

# 1. Set up the CloudWatch to monitor your AWS expense

The first screenshot shows the 'Create alarm' wizard in the AWS CloudWatch console. The 'Metric name' is 'EstimatedCharges', the 'Currency' is 'USD', the 'Statistic' is 'Maximum', and the 'Period' is '6 hours'. The 'Conditions' section shows 'Static' threshold type selected, with the condition 'Whenever EstimatedCharges is... Greater > threshold' and a threshold value of '1' USD.

The second screenshot shows the 'Billing alarms (1)' table in the CloudWatch console. The table lists the alarm 'BillingAlarm\_TUSD' with a state of 'Insufficient data' and a last state update of '2024-09-30 22:20:20'. The conditions are 'EstimatedCharges > 1 for 1 datapoints within 6 hours' and the actions are 'Actions enabled'.

Name	State	Last state update (UTC)	Conditions	Actions
BillingAlarm_TUSD	Insufficient data	2024-09-30 22:20:20	EstimatedCharges > 1 for 1 datapoints within 6 hours	Actions enabled

us-east-1:console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsv2/alarms/BillingAlarm\_1USD

CloudWatch

Alarms (1)

BillingAlarm\_1USD

Graph

EstimatedCharges

EstimatedCharges > 1 for 1 datapoints within 6 hours

No unit

1

0.5

0

09/24 09/24 09/25 09/25 09/26 09/26 09/27 09/27 09/28 09/28 09/29 09/29 09/30 09/30

Click timeline to see the state change at the selected time.

Legend: In alarm, OK, Insufficient data, Disabled actions

Details Tags Actions History Parent alarms

us-east-1:console.aws.amazon.com/cloudwatch/home?region=us-east-1#alarmsv2/alarms/BillingAlarm\_1USD

CloudWatch

Alarms (1)

