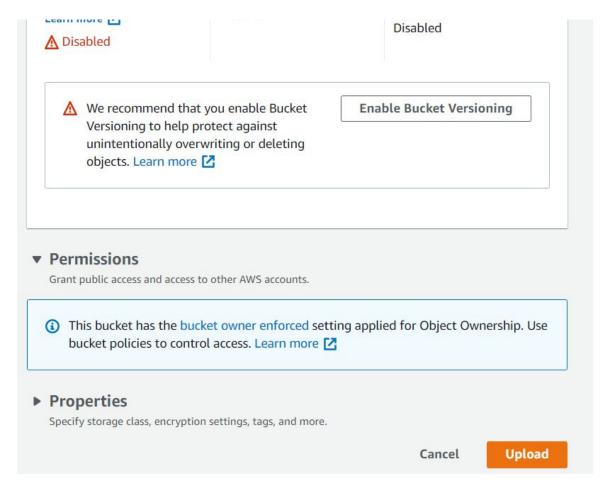
- Go to the S3 console at https://console.aws.amazon.com/s3
- Type the bucket name and clcik on create bucket



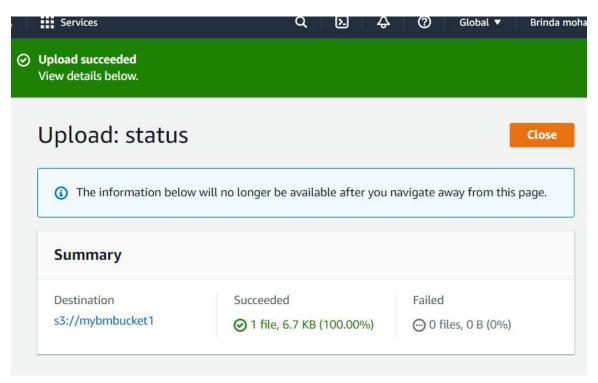
Add object to an S3 bucket

- Click on the name of the bucket
- Drag the fileto upload to the bucket into the object upload area

