

Sending Emails with SES



Thomas Compagno

VP OF TECHNOLOGY

@tomcompagno www.linkedin.com/in/tomcompagno



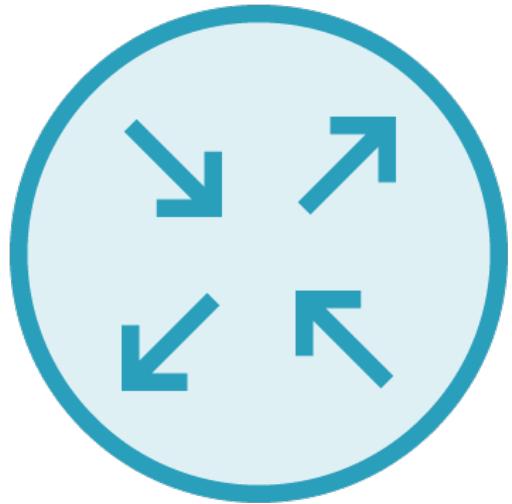
Overview



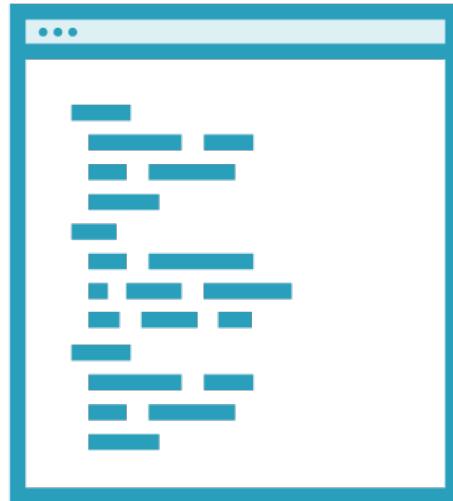
- Configure SES
- Create Lambda function
- Review Lambda code
- Test Lambda function
- Review and provide correct permissions
- Build API Gateway wrapper
- Final testing



This Module's Primary Amazon Services



API Gateway
Wrap our lambda
email code with an
API endpoint



Lambda Function
Parse our content and
send an email using
SES



Simple Email Service
Will act as our primary
email system



Demo



SES Setup

Lambda functions

API Gateway



AWS Management Console

Secure https://us-west-2.console.aws.amazon.com/console/home?region=us-west-2

Services Resource Groups Tom Compagno Oregon Support

AWS services

Find a service by name (for example, EC2, S3, Elastic Beanstalk).

Recently visited services

- Elastic Beanstalk
- API Gateway
- S3

All services

Featured next steps



Manage your costs

Get real-time billing alerts based on your cost and usage budgets. [Start now](#)



Get best practices

Use AWS Trusted Advisor for security, performance, cost and availability best practices. [Start now](#)

Build a solution

Get started with simple wizards and automated workflows.

- [Launch a virtual machine](#)
With EC2
~1 minute
- [Build a web app](#)
With Elastic Beanstalk
~6 minutes
- [Deploy a serverless microservice](#)
With Lambda, API Gateway
~2 minutes
- [Host a static website](#)
With S3, CloudFront, Route 53
~5 minutes
- [Create a backend for your mobile app](#)
With Mobile Hub
~5 minutes
- [Register a domain](#)
With Route 53
~3 minutes

What's new?

Announcing AWS Batch

Now generally available, AWS Batch enables developers, scientists, and engineers to process large-scale batch jobs with ease. [Learn more](#)

Announcing Amazon Lightsail

See how this new service allows you to launch and manage your VPS with AWS for a low, predictable price. [Learn more](#)

[See all](#)



Services

Resource Groups



Tom Compagno

Oregon

Support

History

Search services

Group

A-Z

Console Home

Elastic Beanstalk

API Gateway

S3

Lambda

Billing



Compute

EC2

EC2 Container Service

Lightsail

Elastic Beanstalk

Lambda

Batch



Storage

S3

EFS

Glacier

Storage Gateway



Database

RDS

DynamoDB

ElastiCache

Redshift



Migration

Application Discovery Service

DMS

Server Migration

Snowball



Developer Tools

CodeCommit

CodeBuild

CodeDeploy

CodePipeline



Management Tools

CloudWatch

CloudFormation

CloudTrail

Config

OpsWorks

Service Catalog

Trusted Advisor



Analytics

Athena

EMR

CloudSearch

Elasticsearch Service

Kinesis

Data Pipeline

QuickSight



Artificial Intelligence

Lex

Polly

Rekognition

Machine Learning



Internet Of Things

AWS IoT



Game Development

Gameift



Application Services

Step Functions

SWF

API Gateway

Elastic Transcoder



Messaging

SQS

SNS

SES



Business Productivity

WorkDocs

WorkMail

Amazon Chime



Desktop & App Streaming

WorkSpaces

AppStream 2.0

SES Management Console Tom

Secure <https://us-west-2.console.aws.amazon.com/ses/home?region=us-west-2#>

Services Resource Groups Tom Compagno Oregon Support

SES Home

Identity Management Domains Email Addresses Email Sending Sending Statistics Dedicated IPs Configuration Sets SMTP Settings Suppression List Removal Cross-Account Notifications Email Receiving Rule Sets IP Address Filters

 Amazon Simple Email Service

Amazon Simple Email Service enables you to send and receive email using a reliable and scalable email platform.

[Read the documentation.](#)

 Manage Identities

Verify email addresses and domains, send a test email, and configure email-sending settings.

[Go to identity management.](#)

 Monitor Email Sending

View metrics for bounces, complaints, deliveries, and the number of emails you have sent with respect to your sending limits.

[View sending statistics.](#)

 Configure Email Receiving

Set up rules that specify what you want Amazon SES to do with emails it receives on your behalf.