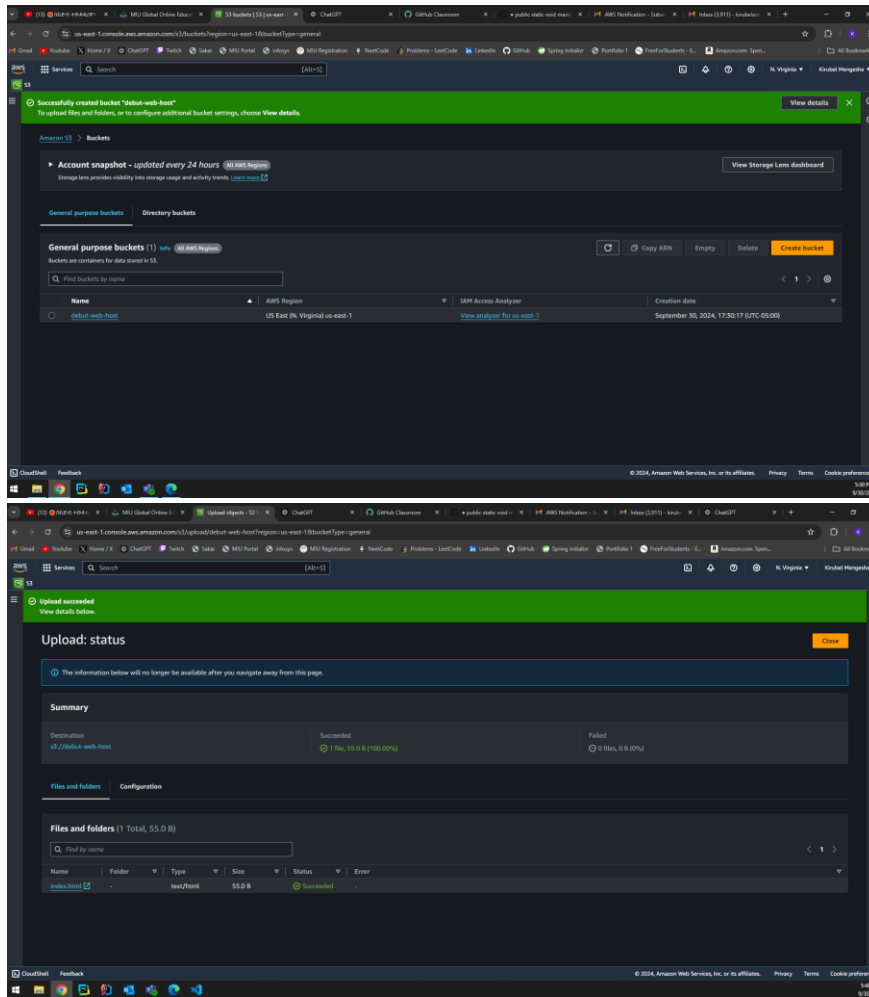
BillingAlarm\_1USD

Details

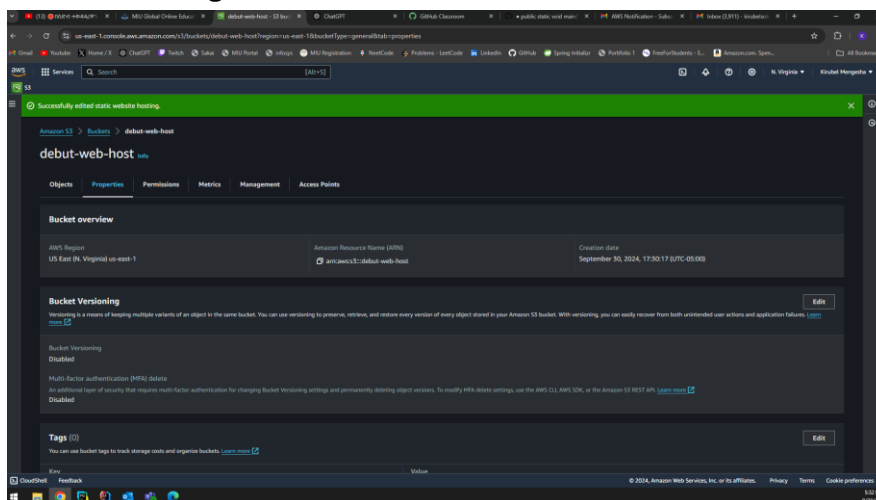
Name	BillingAlarm_1USD	State	Insufficient data	Namespace	AWS/Billing	Datapoints to alarm	1 out of 1
Type	Metric alarm	Threshold	EstimatedCharges > 1 for 1 datapoints within 6 hours	Metric name	EstimatedCharges	Missing data treatment	Treat missing data as missing
Description	No description	Unit	USD	Currency	USD	Percentiles with low samples	evaluate
		Last state update	2024-09-30 17:20:20 (Local)	Statistic	Maximum	ARN	arn:aws:cloudwatch:us-east-1:970547551397:alarm:BillingAlarm_1USD
		Actions	Actions enabled	Period	6 hours		

View EventBridge rule

## 2. Create an Amazon S3 Bucket and Upload a File



## 3. Navigate to the `properties` tab in the S3 bucket console and enable "Static website hosting".

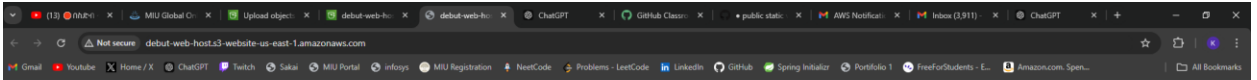


#### 4. The public URL of the index file

The first screenshot shows the 'Properties' tab for the S3 bucket 'debut-web-host' in the us-east-1 region. The bucket type is 'general'. The 'Object Lock' feature is disabled. The 'Requester pays' feature is disabled. The 'Static website hosting' feature is enabled, and the bucket website endpoint is <http://debut-web-host.s3-website-us-east-1.amazonaws.com>.

The second screenshot shows the 'Permissions' tab for the same bucket. The 'Bucket policy' is displayed as a JSON document that allows the 's3:GetObject' action for the principal '\*' (anyone) on the resource 'arn:aws:s3:::debut-web-host/\*'. The 'Object Ownership' section indicates that control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs) is not specified.

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::debut-web-host/*"
    }
  ]
}
```



**Hello AWS!**

