

## **Project - 3: Publishing Amazon SNS Messages Privately**

Management &amp; Governance

# AWS CloudFormation

## Model and provision all your cloud infrastructure

AWS CloudFormation provides a common language to describe and provision all the infrastructure resources in your environment in a safe, repeatable way.

### How it works



### Create a CloudFormation stack

Use your own template or a sample template to quickly get started.

[Create stack](#)

### Getting started

[What is AWS CloudFormation](#)[Getting started with CloudFormation](#)[Learn template basics](#)[Quick starts](#)

### More resources

[Documentation](#)[API reference](#)[FAQs](#)

Step 1

Create stack

Step 2

Specify stack details

Step 3

Configure stack options

Step 4

Review and create

## Create stack

### Prerequisite - Prepare template

#### 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.

Use a sample template

Choose from our sample template library.

Build from Application Composer

Create a template using a visual builder.

### Specify template

A template is a JSON or YAML file that describes your stack's resources and properties.

#### Template source

Selecting a template generates an Amazon S3 URL where it will be stored.

Amazon S3 URL

Provide an Amazon S3 URL to your template.

Upload a template file

Upload your template directly to the console.

Sync from Git - new

Sync a template from your Git repository.

#### Amazon S3 URL

`https://`

Amazon S3 template URL

S3 URL: Will be generated when URL is provided

[View in Application Composer](#)

Cancel

Next

Step 1

Create stack

Step 2

Specify stack details

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Step 4

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## Create stack

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Amazon S3 URL

Provide an Amazon S3 URL to your template.

Upload a template file

Upload your template directly to the console.

Sync from Git - new

Sync a template from your Git repository.

#### Upload a template file

Choose file

Project3-Cf-tmp-new.yaml

X

JSON or YAML formatted file

S3 URL: <https://s3.us-east-1.amazonaws.com/cf-templates-1t54q2k6ujegq-us-east-1/2024-06-05T163314.235Ziej-Project3-Cf-tmp-new.yaml>

[View in Application Composer](#)

Cancel

Next

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EC2 RDS IAM

CloudFormation > Stacks > Create stack

Step 1 Create stack

Step 2 Specify stack details

Step 3 Configure stack options

Step 4 Review and create

## Specify stack details

### Provide a stack name

Stack name MyProject-3

Stack name must be 1 to 128 characters, start with a letter, and only contain alphanumeric characters. Character count: 11/128.

### Parameters

Parameters are defined in your template and allow you to input custom values when you create or update a stack.

**KeyName**  
Name of an existing EC2 KeyPair to enable SSH access to the instance  
project-3

**SSHLlocation**  
The IP address range that can be used to SSH to the EC2 instance  
0.0.0.0/0

Cancel Previous Next

## Configure stack options

### Tags - optional

Tags (key-value pairs) are used to apply metadata to AWS resources, which can help in organizing, identifying, and categorizing those resources. You can add up to 50 unique tags for each stack.

No tags associated with the stack.

[Add new tag](#)

You can add 50 more tag(s)

### Permissions - optional

Specify an existing AWS Identity and Access Management (IAM) service role that CloudFormation can assume.

#### IAM role - optional

Choose the IAM role for CloudFormation to use for all operations performed on the stack.

### Stack failure options

#### Behavior on provisioning failure

Specify the roll back behavior for a stack failure. [Learn more](#)

 Roll back all stack resources

Roll back the stack to the last known stable state.

 Preserve successfully provisioned resources

Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.

Delete newly created resources during a rollback

Roll back all stack resources

Roll back the stack to the last known stable state.

 Preserve successfully provisioned resources

Preserves the state of successfully provisioned resources, while rolling back failed resources to the last known stable state. Resources without a last known stable state will be deleted upon the next stack operation.

## Delete newly created resources during a rollback

Specify whether resources that were created during a failed operation should be deleted regardless of their deletion policy. [Learn more](#)

 Use deletion policy

Retains or deletes created resources according to their attached deletion policy.

 Delete all newly created resources

Deletes created resources during a rollback regardless of their attached deletion policy.

## Advanced options

You can set additional options for your stack, like notification options and a stack policy. [Learn more](#)

**► Stack policy - optional**

Defines the resources that you want to protect from unintentional updates during a stack update.

**► Rollback configuration - optional**

Specify alarms for CloudFormation to monitor when creating and updating the stack. If the operation breaches an alarm threshold, CloudFormation rolls it back.

**► Notification options - optional**

Specify a new or existing Amazon Simple Notification Service topic where notifications about stack events are sent.