[Go to rule set creation.](#)

Feedback English © 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

SES Management Console

Secure https://us-west-2.console.aws.amazon.com/ses/home?region=us-west-2#verified-senders-email:

Tom

Services Resource Groups

SES Home Identity Management Domains Email Addresses

Email Sending Sending Statistics Dedicated IPs Configuration Sets SMTP Settings Suppression List Removal Cross-Account Notifications

Email Receiving Rule Sets IP Address Filters

Verify a New Email Address Send a Test Email Remove View Details

Search email addresses All identities

No items

You have not verified any email addresses.
To verify an email address, click the Verify a New Email Address button above.

Feedback English

© 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy Terms of Use



Services

Resource Groups



Tom Compagno

Oregon

Support

SES Home

Identity Management

Domains

Email Addresses

Email Sending

Sending Statistics

Dedicated IPs

Configuration Sets

SMTP Settings

Suppression List Removal

Cross-Account Notifications

Email Receiving

Rule Sets

IP Address Filters

Verify a New Email Address

Send a Test Email

Remove

View Details

Search email addresses

All identities

< < No items > >

Verify a New Email Address

You have not verified any email addresses.

To verify a new email address, enter it below and click the **Verify This Email Address** button. A verification email will be sent to the email address you entered.

Email Address: tom.compagno@gmail.com

Cancel

Verify This Email Address



Services

Resource Groups



Tom Compagno

Oregon

Support

SES Home

Identity Management

Domains

Email Addresses

Email Sending

Sending Statistics

Dedicated IPs

Configuration Sets

SMTP Settings

Suppression List

Removal

Cross-Account Notifications

Email Receiving

Rule Sets

IP Address Filters

Verify a New Email Address

Send a Test Email

Remove

View Details

Search email addresses

All identities

< < 1 to 1 of 1 items > >

Verification Email Sent

You have successfully sent a verification email to **tom.compagno@gmail.com**. It may take up to an hour for the verification email to arrive in this user's inbox. The address has been added to the list of Verified Identities with a status of "pending verification" and will be marked as "verified" when the user opens the email message and completes the verification process.

Close

Status

pending verification (resend)



Amazon SES Address Verification Request in region US West (Oregon)

**Amazon Web Services** to me

1:29 PM

Dear Amazon Simple Email Service Customer,

We have received a request to authorize this email address for use with Amazon SES in region US West (Oregon). If you requested this verification, please go to the following URL to confirm that you are authorized to use this email address:

<https://email-verification.us-west-2.amazonaws.com/?AWSAccessKeyId=AKIAJ5XSJM7SMUB2NUTA&Context=854337666006&Identity.IdentityName=tom.compagno%40gmail.com&Identity.IdentityType=EmailAddress&Namespace=Bacon&Operation=ConfirmVerification&Signature=E1uuvr120wqYHaWLMcsKpeU6MNb33Rfv1jbIS%2F6U9E%3D&SignatureMethod=HmacSHA256&SignatureVersion=2&Timestamp=2017-02-26T20%3A29%3A46.154Z>

Your request will not be processed unless you confirm the address using this URL. This link expires 24 hours after your original verification request.

If you did NOT request to verify this email address, do not click on the link. Please note that many times, the situation isn't a phishing attempt, but either a misunderstanding of how to use our service, or someone setting up email-sending capabilities on your behalf as part of a legitimate service, but without having fully communicated the procedure first. If you are still concerned, please forward this notification to ses-enforcement@amazon.com and let us know in the forward that you did not request the verification.

To learn more about sending email from Amazon SES, please refer to the Amazon SES Developer Guide at

Reply



Secure <https://aws.amazon.com/ses/verifysuccess/>

Menu  Products Solutions Pricing Software Support Customers Partners Enterprises Startups More English My Account Sign In to the Console

PRODUCTS & SERVICES

Verification Successful >
Pricing >
Getting Started >
Resources >
FAQs >

RELATED LINKS
Documentation
Management Console
Release Notes
Discussion Forum

Manage Your Resources [Sign In to the Console](#)

Congratulations!

You have successfully verified an email address with Amazon Simple Email Service (Amazon SES). You can now begin sending email from this address.

If you are a new Amazon SES user and have not yet applied for a sending limit increase, then you are still in the [sandbox environment](#) and you can only send email to addresses that you have previously verified. To view your list of verified email addresses, go to the [Amazon SES console](#) or refer to the [Amazon SES Developer Guide](#).

If you have already [applied](#) and been approved for a sending limit increase, then you can send email to any address.

Thank you for using Amazon SES!

[Go to the Amazon SES detail page.](#)

FEATURED PARTNER: DATADOG



See real-time granular metrics from all your AWS services. Try free

PROJECTS ON AWS



Learn how to create an email-receiving pipeline using Amazon SES

FEATURED PARTNER: RACKSPACE

Our engineers have validated their technical expertise with 500+ AWS Certifications achieved. Learn more

aws 500 CERTIFIED
AWS PARTNER NETWORK

Secure <https://us-west-2.console.aws.amazon.com/ses/home?region=us-west-2#verified-senders-email:tom.compagno@gmail.com>

Services Resource Groups

SES Home

Identity Management

Domains

Email Addresses

Email Sending

Sending Statistics

Dedicated IPs

Configuration Sets

SMTP Settings

Suppression List Removal

Cross-Account Notifications

Email Receiving

Rule Sets

IP Address Filters

Verify a New Email Address

Send a Test Email

Remove

View Details

Search email addresses

All identities

1 to 1 of 1 items

Email Address Identities	Status
tom.compagno@gmail.com	pending verification (resend)

SES Management Console Inbox – tom.compagno@gmail.com AWS | Amazon Simple Email Se

Secure https://us-west-2.console.aws.amazon.com/ses/home?region=us-west-2#verified-senders-email:

