

## CloudFormation

## Stacks

## StackSets

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laC generator

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Hooks **New**

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## Create stack

- Step 1 **Create stack**
- Step 2 Specify stack details
- Step 3 Configure stack options
- Step 4 Review and create

### Prerequisite - Prepare template

You can also create a template by scanning your existing resources in the [laC generator](#).

### Prepare template

Every stack is based on a template. A template is a JSON or YAML file that contains configuration information about the AWS resources you want to include in the stack.

- ☐ Choose an existing template  
Upload or choose an existing template.

- **Build from Infrastructure Composer**  
Create a template using a visual builder.

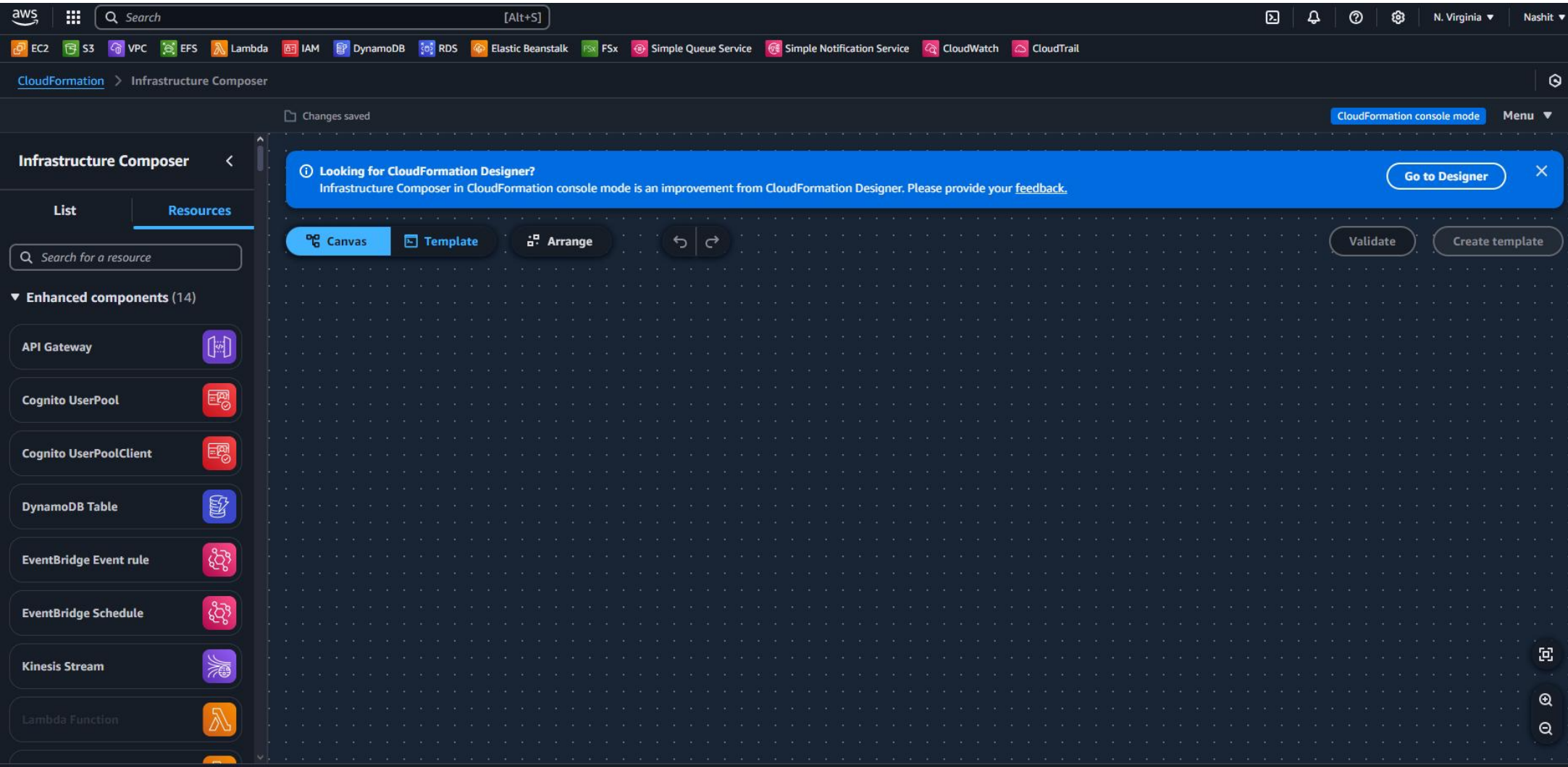
## Create a template in Infrastructure Composer

Use Infrastructure Composer to visually design your stacks on a simple, drag-and-drop interface. Infrastructure Composer automatically updates and validates the template.

