Simple Email Services DOC

Steps involved in SES account setup:

1, Domain verification
2, Email verification
3, PF and Domain-based Message Authentication, Reporting and Conformance (DMARC)
4, Create Bounces & Complaints in Notifications
5, Move from sandbox
6, Create SMTP credentials

Domain verification:

- Go to SES dashboard in AWS https://go.aws/3nTcKcX
- Check the region before you proceed with the setup
- Click verify a new domain
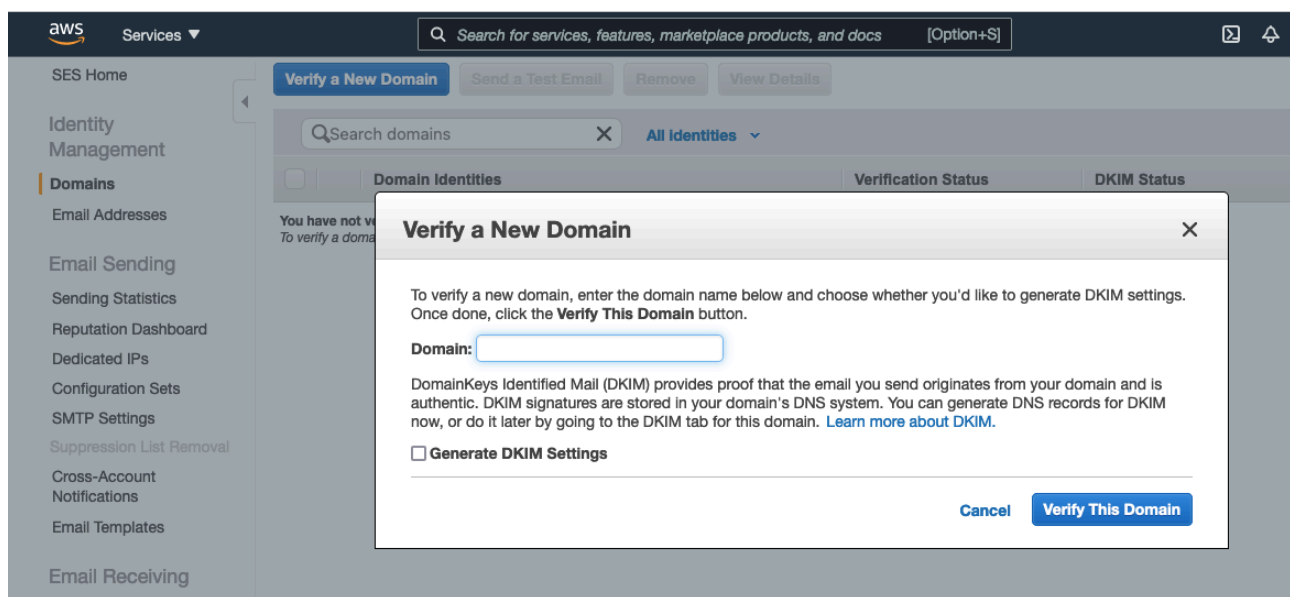
- Enter the domain and select Generate DKIM Settings
- Then click verify this domain
- Now Copy the TXT record and add in the DNS to verify the domain
- Next copy the CNAME records of DKIM and add in the DNS
- Now it will take 24 - 72 hours to verify the domain and it's DKIM

Note: While copying the TXT and DKIM records from the left column (Name section) make sure you don't copy .domain name and in the right column (Value section) copy the entire item.

Example: __amazonses.domain.com copy only _amazonses
3s4lrnzrhyoswxq4ygr5by53irhq57v3._domainkey.mydabb.com copy only
3s4lrnzrhyoswxq4ygr5by53irhq57v3._domainkey

3s4lrnzrhyoswxq4ygr5by53irhq57v3.dkim.amazonses.com copy the entire line and add it in the DNS.

Email verification:

- Click Email Addresses button from the left side panel
- Click verify a new email address
- Enter the email address you want to verify and click verify this email address

SPF and Domain-based Message Authentication, Reporting and Conformance (DMARC):

- Next in the DNS add the below given records

SPF Record:
type: txt
Name: @
Value: v=spf1 include:amazonses.com include:_spf.google.com ~all

DMARC Record:
type: txt
Name: _dmarc
Value: v=DMARC1; p=reject; rua=mailto:support@domain.com (Add the mail id of which you have verified in the AWS console)

Create Bounces & Complaints in Notifications:

1. Go to AWS ses console
2. Click the verified domain and scroll down
3. Click Notifications
4. Then click edit configuration
5. Now Click here to create a new Amazon SNS topic button
6. In the Topic and Display name enter the Name Bounces
7. Then create the topic
8. Repeat the 5 and 6 step instead of Bounces now enter the name Complaints
9. Attach the Bounces to Bounce Notifications SNS Topic and Complaints to Complaint Notifications SNS Topic under Notifications

Create New Topic   ✕

A topic name will be used to create a permanent unique identifier called an Amazon Resource Name (ARN).