Services Resource Groups Tom Compagno Oregon Support

SES Home

Identity Management Domains

Email Addresses

Email Sending

Sending Statistics

Dedicated IPs

Configuration Sets

SMTP Settings

Suppression List Removal

Cross-Account Notifications

Email Receiving

Rule Sets

IP Address Filters

Verify a New Email Address Send a Test Email Remove View Details

Search email addresses All identities

	Email Address Identities	Status
<input type="checkbox"/>	tom.compagno@gmail.com	verified

1 to 1 of 1 items

Feedback English © 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Tom

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function>

Services ▾ Resource Groups ▾

History

Search services

Group A-Z

Compute	Migration	Analytics	Application Services
EC2	Application Discovery Service	Athena	Step Functions
EC2 Container Service	DMS	EMR	SWF
Lightsail ↗	Server Migration	CloudSearch	API Gateway
Elastic Beanstalk	Snowball	Elasticsearch Service	Elastic Transcoder
API Gateway		Kinesis	
S3		Data Pipeline	
Lambda		QuickSight ↗	
Batch			
Storage	Developer Tools	Artificial Intelligence	Messaging
S3	CodeCommit	Lex	SQS
EFS	CodeBuild	Polly	SNS
Glacier	CodeDeploy	Rekognition	SES
Storage Gateway	CodePipeline	Machine Learning	
Management Tools			Business Productivity
RDS	CloudWatch		WorkDocs
DynamoDB	CloudFormation		WorkMail
ElastiCache	CloudTrail		Amazon Chime ↗
Redshift	Config		
	OpsWorks		
	Service Catalog		
	Trusted Advisor		
Database			
Internet Of Things			Desktop & App Streaming
		AWS IoT	WorkSpaces
			AppStream 2.0
Game Development			
		Gamelift	

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/functions?display=list>

Services Resource Groups Tom Compagno Oregon Support

AWS Lambda

Dashboard Functions

Lambda > Functions

Create a Lambda function Actions

Filter

	Function name	Description	Runtime	Code size	Last Modified
<input type="radio"/>	creadSFDCLead	send data to sfdc	Node.js 4.3	696 bytes	15 days ago
<input type="radio"/>	processMessages		Python 2.7	759 bytes	last month
<input type="radio"/>	processForm		Python 2.7	532 bytes	last month

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/select-blueprint>

Services Resource Groups

Lambda > New function

Select blueprint

Configure triggers

Configure function

Review

Select blueprint

Blueprints are sample configurations of event sources and Lambda functions. Choose a blueprint that best aligns with your desired scenario and customize as needed, or skip this step if you want to author a Lambda function and configure an event source separately. Except where otherwise noted, blueprints are licensed under CC0.

Select runtime	Filter	<< < Viewing 1-9 of 79 > >>
Blank Function	kinesis-firehose-syslog-to-json	alex-skills-kit-sdk-factskill
Configure your function from scratch. Define the trigger and deploy your code by stepping through our wizard. custom	An Amazon Kinesis Firehose stream processor that converts input records from RFC3164 Syslog format to JSON. nodejs · kinesis-firehose Download	Demonstrate a basic fact skill built with the ASK NodeJS SDK nodejs · alexa Download
kinesis-firehose-apachelog-to-...	cloudfront-modify-response-h...	s3-get-object-python
An Amazon Kinesis Firehose stream processor that converts input records from Apache Common Log format to python2.7 · kinesis-firehose Download	Blueprint for modifying CloudFront response header implemented in NodeJS. nodejs · cloudfront · response header Download	An Amazon S3 trigger that retrieves metadata for the object that has been updated. python2.7 · s3 Download
config-rule-change-triggered	lex-book-trip-python	dynamodb-process-stream

Lambda Management Console × IAM Management Console × Inbox – tom.compagno@gmail.com × AWS | Amazon Simple Email Se × Tom

Secure https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-triggers

Services Resource Groups

Lambda > New function

Select blueprint

Configure triggers

Configure function

Review

Configure triggers

You can choose to add a trigger that will invoke your function.

A diagram showing a grey dashed circle icon with a right-pointing arrow next to an orange Lambda logo icon. To the right of the Lambda icon is the word "Lambda". In the top right corner of the diagram area is a red "Remove" button.

Cancel Previous Next

Feedback English

© 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function>

Services Resource Groups Tom Compagno Oregon Support

Lambda > New function

Select blueprint

Configure triggers

Configure function

Review

Configure function

A Lambda function consists of the custom code you want to execute. [Learn more](#) about Lambda functions.

Name* myFunctionName

Description

Runtime* Node.js 4.3

Lambda function code

Provide the code for your function. Use the editor if your code does not require custom libraries (other than the aws-sdk). If you need custom libraries, you can upload your code and libraries as a .ZIP file. [Learn more](#) about deploying Lambda functions.

Code entry type Edit code inline

```
1 exports.handler = (event, context, callback) => {
2     // TODO implement
3     callback(null, 'Hello from Lambda');
4 };
```

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function>

Services Resource Groups Tom Compagno Oregon Support

Lambda > New function

Select blueprint

Configure triggers

Configure function

Review

Configure function

A Lambda function consists of the custom code you want to execute. [Learn more](#) about Lambda functions.

Name* sendEmail

Description send email to form email account

Runtime* Python 2.7

Lambda function code

Provide the code for your function. Use the editor if your code does not require custom libraries (other than boto3). If you need custom libraries, you can upload your code and libraries as a .ZIP file.

Code entry type Edit code inline

```
1 def lambda_handler(event, context):  
2     # TODO implement  
3     return 'Hello from Lambda'
```

Secure https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function

Lambda function code

Provide the code for your function. Use the editor if your code does not require custom libraries (other than boto3). If you need custom libraries, you can upload your code and libraries as a .ZIP file.

