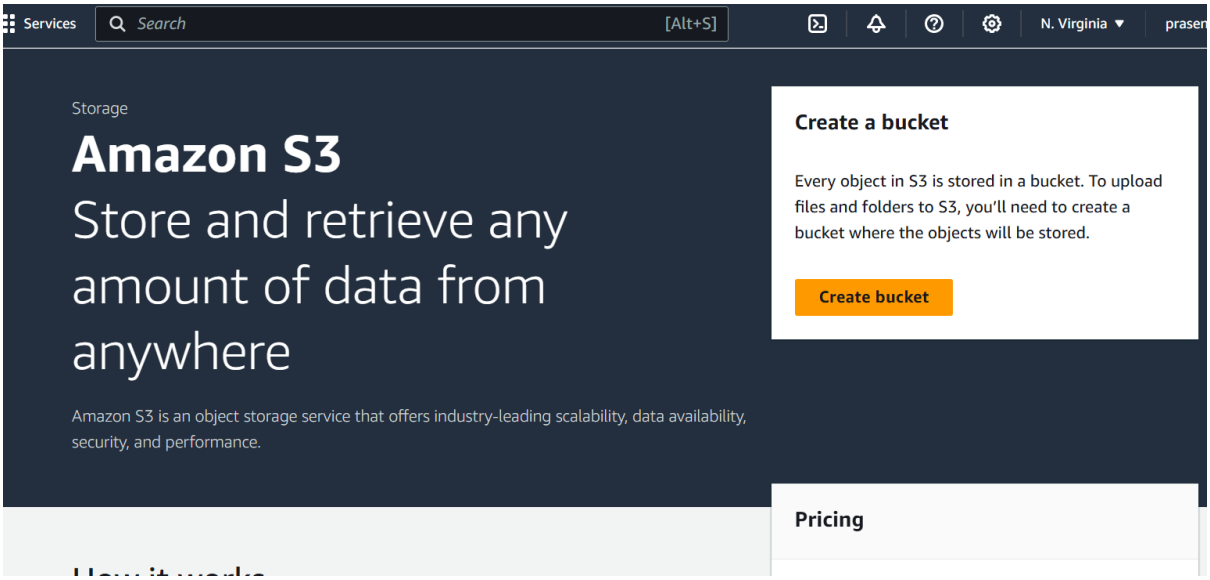
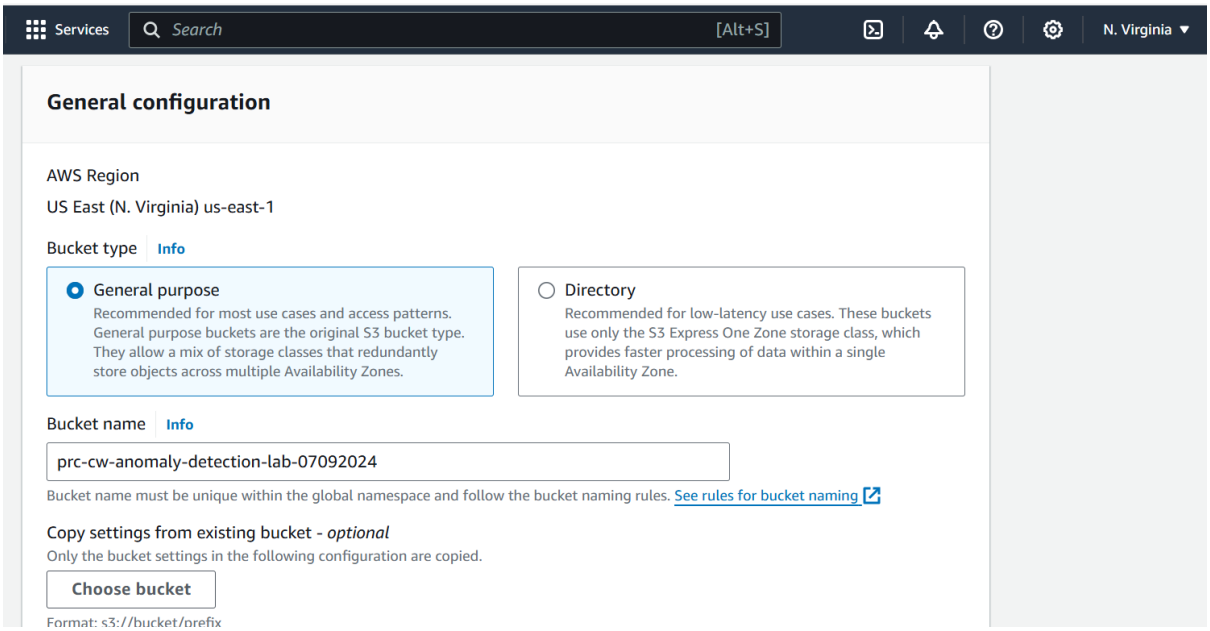