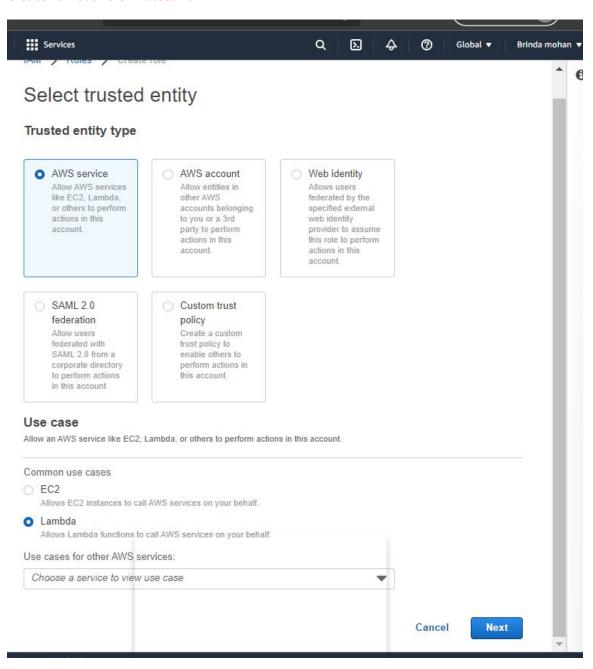


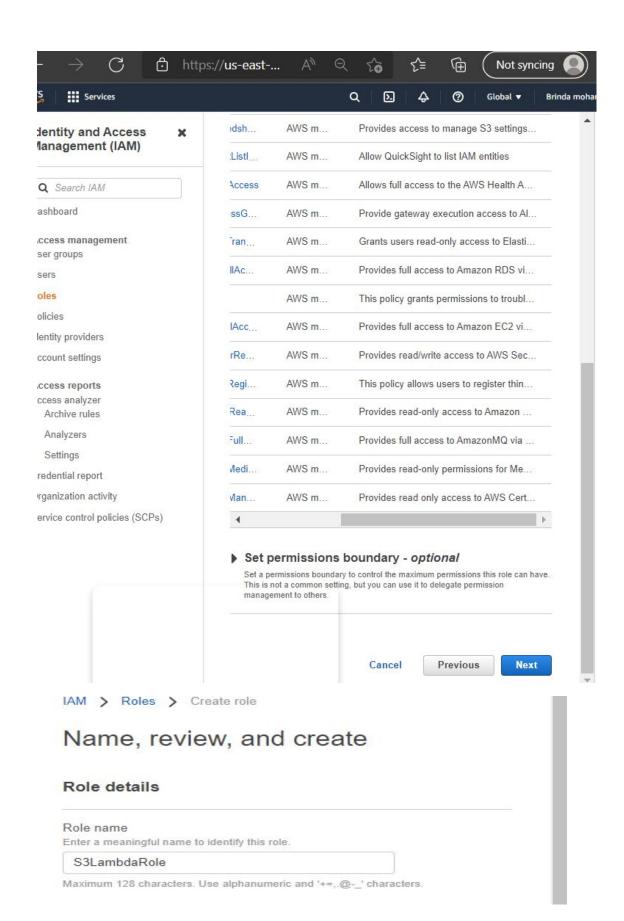


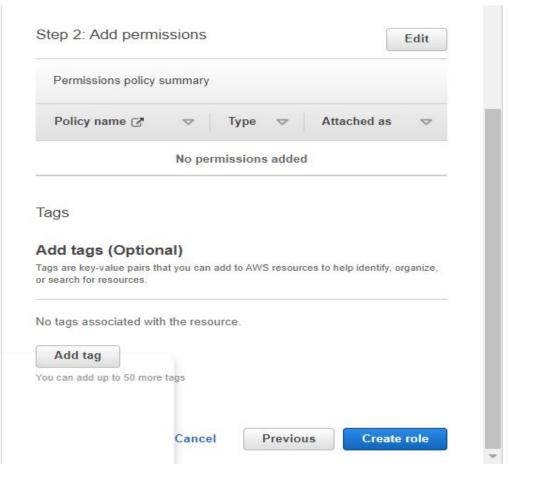
Click Upload

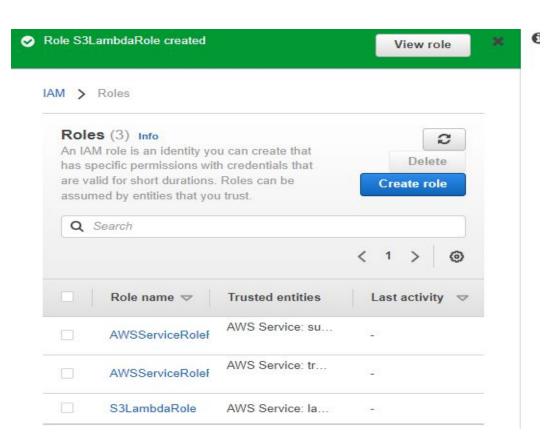


Create Lambda role in account 1









A policy defines the AWS permissions that you can assign to a user, group, or role editor and using JSON. Learn more

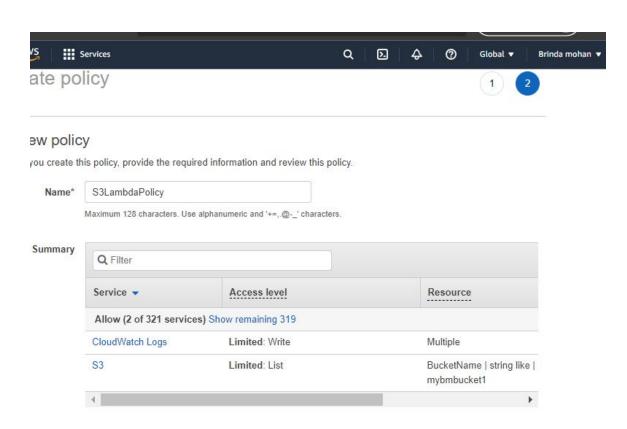
```
Visual editor
              JSON
  1 +
       {
            "Version": "2012-10-17",
  2
  3 +
            "Statement": [
  4 -
                {
                    "Sid": "S3ListBucket",
  5
                    "Effect": "Allow",
  6
  7 +
                    "Action": [
                         "s3:ListBucket"
  8
  9
                    "Resource": "arn:aws:s3:::mybmbucket1
 10
                },
 11
 12 -
 13
                    "Sid": "logsstreamevent",
                    "Effect": "Allow",
 14
                    "Action": [
15 +
 16
                         "logs:CreateLogStream",
                         "logs:PutLogEvents"
 17
① Security: 0 ② Errors: 0 🛕 Warnings: 0 🔾 Suggestions: 0
```

Create S3 bucket policy in account 2

Sign in to the S3 Management Console as an IAM user or role in your AWS account, and open the S3 console at https://console.aws.amazon.com/s3 for account 2

Enter the following JSON policy, in the permissions tab of the Bucket policy.

- Replace account 1 with the AWS Account number account 1
- Replace bucketname with the S3 bucket name from account 2

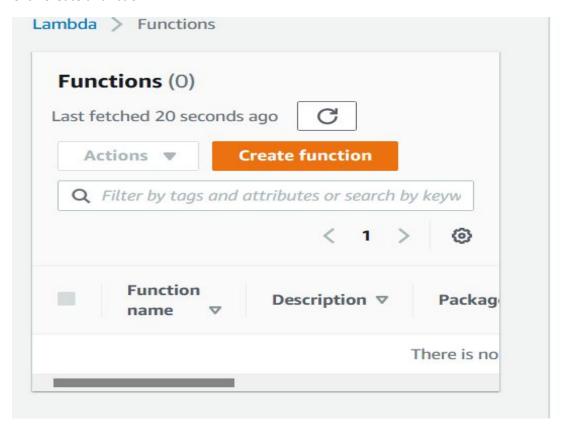


Name this policy S3LambdaPolicy, then click Create policy

CREATE LAMBDA IN ACCOUNT 1

Open the Lambda console https://console.aws.amazon.com/lambda

Click Create a function



- Accept the default Author from scratch
- Enter function name as S3Lambda
- Select Python 3.7 runtime
- Expand Permissions, click Use an existing role, then select the S3LambdaRole
- Click Create function
- Replace the example function code with the following
- Replace bucketname with the S3 bucket name from account 2
- Click Save.
- Click Test, accept the default event template, enter an event name for the test, then click Create
- Click Test again, and in a few seconds the function output should highlight green and you can expand the detail to see the response from the S3 API