Code entry type Edit code inline ▾

```
1 import boto3
2
3 def lambda_handler(event, context):
4     if not ('email' in event):
5         return {"code": 1, "message": "Must provide an email"}
6
7     toEmail = event['email']
8     fromEmail = "tom.compagno@gmail.com"
9     replyTo = event['email']
10    name = event['first_name']
11    subject = "Thank you - " + name
12    message = "Here is some valuable marketing information!"
13
14    client = boto3.client('ses')
15    response = client.send_email(
16        Source=fromEmail,
17        Destination={
18            'ToAddresses': [
19                toEmail,
20            ],
21        },
22        Message={
23            'Subject': {
24                'Data': subject,
25                'Charset': 'utf8'
26            },
27        }
28    )
29
30    return {"code": 0, "message": "Email sent successfully!"}
```

⚙️ ✖️

```
def lambda_handler(event,  
context):  
  
    toEmail = event['email']  
  
    fromEmail =  
    "tom.compagno@gmail.com"  
  
    replyTo = event['email']  
    name = event['first_name']  
  
    subject = "Thank you - " +  
    name  
  
    message = "Here is some  
    valuable marketing  
    information!"
```

- ◀ Function name is important for lambda to map its call
- ◀ Pull the 'to' email from the event
- ◀ From is our validated SES email
- ◀ Use the same from address for any reply-tos
- ◀ Our subject will be personalized
- ◀ The message is our marketing data



```
client = boto3.client('ses')
response =
    client.send_email(
        Source=fromEmail,
        Destination={
            'ToAddresses': [
                toEmail,
            ],
        },
    ),
```

- ◀ Boto is a popular Python library for AWS SDKs
- ◀ Send the email with a properly formatted package of data
- ◀ Pass our Source and Destination using previous variables



```
Message={  
  'Subject': {  
    'Data': subject,  
    'Charset': 'utf8'  
},  
  
  'Body': {  
    'Text': {  
      'Data': message,  

```

◀ Setup the message

◀ Apply a subject

◀ Apply the main body of our message

◀ Insert our reply to email to finish it



Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function>

and the console's encryption helpers.

Enable encryption helpers

Environment variables Key Value 

Lambda function handler and role

Handler* 

Role* 

Existing role* 

Advanced settings

These settings allow you to control the code execution performance and costs for your Lambda function. Changing your resource settings (by selecting memory) or changing the timeout may impact your function cost. [Learn more](#) about how Lambda pricing works.

Memory (MB)* 

Timeout* min sec

AWS Lambda will automatically retry failed executions for asynchronous invocations. You can additionally optionally configure Lambda to forward payloads that were not processed to a dead-letter queue (DLQ), such as an SQS queue or an SNS topic. Learn more about Lambda's [retry policy](#) and [DLQs](#). Please ensure your role has appropriate permissions to access the DLQ resources.

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function>

Memory (MB) 128

Timeout* 0 min 3 sec

AWS Lambda will automatically retry failed executions for asynchronous invocations. You can additionally optionally configure Lambda to forward payloads that were not processed to a dead-letter queue (DLQ), such as an SQS queue or an SNS topic. Learn more about Lambda's [retry policy](#) and [DLQs](#). Please ensure your role has appropriate permissions to access the DLQ resource.

DLQ Resource Select resource 

All AWS Lambda functions run securely inside a default system-managed VPC. However, you can optionally configure Lambda to access resources, such as databases, within your custom VPC. [Learn more about accessing VPCs within Lambda](#). Please ensure your role has appropriate permissions to configure VPC.

VPC No VPC 

Environment variables are encrypted at rest using a default Lambda service key. You can change the key below to one of your account's keys or paste in a full KMS key ARN.

KMS key (default) aws/lambda 

* These fields are required.

[Cancel](#) [Previous](#) [Next](#)

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/review>

Services Resource Groups

Lambda > New function

Select blueprint

Configure triggers

Configure function

Review

Review

Please review your Lambda function details. You can go back to edit changes for each section. When you are ready, click **Create function** to complete the setup process.

Lambda function

Name sendEmail

Description send email to form email account

Runtime Python 2.7

Environment variables

Handler lambda_function.lambda_handler

Existing role* service-role/lambdaExecutionRole

DLQ Resource

Runtime Python 2.7

Environment variables

Handler lambda_function.lambda_handler

Existing role* service-role/lambdaExecutionRole

DLQ Resource

Memory (MB) 128

Timeout 3

VPC No VPC

KMS key (default) aws/lambda

[Cancel](#)

[Previous](#)

[Export function](#)

[Create function](#)

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/functions/sendEmail?tab=code>

Services Resource Groups

AWS Lambda

Lambda > Functions > sendEmail ARN - arn:aws:lambda:us-west-2:854337666006:function:sendEmail

Dashboard

Functions

Qualifiers Test Actions

Congratulations! Your Lambda function "sendEmail" has been successfully created. You can now click on the "Test" button to input a test event and test your function.

Code Configuration Triggers Monitoring ?

Code entry type Edit code inline

```
1 import boto3
2
3 def lambda_handler(event, context):
4     if not ('email' in event):
5         return {"code": 1, "message": "Must provide an email"}
6
7     toEmail = event['email']
8     fromEmail = "tom.compagno@gmail.com"
9     replyTo = event['email']
10    name = event['first_name']
11    subject = "Thank you - " + name
12    message = "Here is some valuable marketing information!"
13
14    client = boto3.client('ses')
```

Feedback English

© 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Privacy Policy Terms of Use



AWS Lambda

Dashboard

Functions

Lam

Q

C

Input test event



54337666006:function:sendEmail



Use the editor below to enter an event to test your function with. You can edit the event again by choosing **Configure test event** in the Actions list. Note that changes to the event will only be saved locally.

