<https://aws.amazon.com/blogs/messaging-and-targeting/forward-incoming-email-to-an-external-destination/>

<https://infra.engineer/aws/11-using-gmail-with-your-domain-utilising-amazon-ses-lambda>

Step 1: setup domain and verify

SES Home

Verify Domain (this sets up routes in your route 53 record)

Step 2: create AWS S3 bucket (<https://console.aws.amazon.com/s3/>.)

Tutorial on S3: <https://docs.aws.amazon.com/AmazonS3/latest/gsg/SigningUpforS3.html>

* Add this folder in Overview > add folder
* Add policy: Permissions > bucket policy >

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "AllowSESPuts",

"Effect": "Allow",

"Principal": {

"Service": "ses.amazonaws.com"

},

"Action": "s3:PutObject",

"Resource": "arn:aws:s3:::shsu-bucket-inspire/\*",

"Condition": {

"StringEquals": {

"aws:Referer": "597407336730"

}

}

}

]

}

Step 3: Create Lambda Function

* Download this github: <https://github.com/arithmetric/aws-lambda-ses-forwarder>
* Create using Node 10
* Within Index.js, edit the top with the below code
* Zip up the contents of the folder and then upload to Lambda

var defaultConfig = {

fromEmail: "stephen@inspireai.io",

subjectPrefix: "",

emailBucket: "shsu-bucket-inspire",

emailKeyPrefix: "emails/",

forwardMapping: {

"stephen@inspireai.io": [

"hsukes99@gmail.com"

],

"@inspireai.io": [

"hsukes99@gmail.com"

]

}

};

Step 4: Edit the IAM policy:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_create.html> (tutorial)

<https://console.aws.amazon.com/iam/home?#/home> <- console (none of those two links used for this particular method)

* Go to the IAM console in the Lambda
* view role
* click on the policy
* Then edit policy to have this

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Action": [

"logs:CreateLogGroup",

"logs:CreateLogStream",

"logs:PutLogEvents"

],

"Resource": "arn:aws:logs:us-east-1:597407336730:log-group:/aws/lambda/ses\_lambda\_nov\_8\_infra\_engineer"

},

{

"Effect": "Allow",

"Action": "ses:SendRawEmail",

"Resource": "\*"

},

{

"Effect": "Allow",

"Action": [

"s3:GetObject",

"s3:PutObject"

],

"Resource": "arn:aws:s3:::shsu-bucket-inspire/\*"

}

]

}

"arn:aws:logs:us-east-1:597407336730:log-group:/aws/lambda/ses\_lambda\_nov\_8\_david:\*"

Step 5: SES

<https://docs.aws.amazon.com/ses/latest/DeveloperGuide/receiving-email-receipt-rules.html>

Add s3 action + lambda (event)

Under **Recipients**, specify the incoming email address or domain for which you want to set up a receipt rule.

Step 6: Make Gmail Use the Domain

Pin wheel > accounts and imports > add account > put in the email domain > add the information

<https://infra.engineer/aws/11-using-gmail-with-your-domain-utilising-amazon-ses-lambda> <- best

Gmail P1: <https://support.google.com/mail/answer/22370?hl=en>

Gmail P2: <https://support.google.com/a/answer/1710338?ctx=gmail&hl=en&authuser=0&visit_id=637087950684557482-3627175897&rd=1>

Settings -> change default email

Step 7: add another recipient

Rule sets > add recipient

Same bucket (add new folder for David) but change for a new lambda function?

Remove the entire @symbol for Stephen lambda function?

var defaultConfig = {

fromEmail: "david@inspireai.io",

subjectPrefix: "",

emailBucket: "shsu-bucket-inspire",

emailKeyPrefix: "david/",

forwardMapping: {

"david@inspireai.io": [

"hsukes99@gmail.com"

]

}

};

Backup blog:

<http://www.daniloaz.com/en/use-gmail-with-your-own-domain-for-free-thanks-to-amazon-ses-lambda/>