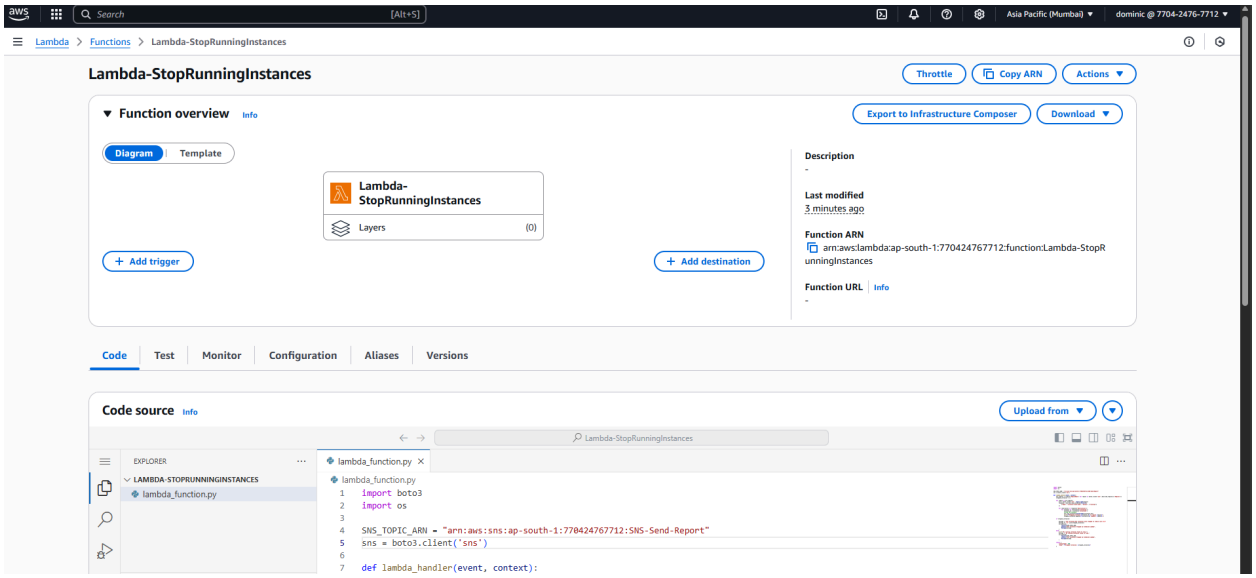
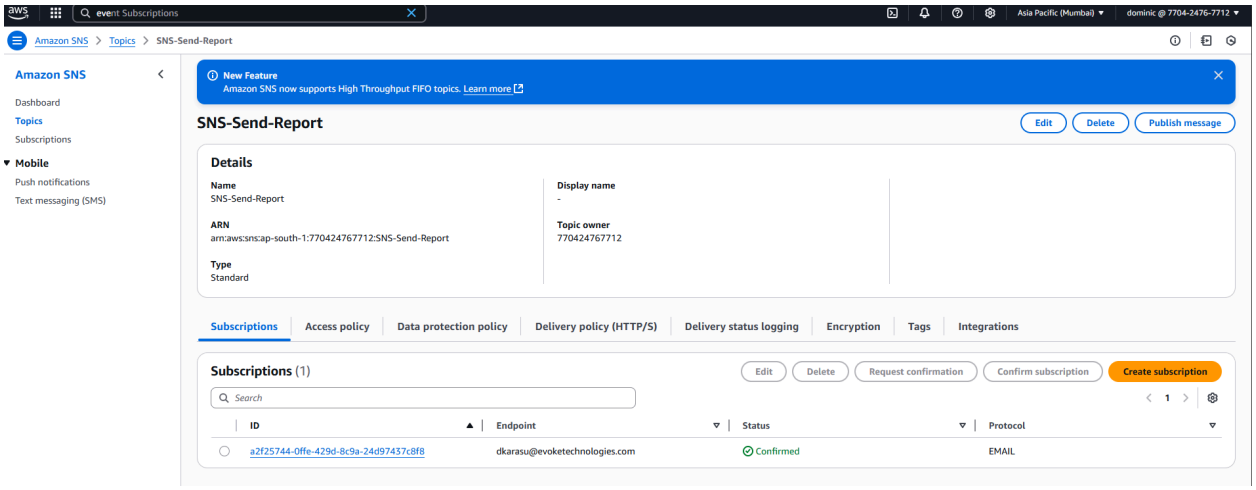
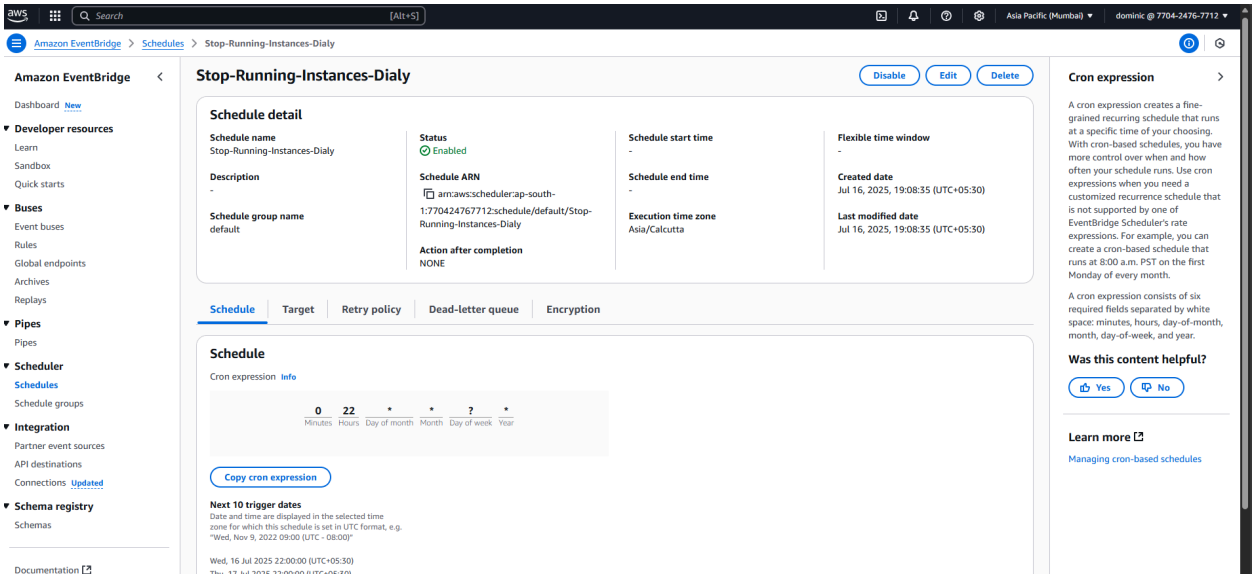
Use case	Use case Description
Auto Stop running Instances during the night	Schedule Lambda every evening and stop running Ec2 instances to reduce billing