Sample event template

Hello World



```
1 {  
2   "email": "tom.compagno@gmail.com",  
3   "first_name": "Tom"  
4 }
```



The

{

}

}

Su

Cancel

Save

Save and test

single row within the CloudWatch Log group

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/functions/sendEmail?tab=code>

Services Resource Groups

AWS Lambda

Lambda > Functions > sendEmail ARN - arn:aws:lambda:us-west-2:854337666006:function:sendEmail

Qualifiers Test Actions

Code Configuration Triggers Monitoring

Code entry type Edit code inline

```
1 import boto3
2
3 def lambda_handler(event, context):
4     if not ('email' in event):
```

Execution result: failed ([logs](#))

The area below shows the result returned by your function execution.

```
{
  "stackTrace": [
    [
      "/var/task/lambda_function.py",
      35,
      "lambda_handler",
      "replyTo"
    ],
    [
      "FileNotFoundError: [Errno 2] No such file or directory: '/var/task/lambda_function.py'"
    ]
  ]
}
```

Feedback English © 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/functions/sendEmail?tab=code>

Services Resource Groups Tom Compagno Oregon Support

AWS Lambda Lambda > Functions > sendEmail ARN - arn:aws:lambda:us-west-2:854337666006:function:sendEmail

Dashboard Functions

Qualifiers Test Actions

Code Configuration Triggers Monitoring ?

Code entry type Edit code inline

```
1 import boto3
2
3 def lambda_handler(event, context):
4     if not ('email' in event):
```

Request ID 34ceca99-fc66-11e6-8d11-439fc8433ace

Duration 276.06 ms

Billed 300 ms

duration

Resources 128 MB configured

Max memory 27 MB used

START RequestId: 34ceca99-fc66-11e6-8d11-439fc8433ace Version: \$LATEST
An error occurred (AccessDenied) when calling the SendEmail operation: User 'arn:aws:sts::854337666006' is not authorized to perform the action 'ses:SendEmail' on resource 'arn:aws:ses:us-west-2:123456789012:identity/testidentity'
Traceback (most recent call last):
File "/var/task/lambda_function.py", line 35, in lambda_handler
 replyTo
File "/var/runtime/botocore/client.py", line 253, in _api_call
 return self._make_api_call(operation_name, kwargs)
File "/var/runtime/botocore/client.py", line 543, in _make_api_call
 raise error_class(parsed_response, operation_name)

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/create/configure-function>

S3

- Lambda
- Batch
-  Storage
 - S3
 - EFS
 - Glacier
 - Storage Gateway
-  Database
 - RDS
 - DynamoDB
 - ElastiCache
 - Redshift
-  Networking & Content Deliv...
 - VPC
 - CloudFront
 - Direct Connect
 - Route 53

-  Developer Tools
 - CodeCommit
 - CodeBuild
 - CodeDeploy
 - CodePipeline
-  Management Tools
 - CloudWatch
 - CloudFormation
 - CloudTrail
 - Config
 - OpsWorks
 - Service Catalog
 - Trusted Advisor
 - Managed Services
-  Security, Identity & Complia...
 - IAM
 - Inspector
 - Certificate Manager
 - Directory Service
 - WAF & Shield
 - Compliance Reports

- Kinesis
- Data Pipeline
- QuickSight 
-  Messaging
 - SQS
 - SNS
 - SES
-  Artificial Intelligence
 - Lex
 - Polly
 - Rekognition
 - Machine Learning
-  Internet Of Things
 - AWS IoT
-  Game Development
 - GameLift
-  Mobile Services
 - Mobile Hub
 - Cognito
 - Device Farm
 - Mobile Analytics
 - Pinpoint
-  Business Productivity
 - WorkDocs
 - WorkMail
 - Amazon Chime 
-  Desktop & App Streaming
 - WorkSpaces
 - AppStream 2.0

New Clip?



Secure <https://console.aws.amazon.com/iam/home?region=us-west-2#/home>

Services ▾ Resource Groups ▾

Welcome to Identity and Access Management

IAM users sign-in link: [REDACTED] Customize Copy Link

IAM Resources

Users: 2 Roles: 4
Groups: 1 Identity Providers: 0
Customer Managed Policies: 3

Security Status

2 out of 5 complete.

! Delete your root access keys	▼
! Activate MFA on your root account	▼
✓ Create individual IAM users	▼
✓ Use groups to assign permissions	▼
! Apply an IAM password policy	▼

Feature Spotlight

Introduction to AWS IAM  0:00 / 2:16



◀ ⋯ ▶

Additional Information

[IAM documentation](#) [Web Identity Federation Playground](#) [Policy Simulator](#) [Videos, IAM release history and additional resources](#)

Secure <https://console.aws.amazon.com/iam/home?region=us-west-2#/roles>

Services Resource Groups

Create New Role Role Actions

Search IAM

Dashboard Groups Users Roles Policies Identity providers Account settings Credential report Encryption keys

Filter Showing 4 results

<input type="checkbox"/> Role Name	Creation Time
<input type="checkbox"/> aws-elasticbeanstalk-ec2-role	2017-02-08 09:20 MST
<input type="checkbox"/> aws-elasticbeanstalk-service-role	2017-02-08 09:20 MST
<input type="checkbox"/> lambdaExecutionRole	2017-01-18 14:09 MST
<input type="checkbox"/> lambdaRole	2016-07-16 16:10 MST

Refresh Settings Help

Secure <https://console.aws.amazon.com/iam/home?region=us-west-2#/roles/lambdaExecutionRole>

Services Resource Groups

IAM > Roles > lambdaExecutionRole

Summary

Role ARN: arn:aws:iam::854337666006:role/service-role/lambdaExecutionRole

Instance Profile ARN(s)

Path: /service-role/

Creation Time: 2017-01-18 14:09 MST

Permissions Trust Relationships Access Advisor Revoke Sessions

Managed Policies

The following managed policies are attached to this role. You can attach up to 10 managed policies.