**► Stack creation options - optional**

Specify the timeout and termination protection options for stack creation.

Cancel

Previous

Next

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EC2 RDS IAM

CloudFormation > Stacks > Create stack

Step 1 Create stack

Step 2 Specify stack details

Step 3 Configure stack options

Step 4 Review and create

## Review and create

### Step 1: Specify template

**Prerequisite - Prepare template**

Template  
Template is ready

**Edit**

### Template

Template URL  
<https://s3.us-east-1.amazonaws.com/cf-templates-1t54q2k6ujegg-us-east-1/2024-06-05T163314.235Ziej-Project3-Cf-tmp-new.yaml>

Stack description  
CloudFormation Template for SNS VPC Endpoints Tutorial

### Step 2: Specify stack details

**Provide a stack name**

Stack name  
MyProject-3

**Parameters (2)**

**Edit**

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## Parameters (2)

Search

&lt; 1 &gt;

Key

Value

KeyName

project-3

SSHLocus

0.0.0.0/0

## Step 3: Configure stack options

Edit

## Tags

Search tags

&lt; 1 &gt;

Key

Value

No tags

There are no tags defined for this stack

## Permissions

No permissions

There is no IAM role associated with this stack

## Stack failure options

Rollback on failure



### Stack failure options

Rollback on failure

Activated

Delete newly created resources during a rollback

Deactivated

### Stack policy

No stack policy

There is no stack policy defined

### Rollback configuration

Monitoring time

-

CloudWatch alarm ARN

-

### Notification options

SNS topic ARN

No notification options

There are no notification options defined

### Notification options

SNS topic ARN

No notification options

There are no notification options defined

### Stack creation options

Timeout

-

Termination protection

Deactivated

### Quick-create link

Use quick-create links to get stacks up and running quickly from the AWS CloudFormation console with the same basic configuration as this stack. Copy the URL on the link to share. [Learn more](#)

[Open quick-create link](#)

### Capabilities

**The following resource(s) require capabilities: [AWS::IAM::Role]**

This template contains Identity and Access Management (IAM) resources. Check that you want to create each of these resources and that they have the minimum required permissions. In addition, they have custom names. Check that the custom names are unique within your AWS account. [Learn more](#)

 I acknowledge that AWS CloudFormation might create IAM resources with custom names.[Create change set](#)

Cancel

Previous

Submit

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EC2 RDS IAM

CloudFormation X

Stacks Stack details Drifts StackSets Exports Application Composer New IaC generator Registry Public extensions Activated extensions Publisher Spotlight Feedback

CloudFormation > Stacks > MyProject-3

Stacks (1) Filter by stack name Active View nested < 1 >

Stacks

MyProject-3 2024-06-05 22:07:53 UTC+0530 CREATE\_COMPLETE

Events (64)

Timestamp Logical ID Status Detailed status Status reason

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:10:29 UTC+0530	MyProject-3	CREATE_COMPLETE	-	
2024-06-05 22:10:28 UTC+0530	EC2InstanceProfile	CREATE_COMPLETE	-	
2024-06-05 22:09:01 UTC+0530	SNSTopic	CREATE_COMPLETE	-	
2024-06-05 22:08:49 UTC+0530	EC2Instance	CREATE_COMPLETE	-	
2024-06-05 22:08:33 UTC+0530	LambdaPermission2	CREATE_COMPLETE	-	
2024-06-05 22:08:33 UTC+0530	LambdaPermission1	CREATE_COMPLETE	-	
2024-06-05 22:08:32 UTC+0530	LambdaPermission2	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:32 UTC+0530	LambdaPermission1	CREATE_IN_PROGRESS	-	Resource creation Initiated

Delete Update Stack actions Create stack

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### CloudFormation

CloudFormation > Stacks > MyProject-3

Stack details Drifts StackSets Exports Application Composer IaC generator Registry Public extensions Activated extensions Publisher Spotlight Feedback

Stacks (1)