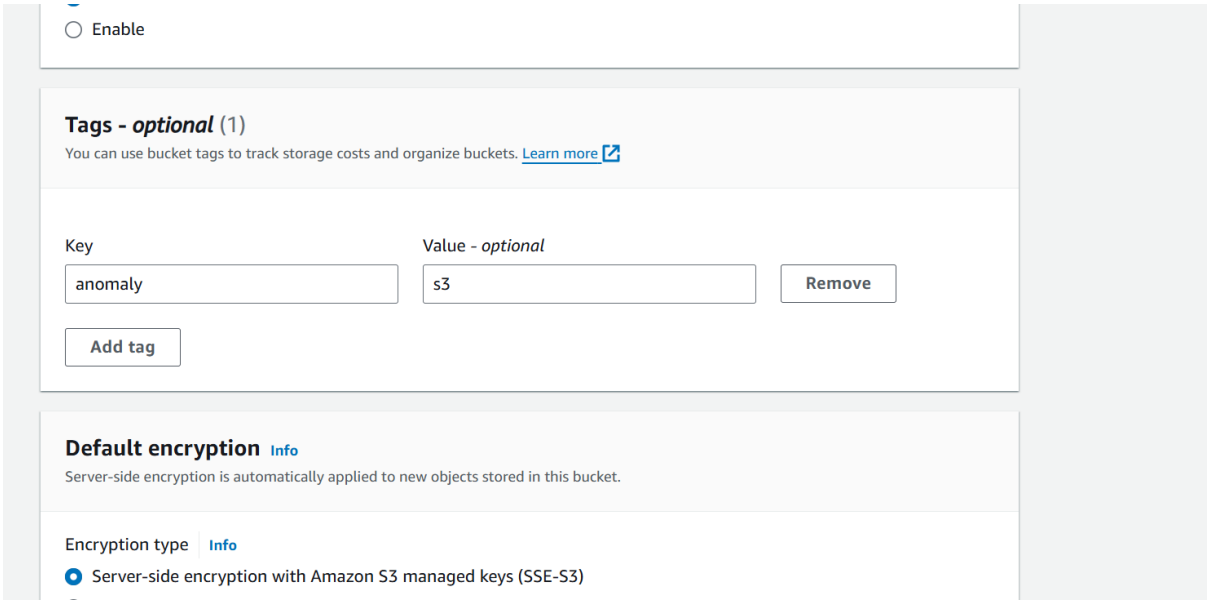
1. Creating S3 bucket