Attach Policy

Policy Name	Actions
AWSLambdaBasicExecutionRole-3bf806fd-6109-41d3-b5e9-d53ce0c7f0bf	Show Policy Detach Policy Simulate Policy

Inline Policies

Secure https://console.aws.amazon.com/iam/home?region=us-west-2#/roles/lambdaExecutionRole

Services Resource Groups

Attach Policy

Attach Policy

Select one or more policies to attach. Each role can have up to 10 policies attached.

	Policy Name	Attached Entities	Creation Time	Edited Time
<input type="checkbox"/>	AWSElasticBeanstalkEnhanc...	1	2016-02-08 16:17 MST	2016-08-22 14:28 MST
<input type="checkbox"/>	AWSElasticBeanstalkFullAcc...	1	2015-02-06 11:40 MST	2016-12-20 18:00 MST
<input type="checkbox"/>	AWSElasticBeanstalkMultico...	1	2016-02-08 16:15 MST	2016-06-06 17:45 MST
<input type="checkbox"/>	AWSElasticBeanstalkService	1	2016-04-11 14:27 MST	2017-02-22 14:12 MST
<input type="checkbox"/>	AWSElasticBeanstalkWebTier	1	2016-02-08 16:08 MST	2016-12-20 19:06 MST
<input type="checkbox"/>	AWSElasticBeanstalkWorker...	1	2016-02-08 16:12 MST	2016-12-20 19:01 MST
<input type="checkbox"/>	AWSLambdaBasicExecution...	1	2016-07-16 16:10 MST	2016-07-16 16:10 MST
<input type="checkbox"/>	AWSLambdaMicroserviceEx...	1	2016-07-16 16:10 MST	2016-07-16 16:10 MST
<input type="checkbox"/>	AdministratorAccess	0	2015-02-06 11:39 MST	2015-02-06 11:39 MST

Filter: Policy Type Filter Showing 253 results

Cancel Attach Policy

Secure https://console.aws.amazon.com/iam/home?region=us-west-2#/roles/lambdaExecutionRole

Services Resource Groups

Attach Policy

Select one or more policies to attach. Each role can have up to 10 policies attached.

Filter: Policy Type		ses			Showing 2 results	
		Policy Name	Attached Entities	Creation Time	Edited Time	
<input type="checkbox"/>		AmazonSESFullAccess	0	2015-02-06 11:41 MST	2015-02-06 11:41 MST	
<input type="checkbox"/>		AmazonSESReadOnlyAccess	0	2015-02-06 11:41 MST	2015-02-06 11:41 MST	

Cancel Attach Policy

Secure https://console.aws.amazon.com/iam/home?region=us-west-2#/roles/lambdaExecutionRole

Services Resource Groups

Attach Policy

Select one or more policies to attach. Each role can have up to 10 policies attached.

Filter: Policy Type		ses			Showing 2 results	
		Policy Name	Attached Entities	Creation Time	Edited Time	
<input checked="" type="checkbox"/>		AmazonSESFullAccess	0	2015-02-06 11:41 MST	2015-02-06 11:41 MST	
<input type="checkbox"/>		AmazonSESReadOnlyAccess	0	2015-02-06 11:41 MST	2015-02-06 11:41 MST	

Cancel Attach Policy

Secure <https://console.aws.amazon.com/iam/home?region=us-west-2#/roles/lambdaExecutionRole>

Services Resource Groups

IAM > Roles > lambdaExecutionRole

Summary

Role ARN: arn:aws:iam::854337666006:role/service-role/lambdaExecutionRole

Instance Profile ARN(s)

Path: /service-role/

Creation Time: 2017-01-18 14:09 MST

Permissions Trust Relationships Access Advisor Revoke Sessions

Managed Policies

The following managed policies are attached to this role. You can attach up to 10 managed policies.

Attach Policy

Policy Name	Actions
AmazonSESFullAccess	Show Policy Detach Policy Simulate Policy
AWSLambdaBasicExecutionRole-3bf806fd-6109-41d3-b5e9-d53ce0c7f0bf	Show Policy Detach Policy Simulate Policy

Secure <https://us-west-2.console.aws.amazon.com/lambda/home?region=us-west-2#/functions/sendEmail?tab=code>

Services Resource Groups

AWS Lambda

Lambda > Functions > sendEmail ARN - arn:aws:lambda:us-west-2:854337666006:function:sendEmail

Qualifiers Test Actions

Code Configuration Triggers Monitoring

Code entry type Edit code inline

```
1 import boto3
2
3 def lambda_handler(event, context):
4     if not ('email' in event):
```

Execution result: failed ([logs](#))

The area below shows the result returned by your function execution.

```
{
  "stackTrace": [
    [
      "/var/task/lambda_function.py",
      35,
      "lambda_handler",
      "replyTo"
    ],
    [
      "FileNotFoundError: [Errno 2] No such file or directory: '/var/task/lambda_function.py'"
    ]
  ]
}
```

Feedback English © 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Services ▾ Resource Groups ▾

AWS Lambda

Lambda > Functions > sendEmail ARN - arn:aws:lambda:us-west-2:854337666006:function:sendEmail

Dashboard

Functions

Qualifiers ▾ Test Actions ▾

Code Configuration Triggers Monitoring ?

Code entry type Edit code inline

```
1 import boto3
2
3 def lambda_handler(event, context):
4     if not ('email' in event):
5         return {"code": 1, "message": "Must provide an email"}
6
7     toEmail = event['email']
8     fromEmail = "tom.compagno@gmail.com"
```

Execution result: succeeded (logs)

The area below shows the result returned by your function execution.

```
{  
    "message": "Success",  
    "code": 200  
}
```

Today



Thank you - Tom



me to me

Here is some valuable marketing information!

