

## SNS Topic with Subscription

Resource.tf file:-

```
resource "aws_sns_topic"
  "test"{ name = "prat"
}

resource "aws_sns_topic_subscription" "test"
{ topic_arn = aws_sns_topic.test.arn
  protocol = "email"
  endpoint = "pratikborge37@gmail.com"
}
```

Created Resources:-

### Planning and applying

```
pratik@TheRock:~/mnt/c/Users/pratik/Desktop/Terraform/s3bucket$ terraform plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the
following symbols:
+ create

Terraform will perform the following actions:

# aws_sns_topic.test will be created
+ resource "aws_sns_topic" "test" {
  + arn                        = (known after apply)
  + beginning_archive_time    = (known after apply)
  + content_based_deduplication = false
  + fifo_topic                = false
  + id                        = (known after apply)
  + name                      = "prat"
  + name_prefix               = (known after apply)
  + owner                     = (known after apply)
  + policy                    = (known after apply)
  + signature_version         = (known after apply)
  + tags_all                  = (known after apply)
  + tracing_config            = (known after apply)
}

# aws_sns_topic_subscription.test will be created
+ resource "aws_sns_topic_subscription" "test" {
  + arn                        = (known after apply)
  + confirmation_timeout_in_minutes = 1
  + confirmation_was_authenticated = (known after apply)
  + endpoint                  = "pratikborge37@gmail.com"
  + endpoint_auto_confirms    = false
  + filter_policy_scope       = (known after apply)
  + id                        = (known after apply)
  + owner_id                  = (known after apply)
  + pending_confirmation      = (known after apply)
  + protocol                  = "email"
  + raw_message_delivery      = false
  + topic_arn                 = (known after apply)
}

Plan: 2 to add, 0 to change, 0 to destroy.
```

Created Topic:-

The screenshot shows the Amazon SNS console interface. On the left, there is a navigation menu with options: Dashboard, Topics (selected), Subscriptions, Mobile, Push notifications, Text messaging (SMS), and Origination numbers. The main content area displays a 'New Feature' banner at the top, followed by the 'Topics' section. A table titled 'Topics (1)' shows one topic named 'prat' with a 'Standard' type and an ARN of 'arn:aws:sns:ap-southeast-1:471112957025:prat'. Above the table, there are buttons for 'Edit', 'Delete', 'Publish message', and 'Create topic'. A search bar is also present above the table.

## Created Subscription:-

The screenshot shows the AWS IAM console interface. At the top, there's a navigation bar with the user 'pratikborage @ therock7' and the region 'Singapore'. The main content area is titled 'prat' and includes buttons for 'Edit', 'Delete', and 'Publish message'. Below this, the 'Details' section shows the topic's name, ARN, type, and topic owner. A horizontal menu below the details includes 'Subscriptions', 'Access policy', 'Data protection policy', 'Delivery policy (HTTP/S)', 'Delivery status logging', 'Encryption', and 'Tags'. The 'Subscriptions' tab is active, showing a table with one subscription in a 'Pending confirmation' state. The table has columns for ID, Endpoint, Status, and Protocol.

ID	Endpoint	Status	Protocol
Pending confirmation	pratikborge37@gmail.com	Pending confirmation	EMAIL

## Subscription confirmation email:-

The screenshot shows an email from 'AWS Notifications' with the subject 'AWS Notification - Subscription Confirmation'. The email body informs the user that they have chosen to subscribe to a topic and provides a link to confirm the subscription. It also includes a note about not replying directly to the email and a link to opt-out.

**AWS Notifications** <no-reply@sns.amazonaws.com> to me

You have chosen to subscribe to the topic:  
**arn:aws:sns:ap-southeast-1:471112957025:prat**

To confirm this subscription, click or visit the link below (if this was in error no action is necessary):  
[Confirm subscription](#)

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

Buttons: Reply, Forward, and a smiley face icon.