

TASK – 12

SNS

- SNS – Simple Notification Service
- It's a push-based mechanism and it uses publisher and subscriber model. Allowing a single message to be pushed to multiple endpoints.
- SNS provide "topic" a message channel. It fans out the message to all subscribed endpoints.

The screenshot shows the AWS SNS Topics page. On the left, there is a sidebar with options like Dashboard, Topics (which is selected and highlighted in blue), Subscriptions, and Mobile (Push notifications and Text messaging (SMS)). The main content area has a header 'Topics (1)'. Below it is a table with one row, showing a topic named 'my_topics' which is of type 'Standard'. The ARN for this topic is listed as 'arn:aws:sns:ap-southeast-1:393827457998:my...'. There are buttons for Edit, Delete, Publish message, and Create topic.

The screenshot shows the AWS SNS Subscription confirmation page. The URL in the address bar is 'sns.ap-southeast-1.amazonaws.com/confirmation.html?TopicArn=arn:aws:sns:ap-southeast-1:393827457998:my_topics&Token=2336412f37fb687fd51e6e2425a8a5971fd3c0849dd1068c66875628e749...'. The page displays a green box with the heading 'Subscription confirmed!' and the message 'You have successfully subscribed.' It also shows the subscription ID: 'arn:aws:sns:ap-southeast-1:393827457998:my_topics:22fc81cd-1e30-467b-8c47-70900886ca5'. At the bottom, it says 'If it was not your intention to subscribe, [click here to unsubscribe](#)'.

The screenshot shows the AWS SNS 'Subscription' details page. The top navigation bar includes tabs for SLA, Subscription: 22fc81cd-1e30-4f, Upload objects - S3 bucket my..., Inbox (589) - vmrubi310504@gmail.com, and Subscription confirm. The main content area displays a 'New Feature' banner about High Throughput FIFO topics. Below it, the subscription details for 'Subscription: 22fc81cd-1e30-467b-8c47-7090d086cac5' are shown. The 'Details' section includes fields for ARN (arn:aws:sns:ap-southeast-1:393827457998:my_topics:22fc81cd-1e30-467b-8c47-7090d086cac5), Endpoint (vmrubi310504@gmail.com), Topic (my_topics), and Subscription Principal (arn:aws:iam::393827457998:root). The 'Status' is listed as 'Confirmed'. The 'Protocol' is set to 'EMAIL'. At the bottom, there are tabs for 'Subscription filter policy' (selected) and 'Redrive policy (dead-letter queue)'. A footer bar at the bottom includes CloudShell, Feedback, and links to Privacy, Terms, and Cookie preferences.

The screenshot shows the AWS S3 'Bucket Properties' page for 'my-buckkettyyy'. The top navigation bar includes tabs for SLA, Subscription: 22fc81cd-1e30-4f, my-buckkettyyy - S3 bucket (selected), Inbox (589) - vmrubi310504@gmail.com, and Subscription confirm. The main content area displays 'Event notifications (1)'. It shows a single notification named 'myeventt' for 'Reduced Redundancy Storage (RRS) object lost events, All object create events, All object removal events, All restore object events, All replication events, All object tagging events, Object ACL events, All bucket events, and All bucket metrics events'. There is also an 'Amazon EventBridge' section with a note about using EventBridge for event-driven applications. The 'Transfer acceleration' section indicates it is disabled. The 'Object Lock' section is partially visible at the bottom. A footer bar at the bottom includes CloudShell, Feedback, and links to Privacy, Terms, and Cookie preferences.

my-buckkettyyy Info

Objects (1)

Name	Type	Last modified	Size	Storage class
1110pem.pem	pem	October 14, 2025, 10:57:59 (UTC+05:30)	1.6 KB	Standard

Search mail

Compose

Inbox 589

AWS Notifications <no-reply@sns.amazonaws.com> to me 10:57 AM (12 minutes ago)

{"Records": [{"eventVersion": "2.1", "eventSource": "aws.s3", "awsRegion": "ap-southeast-1", "eventTime": "2025-10-14T05:27:38.931Z", "eventName": "ObjectCreated.Put", "userIdentity": {"principalId": "ANCLHFKWMXWJQ"}, "requestParameters": {"sourceIPAddress": "157.51.141.125"}, "responseElements": {"amz-request-id": "J749KCCYKGZWA5", "x-amz-id-2": "Q2fz7xzuhdEETozDFeZLG1LhYLdBMrkBarbszpJ8C3Qn9GgVaCpnKU1Llah8FVoAEye@wjoDbjHwqhBIoqbQiL3gxtOLOd", "s3": {"s3SchemaVersion": "1.0", "configurationId": "myevent", "bucket": {"name": "my-buckkettyyy"}, "ownerIdentity": {"principalId": "ANCLHFKWMXWJQ"}, "arn": "arn:aws:s3:::my-buckkettyyy", "object": {"key": "1110pem.pem", "size": 1678, "eTag": "dce978c7c9be3940a471c9204d73369c", "sequencer": "0068EDDF5EE2EB3000"}}}]

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://sns.ap-southeast-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:ap-southeast-1:393827457998:my_topics:22fc81cd-1e30-467b-8c47-7090d086cac5&Endpoint=vmbi310504@gmail.com

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

Reply Forward

SQS

- Amazon SQS provides queues for high-throughput, system-to-system messaging.
- We can use queues to decouple heavyweight processes and to buffer and batch work. Amazon SQS stores messages until microservices and serverless applications process them.

The screenshot shows the AWS SQS Queue list page. At the top, there is a banner about SQS fair queues. Below it, a table lists one queue:

Name	Type	Created	Messages available	Messages in flight	Encryption
my_queue	Standard	2025-10-14T22:25+05:30	0	0	Amazon SQS key (SSE-SQS)

The screenshot shows the AWS SQS Send and receive messages page for the 'my_queue'. It displays a success message: "Your message has been sent and is ready to be received." Below this, there are fields for sending a message body and a message group ID. The message body field contains "hi, hello". The message group ID field is empty. There is also a delivery delay field set to 0 seconds.

The screenshot shows the AWS SQS 'Send and receive messages' interface. At the top, there are input fields for 'Seconds' (set to 0) and a dropdown menu. Below these, a note says 'Should be between 0 seconds and 15 minutes.' A section titled 'Message attributes - optional' has a link 'Info'. On the right, there are buttons for 'Clear content' and 'Send message'. The main area is titled 'Receive messages' with a 'Info' link. It displays a table with one message:

Messages available		Polling duration	Maximum message count	Polling progress
1		30	10	1 receives/second

Below this, a table lists the message details:

ID	Sent	Size	Receive count
7b370100-4ee8-45f2-8448-c0baa6045696	2025-10-14T22:27+05:30	9 bytes	1

Buttons for 'View details' and 'Delete' are shown next to the message row. At the bottom, there are links for 'CloudShell', 'Feedback', and copyright information.

This screenshot is identical to the one above, but it includes a modal dialog box in the center. The dialog is titled 'Received message: 7b370100-4ee8-45f2-8448-c0baa6045696'. It contains tabs for 'Body', 'Attributes', and 'Details'. The 'Body' tab is selected, showing the message content 'hi, hello'. There is a 'Done' button at the bottom right of the dialog.