1:58 PM



SES Email

First name is Tom, sample email from our Lambda test



History

Lambda

SES

Console Home

Elastic Beanstalk

API Gateway

S3

Search services

Group

A-Z

Compute

- EC2
- EC2 Container Service
- Lightsail ↗
- Elastic Beanstalk
- Lambda
- Batch

Storage

- S3
- EFS
- Glacier
- Storage Gateway

Database

- RDS
- DynamoDB
- ElastiCache
- Redshift

Migration

- Application Discovery Service
- DMS
- Server Migration
- Snowball

Developer Tools

- CodeCommit
- CodeBuild
- CodeDeploy
- CodePipeline

Management Tools

- CloudWatch
- CloudFormation
- CloudTrail
- Config
- OpsWorks
- Service Catalog
- Trusted Advisor

Analytics

- Athena
- EMR
- CloudSearch
- Elasticsearch Service
- Kinesis
- Data Pipeline
- QuickSight ↗

Artificial Intelligence

- Lex
- Polly
- Rekognition
- Machine Learning

Internet Of Things

- AWS IoT

Game Development

- Gamelift

Application Services

- Step Functions
- SWF
- API Gateway
- Elastic Transcoder

Messaging

- SQS
- SNS
- SES

Business Productivity

- WorkDocs
- WorkMail
- Amazon Chime ↗

Desktop & App Streaming

- WorkSpaces
- AppStream 2.0

API Gateway IAM Management Console Inbox – tom.compagno@gmail.com AWS | Amazon Simple Email Se

Secure https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis

Services Resource Groups Tom Compagno Oregon Support

Amazon API Gateway APIs Show all hints ?

APIs

Create API

leads-distribution
No description.

pl-test
No description.

leads-distribution

pl-test

Usage Plans ●

API Keys

Custom Domain Names

Client Certificates

Settings

Feedback English

© 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/pwatlmvn5k>

Services ▾ Resource Groups ▾

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > / (pwatlmvn5k) Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions ▾

/ Methods

No methods defined for the resource.

Resources

/

- /process-form POST
- /sfdc-lead POST
- /slack-support POST

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/pwatlmvn5k>

Services ▾ Resource Groups ▾

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > / (pwatlmvn5k) Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions / Methods

RESOURCES ACTIONS

- Create Method
- Create Resource
- Enable CORS
- Edit Resource Documentation

API ACTIONS

- Deploy API
- Import API
- Edit API Documentation
- Delete API

No methods defined for the resource.

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/pwatlmvn5k/create>

Services ▾ Resource Groups ▾ Tom Compagno ▾ Oregon ▾ Support ▾

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > / (pwatlmvn5k) > Create Show all hints ?

APIs

leads-distribution

Resources

Stages

Authorizers

Models

Documentation

Binary Support

Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions ▾

New Child Resource

Use this page to create a new child resource for your resource.

Configure as proxy resource ⓘ

Resource Name* My Resource

Resource Path* / my-resource

You can add path parameters using brackets. For example, the resource path **{username}** represents a path parameter called 'username'. Configuring /{proxy+} as a proxy resource catches all requests to its sub-resources. For example, it works for a GET request to /foo. To handle requests to /, add a new ANY method on the / resource.

Enable API Gateway CORS ⓘ

* Required

[Cancel](#) [Create Resource](#)

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/pwatlmvn5k/create>

Services Tom Compagno Oregon

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > / (pwatlmvn5k) > Create Show all hints

APIs

leads-distribution

Resources

Stages

Authorizers

Models

Documentation

Binary Support

Dashboard

pl-test

Usage Plans

API Keys

Custom Domain Names

Client Certificates

Settings

Actions

Resources

/

/process-form POST

/sfdc-lead POST

/slack-support POST

New Child Resource

Use this page to create a new child resource for your resource.

Configure as proxy resource

Resource Name*

Resource Path*

You can add path parameters using brackets. For example, the resource path **{username}** represents a path parameter called 'username'. Configuring **/{proxy+}** as a proxy resource catches all requests to its sub-resources. For example, it works for a GET request to **/foo**. To handle requests to **/**, add a new ANY method on the **/** resource.

Enable API Gateway CORS

* Required

[Cancel](#) [Create Resource](#)

API Gateway IAM Management Console Inbox – tom.compagno@gmail.com AWS | Amazon Simple Email Se

Secure https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q

Services Resource Groups Tom Compagno Oregon Support

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) Show all hints ?

APIs

leads-distribution

Resources

Stages

Authorizers

Models

Documentation

Binary Support

Dashboard

pl-test

Usage Plans

API Keys

Custom Domain Names

Client Certificates

Settings

Actions /send-email Methods

No methods defined for the resource.

/

/process-form POST

/send-email

/sfdc-lead POST

/slack-support POST

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/pwatlmvn5k>

Services ▾ Resource Groups ▾

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > / (pwatlmvn5k) Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions / Methods

RESOURCES ACTIONS

- Create Method
- Create Resource
- Enable CORS
- Edit Resource Documentation

API ACTIONS

- Deploy API
- Import API
- Edit API Documentation
- Delete API

No methods defined for the resource.

API Gateway IAM Management Console Inbox – tom.compagno@gmail.com AWS | Amazon Simple Email Se

Secure https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q

Services Resource Groups Tom Compagno Oregon Support

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) Show all hints ?

APIs

leads-distribution

Resources

Stages

Authorizers

Models

Documentation

Binary Support

Dashboard

pl-test

Usage Plans

API Keys

Custom Domain Names

Client Certificates

Settings

Actions

/send-email Methods

No methods defined for the resource.

/

- /process-form POST
- /send-email POST
- /sfdc-lead POST
- /slack-support POST

Feedback English © 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

API Gateway IAM Management Console Inbox – tom.compagno@gmail.com AWS | Amazon Simple Email Se

Secure https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q

Services Resource Groups Tom Compagno Oregon Support

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) Show all hints ?

