

```
1  import os
2  import json
3  import boto3
4
5  # Create an SES client
6  ses_client = boto3.client('ses')
7
8  def lambda_handler(event, context):
9      # Extract environment variables
10     sender_email = os.environ['SENDER_EMAIL']
11     recipient_email = os.environ['RECIPIENT_EMAIL']
12
13     # Get bucket name and object key from the S3 event
14     bucket_name = event['Records'][0]['s3']['bucket']['name']
15     object_key = event['Records'][0]['s3']['object']['key']
16
17     # Log to CloudWatch
18     print(f"File uploaded: {object_key} in bucket: {bucket_name}")
19
20     # Email content
21     subject = "New File Uploaded to S3"
22     body = (
23         f"A new file has been uploaded to your S3 bucket.\n\n"
24         f"Bucket: {bucket_name}\n"
25         f"File Name: {object_key}"
26     )
27
28     # Send email via SES
29     try:
30         response = ses_client.send_email(
31             Source=sender_email,
32             Destination={
33                 'ToAddresses': [recipient_email]
```

CloudWatch

<

Favorites and recents

>

In alarm

All alarms

Billing

▼ Logs

Log groups

Log Anomalies

Live Tail

Logs Insights

Contributor Insights

▼ Metrics

All metrics

Explorer

Streams

► Application Signals New

(APM)

GenAI Observability Preview

► Network Monitoring

▼ Insights

Log events

Actions

Start tailing

Create metric filter

Q Filter events - press enter to search

1m1h

UTC timezone

Display

▶	Timestamp	Message
▶	2025-08-17T10:34:21.361Z	START RequestId: ffed3978-433e-4942-a662-d503088d8fe9 Version: \$LATEST
▶	2025-08-17T10:34:21.361Z	[ERROR] KeyError: 'SENDER_EMAIL' Traceback (most recent call last): File "/var/task/lambda_function.py", ...
▶	2025-08-17T10:34:21.379Z	END RequestId: ffed3978-433e-4942-a662-d503088d8fe9
▶	2025-08-17T10:34:21.379Z	REPORT RequestId: ffed3978-433e-4942-a662-d503088d8fe9 Duration: 17.81 ms Billed Duration: 18 ms Memory Siz...
▶	2025-08-17T10:39:08.856Z	START RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29 Version: \$LATEST
▶	2025-08-17T10:39:08.856Z	[ERROR] KeyError: 'SENDER_EMAIL' Traceback (most recent call last): File "/var/task/lambda_function.py", ...
▶	2025-08-17T10:39:08.881Z	END RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29
▶	2025-08-17T10:39:08.881Z	REPORT RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29 Duration: 24.58 ms Billed Duration: 25 ms Memory Siz...
▶	2025-08-17T10:40:08.036Z	START RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29 Version: \$LATEST
▶	2025-08-17T10:40:08.036Z	[ERROR] KeyError: 'SENDER_EMAIL' Traceback (most recent call last): File "/var/task/lambda_function.py", ...
▶	2025-08-17T10:40:08.042Z	END RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29
▶	2025-08-17T10:40:08.042Z	REPORT RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29 Duration: 4.43 ms Billed Duration: 5 ms Memory Size:...
▶	2025-08-17T10:42:16.207Z	START RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29 Version: \$LATEST
▶	2025-08-17T10:42:16.215Z	[ERROR] KeyError: 'SENDER_EMAIL' Traceback (most recent call last): File "/var/task/lambda_function.py", ...
▶	2025-08-17T10:42:16.236Z	END RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29
▶	2025-08-17T10:42:16.236Z	REPORT RequestId: 6519f7e0-e1c9-4992-bfee-4ddad1887b29 Duration: 28.15 ms Billed Duration: 29 ms Memory Siz...

No newer events at this moment. Auto retrying... Pause

Back to top



[Option+S]



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lambda_function.py

```
8 def lambda_handler(event, context):
22     body = {
25         f"File Name: {object_key}"
26     }
27
28     # Send email via SES
29     try:
30         response = ses_client.send_email(
31             Source=sender_email,
32             Destination={
33                 'ToAddresses': [recipient_email]
34             },
35             Message={
36                 'Subject': {'Data': subject},
37                 'Body': {
38                     'Text': {'Data': body}
39                 }
40             }
41         )
42         print(f"Email sent! Message ID: {response['MessageId']}")
43     except Exception as e:
44         print(f"Error sending email: {str(e)}")
45
46     return {
47         'statusCode': 200,
48         'body': json.dumps('Lambda executed successfully!')
49     }
```


AWS CloudTrail data events (0) [Info](#)

[Configure in CloudTrail](#)

Configure CloudTrail data events to log Amazon S3 object-level API operations in the CloudTrail console. [Learn more](#)

Name

Access

No data events

No data events to display.

[Configure in CloudTrail](#)

Event notifications (1)

[Edit](#)[Delete](#)[Create event notification](#)

Send a notification when specific events occur in your bucket. [Learn more](#)

<input type="checkbox"/>	Name	Event types	Filters	Destination type	Destination
<input type="checkbox"/>	39fad459-630f-41a5-8c14-8a373e0678e3	All object create events	-	Lambda function	csntask10

Amazon EventBridge

[Edit](#)

For additional capabilities, use Amazon EventBridge to build event-driven applications at scale using S3 event notifications. [Learn more](#) or [see EventBridge pricing](#)

Send notifications to Amazon EventBridge for all events in this bucket

Off

Transfer acceleration

[Edit](#)

Use an accelerated endpoint for faster data transfers. [Learn more](#)