Topic Name *: [   ]

Up to 256 alphanumeric characters, hyphens (-) and underscores (_) allowed.

Display Name: [   ]

Required for SMS subscriptions (can be up to 100 characters). Optional for other transports.

Cancel   **Create Topic**

Move from sandbox:

We should move out of the sandbox in order to send mails to different organization like from <u>server@macappstudio.com</u> to @yahoo.com, @microsoft.com, @gmail.com etc.

- Click Sending Statistics from the left panel in AWS SES console under Email Sending
- Click edit your accounts details
- Choose Yes in Enable Production Access
- Enter the website url and Additional contact addresses details

- Now in the case description give the details attached below
- Click I agree to the AWS services and Click submit for review

AWS SES support team will review your details and will enable the production access. if it's not enabled they will ask for more details and submit the details once again with more details.

case description details:

Hi Team,

We have planned to send Mails to our customers, to send mails out of the organization we wanted to move SES account out of sandbox.

We have planned to send mail using the PHPMailer function with SMTP credentials which we get from the SES AWS console.
Example : OTP, Notifications for that specific user with respect to our application platform and a welcome note.

We are building a mobile application in which we will collect the contact details of the user during the signup process. We ask the user to double confirm the mail by entering it twice. We send mails to our customers where their mail id is stored in our database during the signup process.

We have created bounces and complaints in SNS topic in the Mumbai region. We will be handling high bounce rate by implementing a "Bounce rate monitoring system" as mentioned in the link: https://aws.amazon.com/premiumsupport/knowledge-center/ses-high-bounce-rate/"

Also we have modified our SES policy by adding the below policy by following the below link to send mails only from our AWS Elastic ip of EC2 instance https://docs.aws.amazon.com/ses/latest/DeveloperGuide/control-user-access.html#iam-and-ses-restrict-API-usage

We will provide an option to unsubscribe in all our emails. We will have a mailing list in our database, If a user is not interested in our service he/she can choose to opt out from our service. We will then remove that user from our mailing list.

Please do the needful help and move away from sandbox so that we can send mails to all our customers.

Regards,

Before Production Access:

After Production Access:

Create SMTP credentials:

1. Now in the AWS SES console click SMTP settings under Email sending
2. Click create My SMTP credentials
3. Now it's redirected to IAM and then click create
4. Copy the SMTP username and SMTP Password and then Download the credentials and save the CSV file
5. Now go to IAM user console
6. Go to the SES user here ses-smtp-user.20211028-140729
7. Under permission tab click inline policy
8. Click JSON
9. Remove the previous policy
10. Add the below given policy to send mails from the particular ip
11. Replace with your Ec2 ip in the place of ip address

12. Click Review policy and the policy is added
13. Now share the SMTP username and SMTP password which you got in the 4th step. Also share the Host and Email like below

SMTP Username: AKIARQNLXNFJ63F6AAXG

SMTP Password: BM3PblDgTeRF1VuoesROzrDi5AVlk3yNDcAohN4xEK6F

Host: email-smtp.ap-south-1.amazonaws.com

EMail: support@domain.com

4th step SMTP username and SMTP Password:

Create User for SMTP

☑ Your 1 User(s) have been created successfully.
This is the only time these SMTP security credentials will be available for download. Credentials for SMTP users are only available when creating the user. For your protection, you should never share your SMTP credentials with anyone.

▼ Hide User SMTP Security Credentials

ses-smtp-user.20211028-140729

SMTP Username: AKIAXYQMUAELAKHK7TZ2
SMTP Password: BHRu1h05tyYFGVioQEOPbYDbuMhYnua4DVJu9OwX3Gyl

Close **Download Credentials**

7th step inline policy:

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "ses:SendEmail",
        "ses:SendRawEmail"
      ],
      "Resource": "*",
      "Condition": {
        "IpAddress": {
          "aws:SourceIp": [
            "ip address"
          ]
        }
      }
    }
  ]
}
```