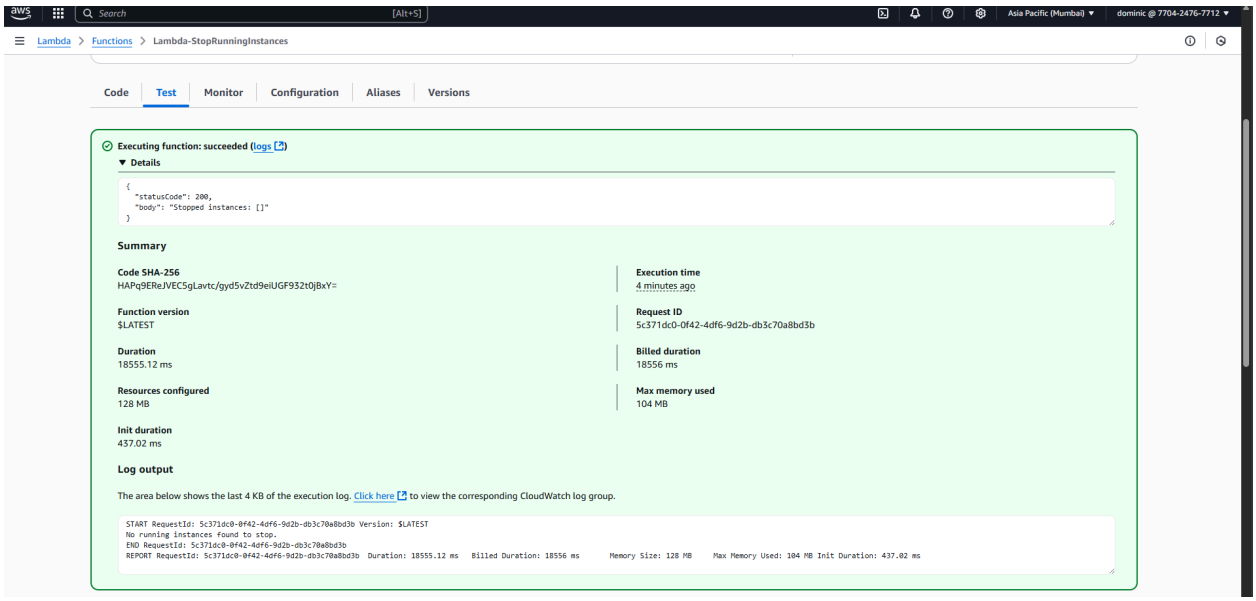
Approach :