### Create in Infrastructure Composer

Cancel

Next



aws

Search

[Alt+S]

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Enhanced components (14)

API Gateway

Cognito UserPool

Cognito UserPoolClient

DynamoDB Table

EventBridge Event rule

EventBridge Schedule

Kinesis Stream

Lambda Function

Canvas

Template

YAML

JSON

Resources:

#SNS

Topic:

Type: AWS::SNS::Topic

Properties:

FifoTopic: true

ContentBasedDeduplication

Continue to CloudFormation

We're creating the following bucket to hold the template and future templates: cf-templates-121ee2vd3zbcj-us-east-1. [Standard Amazon S3 pricing](#) applies. For more information, see [Using Infrastructure Composer in CloudFormation console mode](#).

► Use a different bucket

Cancel

Confirm and continue to CloudFormation

No template validation errors



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AWSTemplateFormatVersion: '2010-09-09'

Description: Template to create a FIFO SQS queue and setup SES email.

Resources:

# FIFO SQS Queue

FifoQueue:

Type: AWS::SQS::Queue

Properties:

QueueName: MyFifoQueue.fifo

FifoQueue: true

ContentBasedDeduplication: true

VisibilityTimeout: 30

Tags:

- Key: Name

Value: MyFifoQueue

# SES Identity (Email)

SESIIdentity:

Type: AWS::SES::EmailIdentity

Properties:

EmailIdentity: your\_email@example.com # Replace with your email address

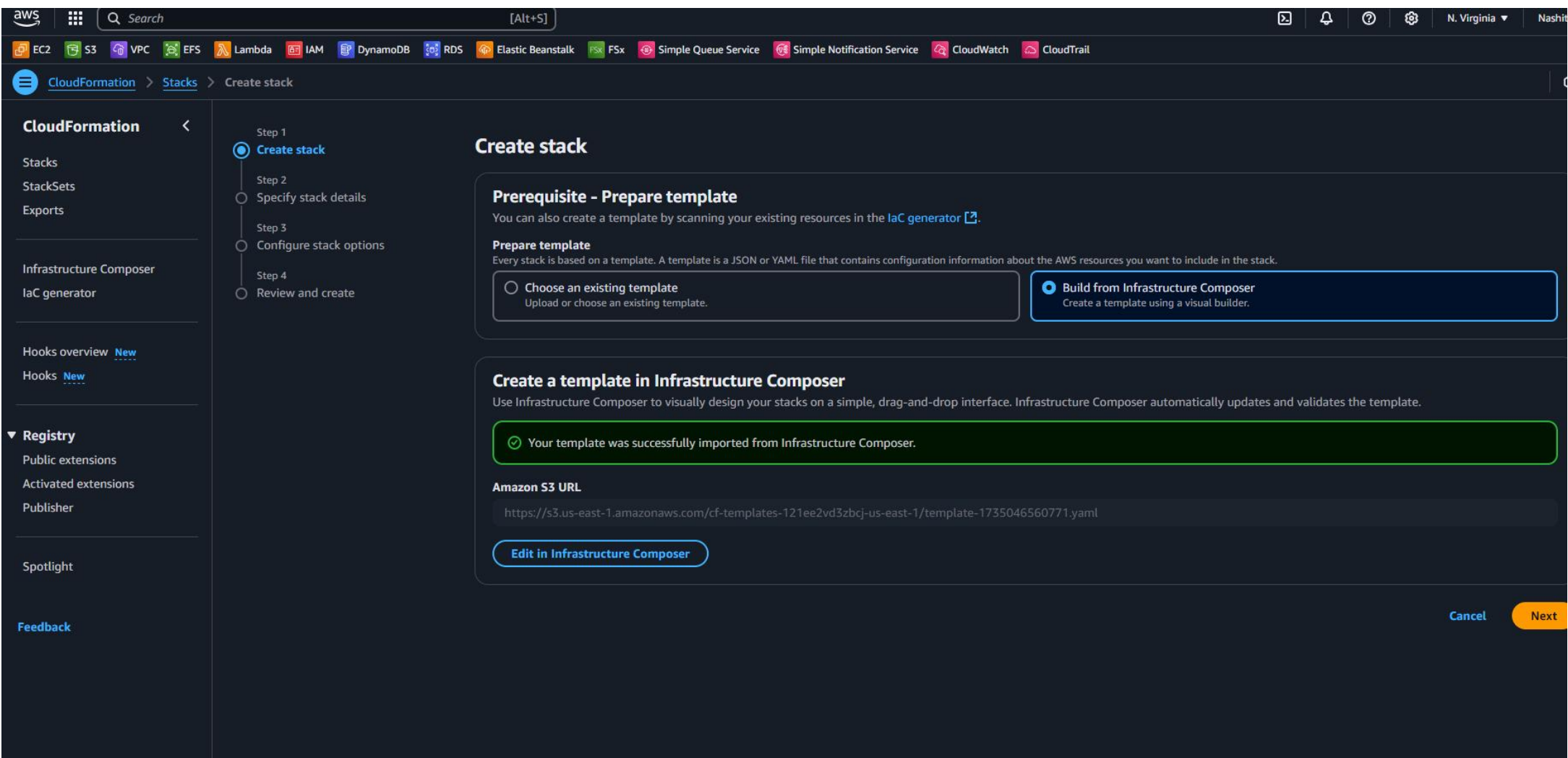
Outputs:

