

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's a navigation menu with options like Dashboard, Topics, Subscriptions, and Mobile. The main area displays the 'Topics (1)' section. At the top, there's a search bar and buttons for 'Edit', 'Delete', 'Publish message', and 'Create topic'. Below this, a table lists the topics. The table has columns for Name, Type, and ARN. One topic is listed with the name 'prat', Type 'Standard', and ARN 'arn:aws:sns:ap-southeast-1:471112957025:prat'.

Name	Type	ARN
prat	Standard	arn:aws:sns:ap-southeast-1:471112957025:prat

Created Subscription:-

The screenshot shows the AWS IAM console interface for a topic named 'prat'. The top navigation bar includes the AWS logo, a search bar, and user information for 'pratikborge @ therock7' in the 'Singapore' region. The main content area is titled 'prat' and includes buttons for 'Edit', 'Delete', and 'Publish message'. Below this is a 'Details' section with the following information:

Name	prat
Display name	-
ARN	arn:aws:sns:ap-southeast-1:471112957025:prat
Topic owner	471112957025
Type	Standard

Below the details section are tabs for 'Subscriptions', 'Access policy', 'Data protection policy', 'Delivery policy (HTTP/S)', 'Delivery status logging', 'Encryption', and 'Tags'. The 'Subscriptions' tab is active, showing a list of subscriptions. There is one subscription in a 'Pending confirmation' state with the endpoint 'pratikborge37@gmail.com' and protocol 'EMAIL'. The interface includes a search bar, pagination controls (showing 1 item), and buttons for 'Edit', 'Delete', 'Request confirmation', 'Confirm subscription', and 'Create subscription'.

Subscription confirmation email:-

The screenshot shows an email titled 'AWS Notification - Subscription Confirmation' from 'AWS Notifications' to the user. The email body contains the following text:

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](#)

The email interface includes a header with the subject and sender, a timestamp of '2:01PM (4 minutes ago)', and icons for star, smiley, reply, and more options. At the bottom, there are buttons for 'Reply', 'Forward', and a smiley icon.