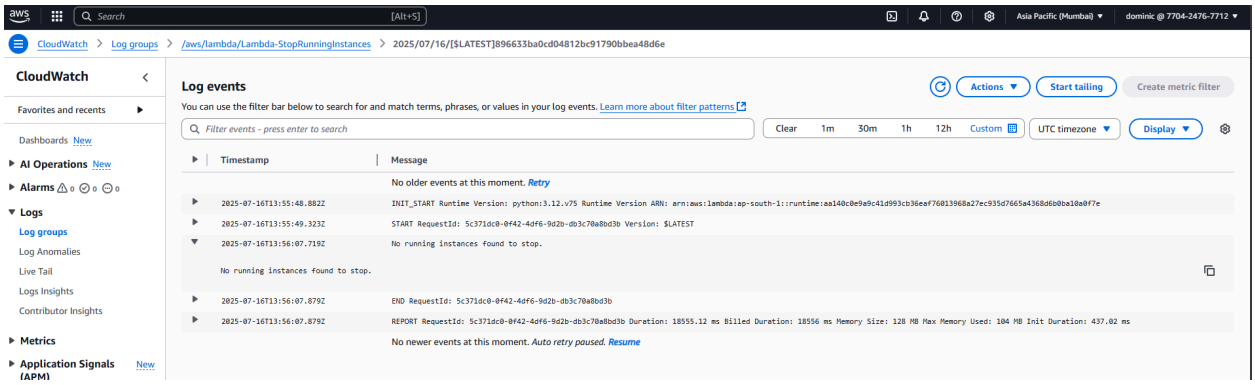
1. Create SNS topic and Subscribe to it
2. Create Lambda function to list and iterate through EC2 instances and check for running instances, stop if any running instances found and send report
3. Create an event bridge scheduler that runs every day at 10.00pm and invokes Lambda






Amazon EventBridge > Schedules > Stop-Running-Instances-Dialy
Stop-Running-Instances-Dialy
Disable
Edit
Delete
Schedule detail
Schedule name
Stop-Running-Instances-Dialy
Status
Enabled
Schedule start time
-
Flexible time window
-
Description
-
Schedule ARN
arn:aws:scheduler:ap-south-1:770424767712:schedule/default/Stop-Running-Instances-Dialy
Schedule end time
-
Created date
Jul 16, 2025, 19:08:35 (UTC+05:30)
Schedule group name
default
Execution time zone
Asia/Calcutta
Last modified date
Jul 16, 2025, 19:08:35 (UTC+05:30)
Action after completion
NONE
Schedule
Target
Retry policy
Dead-letter queue
Encryption
Cron expression
0 22 * * ? *
Minutes Hours Day of month Month Day of week Year
Copy cron expression
Next 10 trigger dates
Wed, 16 Jul 2025 22:00:00 (UTC+05:30)
Cron expression
A cron expression creates a fine-grained recurring schedule that runs at a specific time of your choosing. With cron-based schedules, you have more control over when and how often your schedule runs. Use cron expressions when you need a customized recurrence schedule that is not supported by one of EventBridge Scheduler's rate expressions. For example, you can create a cron-based schedule that runs at 8:00 a.m. PST on the first Monday of every month.
A cron expression consists of six required fields separated by white space: minutes, hours, day-of-month, month, day-of-week, and year.
Was this content helpful?
Yes
No
Learn more
Managing cron-based schedules


Lambda > Functions > Lambda-StopRunningInstances
Code
Test
Monitor
Configuration
Aliases
Versions
Executing function: succeeded (logs)
Details
{
"statusCode": 200,
"body": "Stopped instances: []"
}
Summary
Code SHA-256
HAPq9EReJVEC5gLavtc/gyd5vZtd9eiUGF932t0jBxY=
Execution time
4 minutes ago
Function version
$LATEST
Request ID
5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b
Duration
18555.12 ms
Billed duration
18556 ms
Resources configured
128 MB
Max memory used
104 MB
Init duration
437.02 ms
Log output
The area below shows the last 4 KB of the execution log. Click here to view the corresponding CloudWatch log group.
START RequestId: 5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b Version: $LATEST
No running instances found to stop.
END RequestId: 5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b
REPORT RequestId: 5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b Duration: 18555.12 ms Billed Duration: 18556 ms Memory Size: 128 MB Max Memory Used: 104 MB Init Duration: 437.02 ms


