

To get email notification when instance stop, start, terminate

SNS creation:

[] Go to AWS **SNS console**,

[] Select **Create topic**.

[] select **Standard**. Then just enter the **name** and display **name** for your topic.

The screenshot shows the 'Details' section of the AWS SNS console. It includes a 'Type' section with two options: 'FIFO (first-in, first-out)' and 'Standard'. The 'Standard' option is selected. Below this is a 'Name' field with the value '123'. There is also a 'Display name - optional' field with the value 'My Topic'. At the bottom, there are two expandable sections: 'Encryption - optional' and 'Access policy - optional'.

Details

Type [Info](#)
Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- High throughput, up to 500 publishes/second
- Subscription protocols: SQS

☒ Standard

- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name

123

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_).

Display name - optional [Info](#)
To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

My Topic

Maximum 100 characters.

► **Encryption - optional** [Info](#)
Amazon SNS provides in-transit encryption by default. Enabling server-side encryption adds at-rest encryption to your topic.

► **Access policy - optional** [Info](#)
This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

[] create topic.

[] On the **Subscriptions tab**, click **Create subscription**.

[] For Protocol, **select Email**.

[] For Endpoint, **enter the email address** where you want to receive the notifications.

Details

Topic ARN

Protocol

The type of endpoint to subscribe

Email

Endpoint

An email address that can receive notifications from Amazon SNS.

After your subscription is created, you must confirm it. [info](#)

► Subscription filter policy - optional [info](#)

This policy filters the messages that a subscriber receives.

► Redrive policy (dead-letter queue) - optional [info](#)

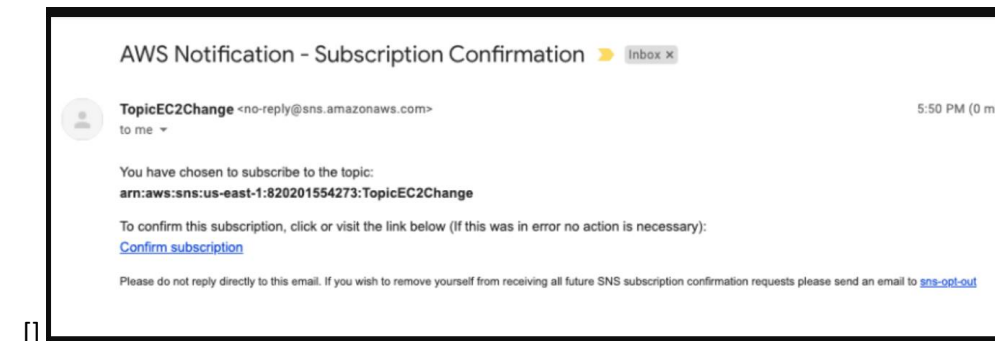
Send undeliverable messages to a dead-letter queue.

Cancel

Create subscription

create subscription

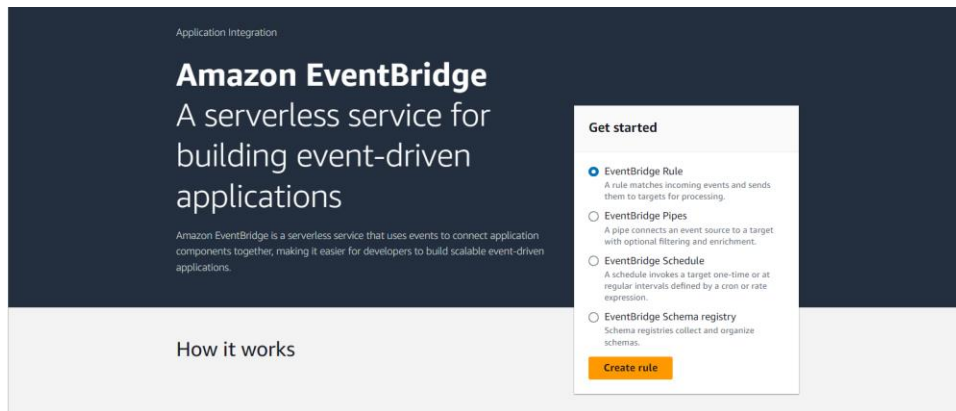
Confirm email subscription sent to the email address you entered.