SQSQueueURL:

Value: !Ref FifoQueue

Description: URL of the created FIFO SQS Queue

No template validation errors







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Stacks (1)

Filter status

Active

Filter by stack name

View nested

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Stacks

SQSthemedTemplate

2024-12-24 18:53:17 UTC+0530

CREATE\_IN\_PROGRESS

Infrastructure Composer

IaC generator

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Timeline view - new

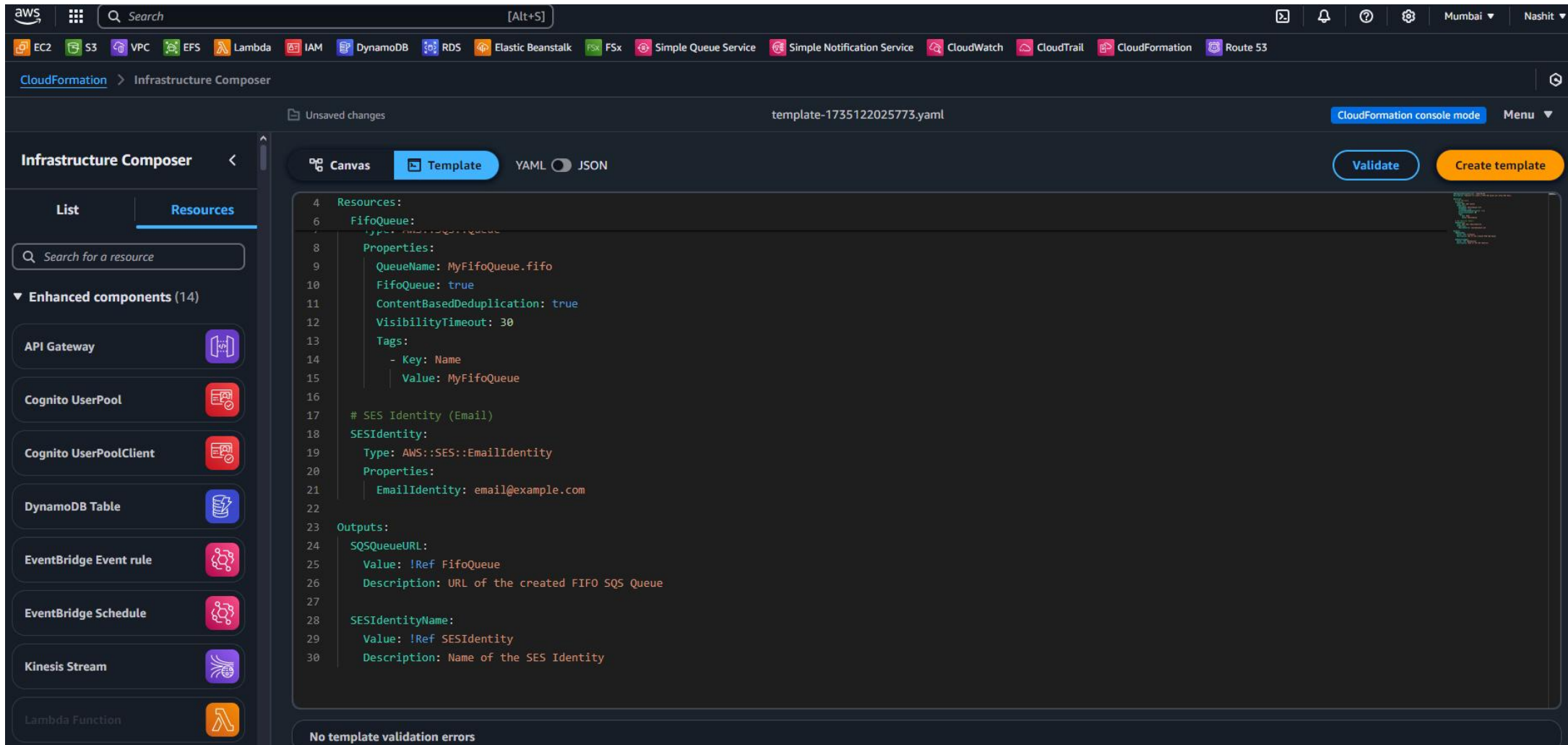
Events (1)