CloudWatch > Log groups > /aws/lambda/Lambda-StopRunningInstances > 2025/07/16/[$LATEST]896633ba0cd04812bc91790bbea48d6e
Log events
Actions
Start tailing
Create metric filter
You can use the filter bar below to search for and match terms, phrases, or values in your log events. Learn more about filter patterns
Filter events - press enter to search
Clear 1m 30m 1h 12h Custom
UTC timezone
Display
Timestamp
Message
No older events at this moment. Retry
2025-07-16T13:55:48.882Z INIT_START Runtime Version: python:3.12.v75 Runtime Version ARN: arn:aws:lambda:ap-south-1::runtime:aa140c0e9a9c41d993cb36eaf76013968a27ec935d7665a4368d6b0ba10a0f7e
2025-07-16T13:55:49.323Z START RequestId: 5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b Version: $LATEST
2025-07-16T13:56:07.719Z No running instances found to stop.
No running instances found to stop.
2025-07-16T13:56:07.879Z END RequestId: 5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b
2025-07-16T13:56:07.879Z REPORT RequestId: 5c371dc0-0f42-4df6-9d2b-db3c70a8bd3b Duration: 18555.12 ms Billed Duration: 18556 ms Memory Size: 128 MB Max Memory Used: 104 MB Init Duration: 437.02 ms
No newer events at this moment. Auto retry paused. Resume

EC2 Instances Stopped by Scheduled Lambda

AN

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No running instances found to stop.

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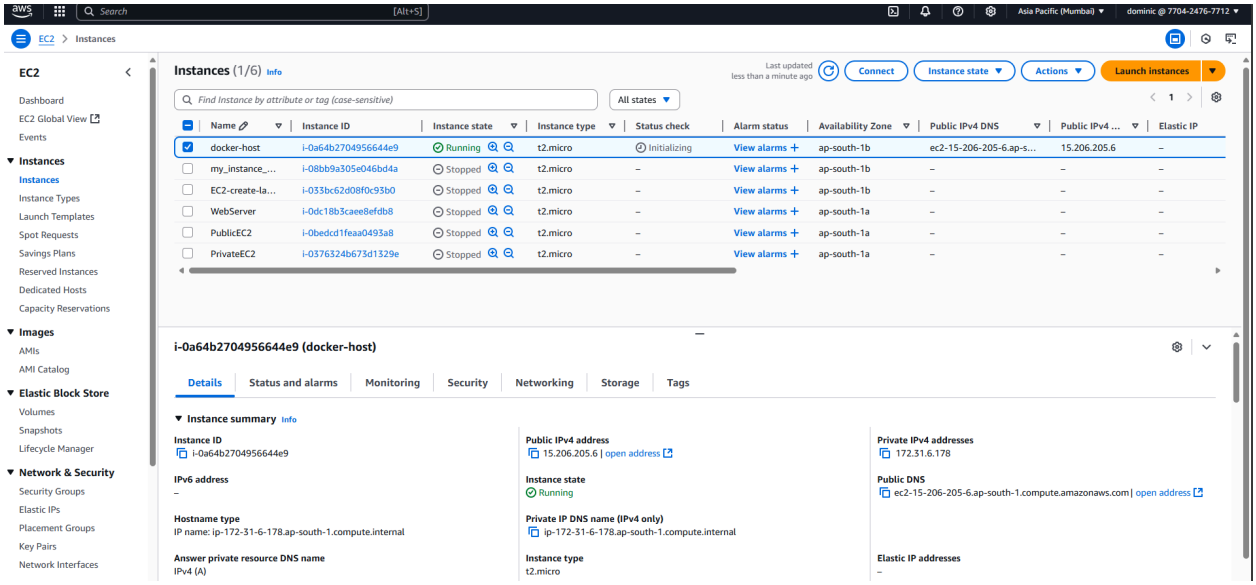

EC2 Instances Stopped by Scheduled Lambda

AN

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The following EC2 instances were stopped to reduce cost:

i-0a64b2704956644e9 (Region: ap-south-1)

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