Before event creation is there in aws cloud watch

Go to **amazon EventBridge** console.

select **EventBridge Rule** and **create rule**



[] Enter a **Name** and **description for your rule**.
On rule type, select **rule with an event pattern**

The image shows the "Define rule detail" form in the Amazon EventBridge console. The breadcrumb trail at the top is "Amazon EventBridge > Rules > Create rule". On the left, there's a sidebar with five steps: "Step 1: Define rule detail" (active), "Step 2: Build event pattern", "Step 3: Select target(s)", "Step 4 - optional: Configure tags", and "Step 5: Review and create". The main form area is titled "Define rule detail" with an "Info" link. It contains several fields: "Name" (with value "ec3" and a character limit note), "Description - optional" (with value "ec2"), "Event bus" (a dropdown menu with "default" selected), and a toggle for "Enable the rule on the selected event bus" which is turned on. Below these is the "Rule type" section with two options: "Rule with an event pattern" (selected) and "Schedule". At the bottom right, there are "Cancel" and "Next" buttons.

[] next

[] select below which are selected

Build event pattern [Info](#)

Event source

Event source

Select the event source from which events are sent.

☒ **AWS events or EventBridge partner events**

Events sent from AWS services or EventBridge partners.

☐ **Other**

Custom events or events sent from more than one source, e.g. events from AWS services and partners.

☐ **All events**

All events sent to your account.

Sample event - optional

You don't have to select or enter a sample event, but it's recommended so you can reference it when writing and testing the event pattern, or filter criteria.

You can reference the sample event when you write the event pattern, or use the sample event to test if it matches the event pattern. Find a sample event, enter your own, or edit a sample event below. [Learn more about the required fields in a sample event.](#)

Sample event type

☒ **AWS events**

☐ EventBridge partner events

☐ Enter my own

Sample events

Filter by event source and type or by keyword.

Select

Creation method

Method

☐ **Use schema**

Use an Amazon EventBridge schema to generate the event pattern.

☒ **Use pattern form**

Use a template provided by EventBridge to create an event pattern.

☐ **Custom pattern (JSON editor)**

Write an event pattern in JSON.

Event pattern [Info](#)

Event source

AWS service or EventBridge partner as source

AWS services

AWS service

The name of the AWS service as the event source

EC2

Event type

The type of events as the source of the matching pattern

EC2 Instance State-change Notification

Event Type Specification 1

☒ **Any state**

☐ Specific state(s)

Specific state(s)

Event Type Specification 2

☒ **Any instance**

☐ Specific instance Id(s)

Event pattern

Event pattern, or filter to match the events

```
1 {
2   "source": ["aws.ec2"],
3   "detail-type": ["EC2 Instance State-change Notification"]
4 }
```

Copy

Test pattern

Edit pattern

Cancel

Previous

Next

[] next

[] In Select **targets**, choose **SNS topic** For **Topic**, choose the topic name that you created earlier.

The screenshot shows the 'Target 1' configuration page in the AWS EventBridge console. It includes sections for 'Target types' with radio buttons for 'EventBridge event bus', 'EventBridge API destination', and 'AWS service' (which is selected). Below this is a 'Select a target' section with a dropdown menu showing 'SNS topic'. A 'Topic' dropdown shows 'ec2notifiy' with a refresh button. An 'Additional settings' section is collapsed. At the bottom are navigation buttons: 'Add another target', 'Cancel', 'Skip to Review and create', 'Previous', and 'Next'.

Target 1

Target types
Select an EventBridge event bus, EventBridge API destination (SaaS partner), or another AWS service as a target.

☐ EventBridge event bus
☐ EventBridge API destination
☒ AWS service

Select a target [Info](#)
Select target(s) to invoke when an event matches your event pattern or when schedule is triggered (limit of 5 targets per rule)

SNS topic ▼

Topic
ec2notifiy ▼

► **Additional settings**

[Add another target](#) [Cancel](#) [Skip to Review and create](#) [Previous](#) [Next](#)

[] check to turn on/off we get mail