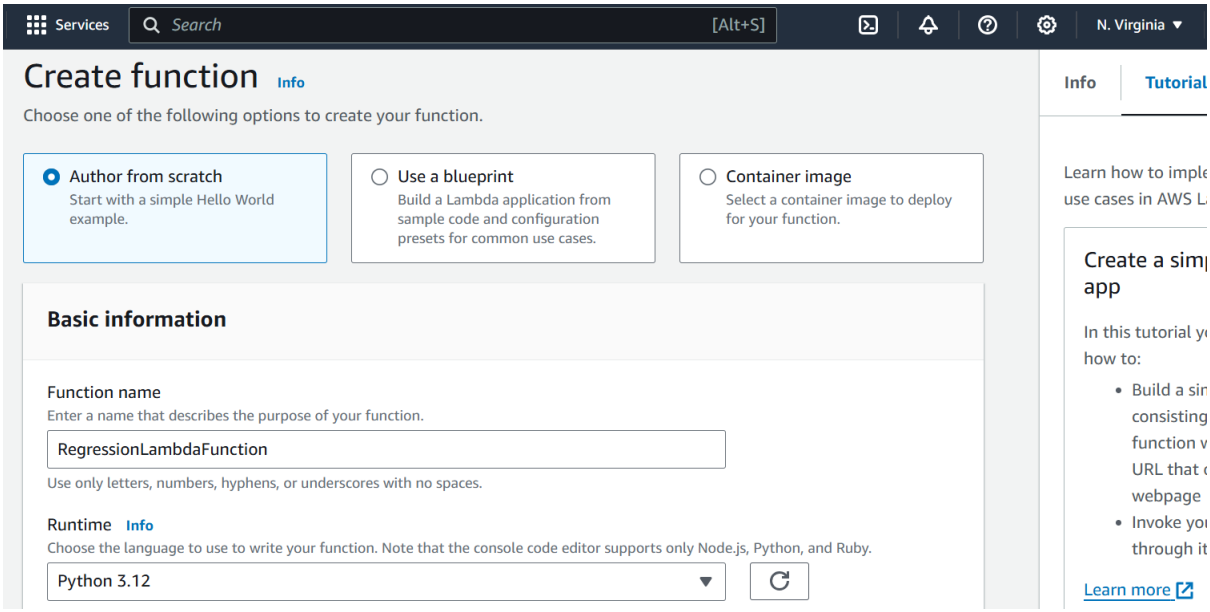


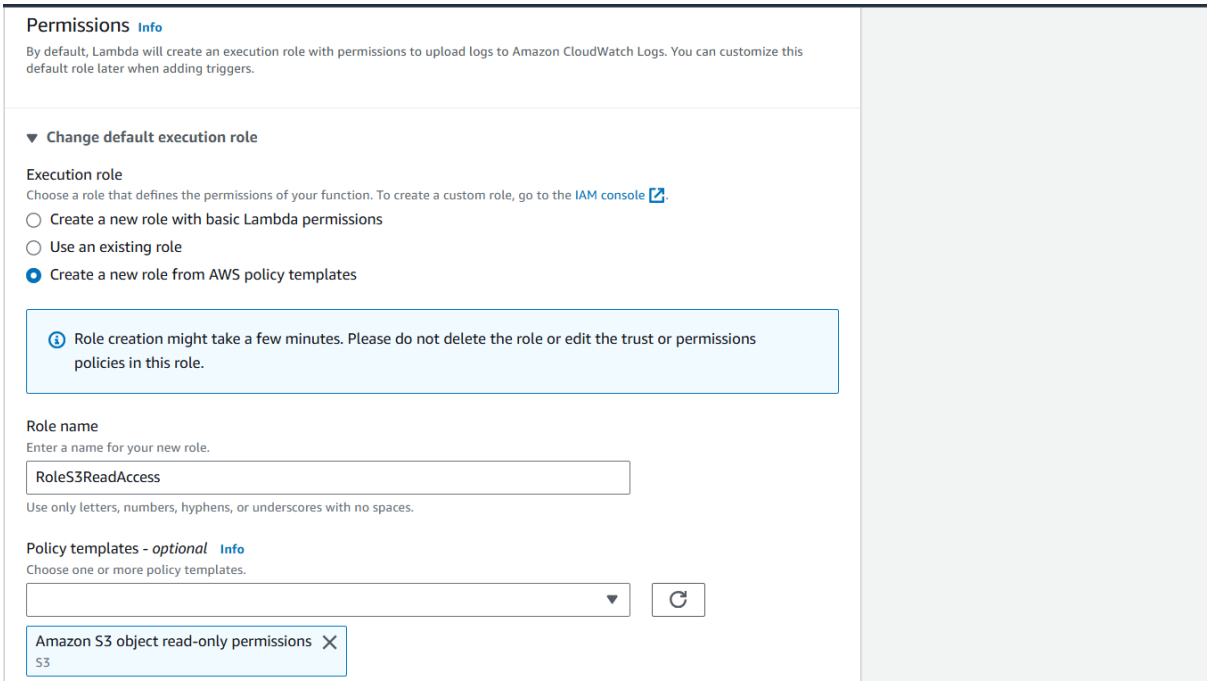
2. Bucket creation with tag value



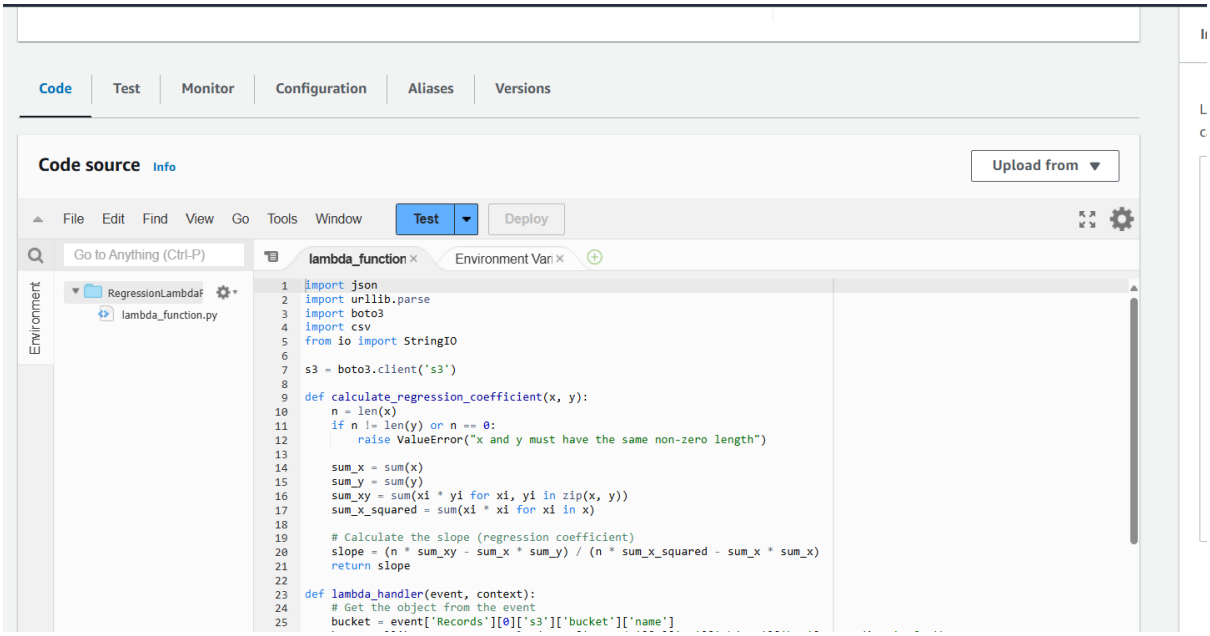


3. Create function from scratch

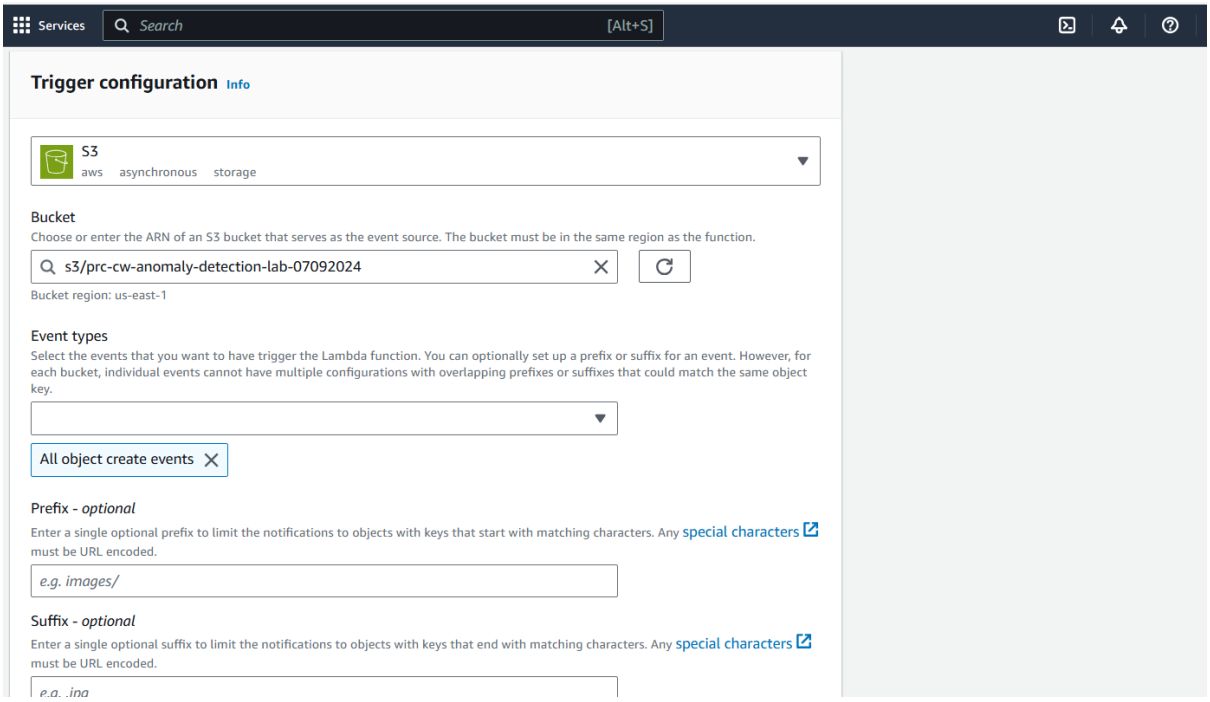




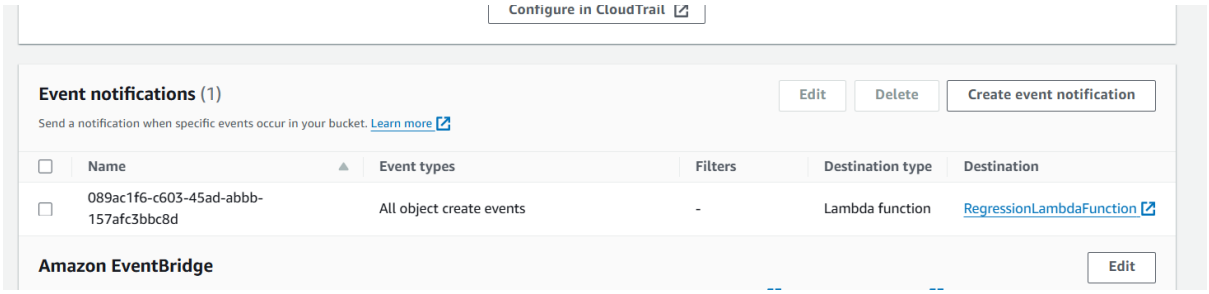
4. Deploy code



5. Trigger addition



6. Event notification added in S3 bucket