APIs

leads-distribution

Resources

Stages

Authorizers

Models

Documentation

Binary Support

Dashboard

pl-test

Usage Plans ●

API Keys

Custom Domain Names

Client Certificates

Settings

Actions ▾

/send-email Methods

No methods defined for the resource.

/

/process-form POST

/send-email POST

/sfdc-lead POST

/slack-support POST

Feedback English © 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services Tom Compagno Oregon

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints

APIs Resources Actions **/send-email - POST - Setup**

leads-distribution Resources Stages Authorizers Models Documentation Binary Support Dashboard pl-test Usage Plans API Keys Custom Domain Names Client Certificates Settings

Choose the integration point for your new method.

Integration type Lambda Function
 HTTP
 Mock
 AWS Service

Use Lambda Proxy integration

Lambda Region

Save

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services ▾ Resource Groups ▾

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions ▾

/send-email - POST - Setup

Choose the integration point for your new method.

Integration type Lambda Function [i](#)

HTTP [i](#)

Mock [i](#)

AWS Service [i](#)

Use Lambda Proxy integration [i](#)

Lambda Region us-west-2

Lambda Function myLambdaFunctionName [i](#)

Save

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services Resource Groups

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions ▾

Resources Actions ▾

• /send-email - POST - Setup

Choose the integration point for your new method.

Integration type Lambda Function [i](#)

HTTP [i](#)

Mock [i](#)

AWS Service [i](#)

Use Lambda Proxy integration [i](#)

Lambda Region us-west-2

Lambda Function se [i](#)

sendEmail

Save

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services Resource Groups

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans

API Keys

Custom Domain Names

Client Certificates

Settings

Actions Resources Actions

/send-email - POST - Setup

Choose the integration point for your new method.

Integration type Lambda Function [i](#)

HTTP [i](#)

Mock [i](#)

AWS Service [i](#)

Use Lambda Proxy integration [i](#)

Lambda Region us-west-2

Lambda Function sendEmail [i](#)

Save

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services Resource Groups Tom Compagno Oregon Support

Amazon API Gateway APIs > leads-distribution

APIs

leads-distribution

Resources

Stages

Authorizers

Models

Documentation

Binary Support

Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Add Permission to Lambda Function

You are about to give API Gateway permission to invoke your Lambda function:
arn:aws:lambda:us-west-2:854337666006:function:sendEmail

Cancel OK

Use Lambda Proxy integration i

Lambda Region us-west-2

Lambda Function sendEmail i

Save

Feedback English

© 2008 - 2017, Amazon Web Services, Inc. or its affiliates. All rights reserved.

Show all hints ?

Services ▾ Resource Groups ▾

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints ?

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans •

API Keys

Custom Domain Names

Client Certificates

Settings

Actions ▾

Resources Actions ▾

● /send-email - POST - Method Execution

Method Request TEST Client

Auth: NONE

ARN: arn:aws:execute-api:us-west-2:854337666006:osnwyloac5/*/P email

Integration Request

Type: LAMBDA

Region: us-west-2

Method Response

HTTP Status: 200

Models: application/json => Empty

Integration Response

HTTP status pattern: -

Output passthrough: Yes

Lambda sendEmail

```
graph LR; Client -- "Method Request" --> APIGateway[API Gateway]; APIGateway -- "Integration Request" --> Lambda[Lambda sendEmail]; Lambda -- "Method Response" --> APIGateway; APIGateway -- "Method Response" --> Client;
```

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services Resource Groups Tom Compagno Support

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints

APIs

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans

API Keys

Custom Domain Names

Client Certificates

Settings

Resources Actions

You can add them via method requests.

Stage Variables

No stage variables exist for this method.

Request Body

```
1 {  
2   "email": "tom  
     .compagno@gmail.com",  
3   "first_name": "Thomas"  
4 }
```

Test

Secure <https://us-west-2.console.aws.amazon.com/apigateway/home?region=us-west-2#/apis/osnwyloac5/resources/oclg8q/methods/POST>

Services Tom Compagno Oregon

Amazon API Gateway APIs > leads-distribution (osnwyloac5) > Resources > /send-email (oclg8q) > POST Show all hints

APIs Resources Actions Method Execution /send-email - POST - Method Test

leads-distribution

Resources

- Stages
- Authorizers
- Models
- Documentation
- Binary Support
- Dashboard

pl-test

Usage Plans

API Keys

Custom Domain Names

Client Certificates

Settings

Resources

- /
- /process-form
- /send-email (selected)
- /sfdc-lead
- /slack-support

Actions

Method Execution /send-email - POST - Method Test

Make a test call to your method with the provided input

Path
No path parameters exist for this resource.
You can define path parameters by using the syntax {myPathParam} in a resource path.

Request: /send-email
Status: 200
Latency: 372 ms

Query Strings
No query string parameters exist for this method. You can add them via Method Request.

Response Body

```
{  
  "message": "Success",  
  "code": 200  
}
```

Headers
No header parameters exist for this method.
You can add them via Method Request.

Response Headers

```
{"X-Amzn-Trace-Id":"Root=1-58b34257-df79c2bd7d708118ad636d49","Content-Type":"application/json"}
```

Stage Variables
No stage variables exist for this method.

Logs

```
Execution log for request test-request  
Sun Feb 26 21:02:15 UTC 2017 : Starting execution  
for request: test-invoke-request
```

Request Body

Thank you - Thomas



me to me ↗

2:02 PM



Here is some valuable marketing information!

SES Email

First name is Thomas, sample email from our API Gateway test



Summary



Basic SES configuration

Lambda function to gather data and send email with SES

Wrap our function with an API endpoint for consistency

Now have services to do:

- Send email
- Add lead to Salesforce
- Send message to Slack