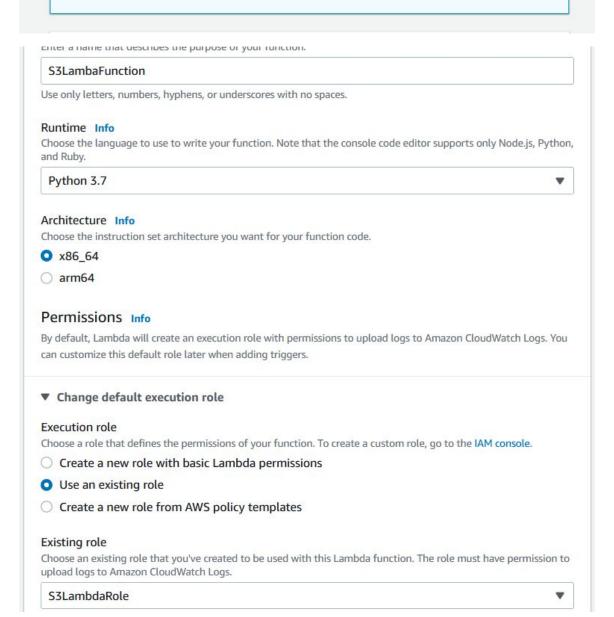
Create function Info

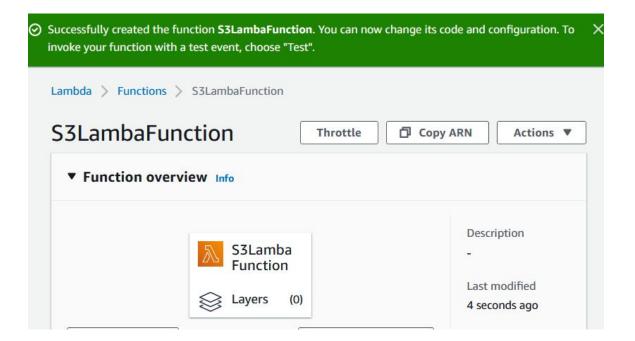
Choose one of the following options to create your function.

Author from scratch

0

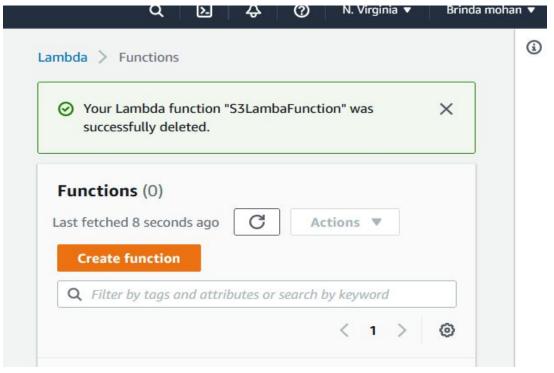
Start with a simple Hello World example.

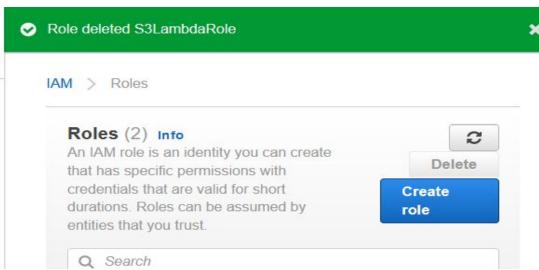




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×
    ▼ Details
   The area below shows the last 4 KB of the execution log.
       "statusCode": 200,
       "body": "\"Hello from Lambda!\""
   Summary
   Code SHA-256
                                          Request ID
   fI06ZlRH/KN6Ra3twvdRllUYaxv182Tjx0qN
                                          1aae4786-9145-4b7c-baf1-5627478f71d6
   WNlKIhI=
   Duration
                                          Billed duration
   1.48 ms
                                          2 ms
   Resources configured
                                          Max memory used
   128 MB
                                          36 MB
   Log output
   The section below shows the logging calls in your code. Click here to view the
   corresponding CloudWatch log group.
    START RequestId: 1aae4786-9145-4b7c-baf1-5627478f71d6 Version:
    $LATEST
    END RequestId: 1aae4786-9145-4b7c-baf1-5627478f71d6
    REPORT RequestId: 1aae4786-9145-4b7c-baf1-5627478f71d6 Duration:
```

Delete Resources





Delete bucket

Cancel

Successfully deleted bucket "mybmbucket1"