7. Resource based policy added in lambda function

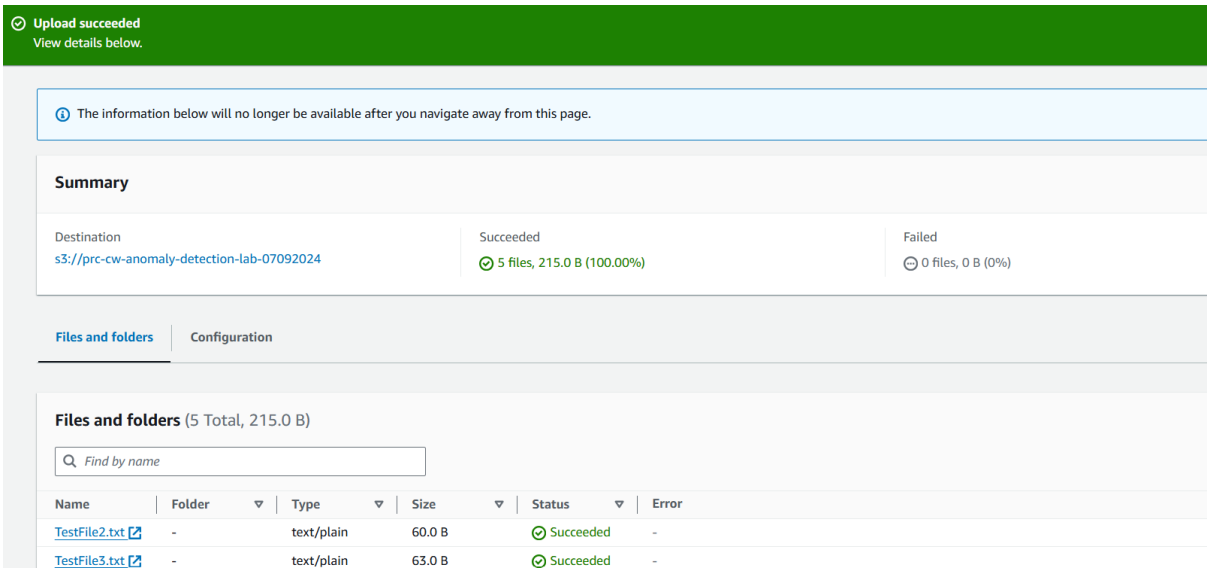
Resource-based policy document


```
{
  "Version": "2012-10-17",
  "Id": "default",
  "Statement": [
    {
      "Sid": "lambda-ed97d6bd-3892-4ef0-9b06-b449ab3619fb",
      "Effect": "Allow",
      "Principal": {
        "Service": "s3.amazonaws.com"
      },
      "Action": "lambda:InvokeFunction",
      "Resource": "arn:aws:lambda:us-east-1:820242904343:function:RegressionLambdaFunction",
      "Condition": {
        "StringEquals": {
          "AWS:SourceAccount": "820242904343"
        },
        "ArnLike": {
          "AWS:SourceArn": "arn:aws:s3:::prc-cw-anomaly-detection-lab-07092024"
        }
      }
    }
  ]
}
```