View root cause

Search events

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-12-24 18:53:17 UTC+0530	SQSthemedTemplate	CREATE_IN_PROGRESS	-	User Initiated







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Stacks

sq-ses-assingmnt

2024-12-25 15:52:22 UTC+0530

CREATE\_IN\_PROGRESS

sq-ses-assingmnt

Stack info

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Events (7)

Detect root cause

Search events

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-12-25 15:52:56 UTC+0530	FifoQueue	CREATE_COMPLETE	-	-
2024-12-25 15:52:26 UTC+0530	FifoQueue	CREATE_IN_PROGRESS	CONFIGURATION_COMPL ETE	Eventual consistency check initiated
2024-12-25 15:52:25 UTC+0530	SESIdentity	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-12-25 15:52:25 UTC+0530	FifoQueue	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-12-25 15:52:25 UTC+0530	FifoQueue	CREATE_IN_PROGRESS	-	-
2024-12-25 15:52:25 UTC+0530	SESIdentity	CREATE_IN_PROGRESS	-	-
2024-12-25 15:52:22 UTC+0530	sq-ses-assingmnt	CREATE_IN_PROGRESS	-	User Initiated

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Stacks (1)

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2024-12-25 15:52:22 UTC+0530

CREATE\_COMPLETE

Stack info

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Resources (2)

Search resources

Logical ID

Physical ID

Type

Status

Module

FifoQueue

https://sqs.ap-south-1.amazonaws.com/024848469126/MyFifoQueue.fifo

AWS::SQS::Queue

CREATE\_COMPLETE

-

SESIdentity

email@example.com

AWS::SES::EmailIdentity

CREATE\_COMPLETE

-



[Edit](#) [Delete](#) [Purge](#) [Send and receive messages](#) [Start DLQ redrive](#)

**Name**  
MyFifoQueue.fifo

Type  
FIFO  
High throughput mode is off

ARN  
arn:aws:sqs:ap-south-1:024848469126:MyFifoQueue.fifo

**Encryption**  
Amazon SQS key (SSE-SQS)

**URL**  
 <https://sqs.ap-south-1.amazonaws.com/024848469126/MyFifoQueue.fifo>

## Dead-letter queue

▶ **More**

[SNS subscriptions](#)
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[EventBridge Pipes](#)
[Dead-letter queue](#)
[Monitoring](#)
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Subscription region

ap-south-1

**SNS subscriptions (0)** [Info](#)

 Search subscriptions

**Subscription ARN**

Topic ARN

### No Amazon SNS subscriptions

To allow your queue to receive messages, subscribe it to an Amazon SNS topic.