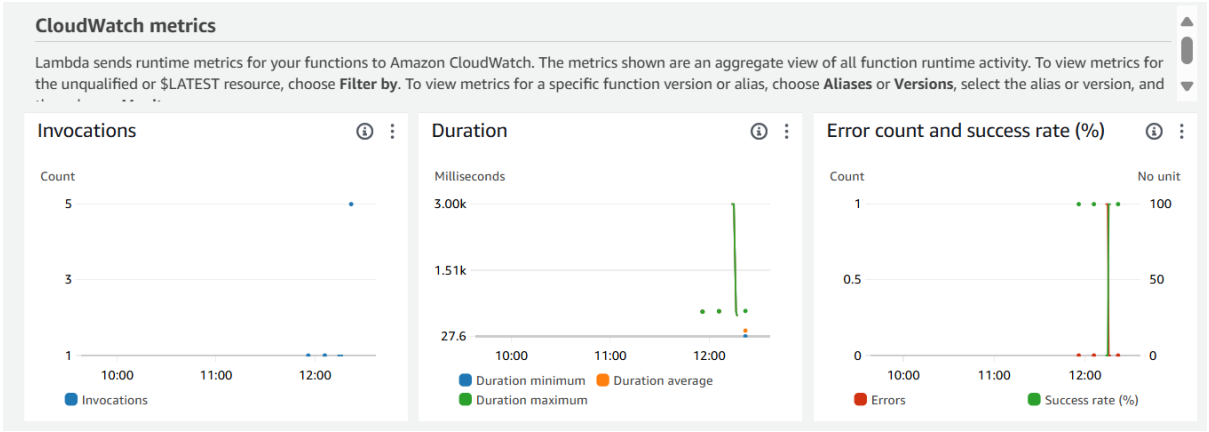

1:1 JSON Spaces: 2

Close

8. Upload a text file for processing which has two columns



9. Lambda is executed after processing the data



10. The CloudWatch Loggroup prints the logs

▶	2024-09-07T12:22:49.445Z	Number of data points: 5
▶	2024-09-07T12:22:49.445Z	Regression Coefficient: 100.0
▶	2024-09-07T12:22:49.465Z	END RequestId: 90321564-abcb-443d-9104-103fdf9e9397
▶	2024-09-07T12:22:49.465Z	REPORT RequestId: 90321564-abcb-443d-9104-103fdf9e9397 Duration: 40.42 ms Billed Duration: 41 ms Memory Size: 128 MB Max Memory U…
▶	2024-09-07T12:22:50.397Z	START RequestId: fa4b41f4-ba03-4f56-b3a3-1594383c6c1e Version: $LATEST
▶	2024-09-07T12:22:50.413Z	CONTENT TYPE: text/plain
▶	2024-09-07T12:22:50.413Z	Number of data points: 3
▶	2024-09-07T12:22:50.413Z	Regression Coefficient: 10.0
▶	2024-09-07T12:22:50.425Z	END RequestId: fa4b41f4-ba03-4f56-b3a3-1594383c6c1e
▶	2024-09-07T12:22:50.425Z	REPORT RequestId: fa4b41f4-ba03-4f56-b3a3-1594383c6c1e Duration: 27.58 ms Billed Duration: 28 ms Memory Size: 128 MB Max Memory U…
▶	2024-09-07T12:22:51.204Z	START RequestId: cd448f35-ae42-4911-b181-bee6d1fa658b Version: $LATEST
▶	2024-09-07T12:22:51.225Z	CONTENT TYPE: text/plain
▶	2024-09-07T12:22:51.225Z	Number of data points: 5
▶	2024-09-07T12:22:51.225Z	Regression Coefficient: 10.0
▶	2024-09-07T12:22:51.265Z	END RequestId: cd448f35-ae42-4911-b181-bee6d1fa658b
▶	2024-09-07T12:22:51.265Z	REPORT RequestId: cd448f35-ae42-4911-b181-bee6d1fa658b Duration: 59.91 ms Billed Duration: 60 ms Memory Size: 128 MB Max Memory U…