Filter by stack name

Filter status Active View nested

Stacks

MyProject-3 2024-06-05 22:07:53 UTC+0530 CREATE\_COMPLETE

### Events (64)

Search events

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:08:31 UTC+0530	LambdaPermission2	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:31 UTC+0530	LambdaPermission1	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:31 UTC+0530	SNSTopic	CREATE_IN_PROGRESS	CONFIGURATION_COMPLETE	Eventual consistency check initiated
2024-06-05 22:08:31 UTC+0530	LambdaLogGroup1	CREATE_COMPLETE	-	
2024-06-05 22:08:31 UTC+0530	LambdaLogGroup2	CREATE_COMPLETE	-	
2024-06-05 22:08:30 UTC+0530	SNSTopic	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:28 UTC+0530	EC2Instance	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:26 UTC+0530	EC2Instance	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:26 UTC+0530	EC2InstanceProfile	CREATE_IN_PROGRESS	CONFIGURATION_COMPLETE	Eventual consistency check initiated
2024-06-05 22:08:24 UTC+0530	LambdaLogGroup1	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:24 UTC+0530	LambdaLogGroup2	CREATE_IN_PROGRESS	-	Resource creation Initiated

Detect root cause

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EC2 RDS IAM

### CloudFormation

CloudFormation > Stacks > MyProject-3

Stacks (1)

Filter by stack name

Filter status Active View nested

Stacks

MyProject-3 2024-06-05 22:07:53 UTC+0530 CREATE\_COMPLETE

### Events (64)

Search events

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:08:23 UTC+0530	SNSTopic	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:23 UTC+0530	LambdaLogGroup1	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:23 UTC+0530	LambdaLogGroup2	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:23 UTC+0530	LambdaFunction1	CREATE_COMPLETE	-	
2024-06-05 22:08:23 UTC+0530	LambdaFunction2	CREATE_COMPLETE	-	
2024-06-05 22:08:22 UTC+0530	InternetGatewayRoute	CREATE_COMPLETE	-	
2024-06-05 22:08:22 UTC+0530	InternetGatewayRoute	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:21 UTC+0530	InternetGatewayRoute	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:20 UTC+0530	RouteTable	CREATE_COMPLETE	-	
2024-06-05 22:08:17 UTC+0530	EC2InstanceProfile	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:16 UTC+0530	EC2InstanceProfile	CREATE_IN_PROGRESS	-	

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AWS CloudFormation console showing the creation of a stack named "MyProject-3".

The left sidebar shows the navigation path: CloudFormation > Stacks > MyProject-3.

The main area displays the "Events (64)" table, listing the creation of various resources:

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:08:15 UTC+0530	LambdaFunction2	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:15 UTC+0530	LambdaFunction1	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:15 UTC+0530	EC2InstanceRole	CREATE_COMPLETE	-	-
2024-06-05 22:08:14 UTC+0530	LambdaFunction2	CREATE_IN_PROGRESS	-	-
2024-06-05 22:08:14 UTC+0530	LambdaFunction1	CREATE_IN_PROGRESS	-	-
2024-06-05 22:08:14 UTC+0530	LambdaExecutionRole	CREATE_COMPLETE	-	-
2024-06-05 22:08:13 UTC+0530	InternetGateway	CREATE_COMPLETE	-	-
2024-06-05 22:08:13 UTC+0530	Subnet	CREATE_COMPLETE	-	-
2024-06-05 22:08:13 UTC+0530	SecurityGroup	CREATE_COMPLETE	-	-
2024-06-05 22:08:13 UTC+0530	SubnetRouteTableAssociation	CREATE_COMPLETE	-	-
2024-06-05 22:08:12 UTC+0530	SubnetRouteTableAssociation	CREATE_IN_PROGRESS	-	Resource creation Initiated

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AWS CloudFormation Events (64)

CloudFormation > Stacks > MyProject-3

Stacks (1)

Filter by stack name

Filter status: Active View nested

Stacks

MyProject-3 (2024-06-05 22:07:53 UTC+0530) CREATE\_COMPLETE

Events (64)

Search events

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:08:12 UTC+0530	SecurityGroup	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:11 UTC+0530	VPCGatewayAttachment	CREATE_COMPLETE	-	-
2024-06-05 22:08:11 UTC+0530	SubnetRouteTableAssociation	CREATE_IN_PROGRESS	-	-
2024-06-05 22:08:11 UTC+0530	Subnet	CREATE_IN_PROGRESS	CONFIGURATION_COMPLETE	Eventual consistency check initiated
2024-06-05 22:08:10 UTC+0530	RouteTable	CREATE_IN_PROGRESS	CONFIGURATION_COMPLETE	Eventual consistency check initiated
2024-06-05 22:08:10 UTC+0530	Subnet	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:10 UTC+0530	RouteTable	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:09 UTC+0530	VPCGatewayAttachment	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:08:09 UTC+0530	Subnet	CREATE_IN_PROGRESS	-	-
2024-06-05 22:08:09 UTC+0530	VPCGatewayAttachment	CREATE_IN_PROGRESS	-	-
2024-06-05 22:08:09 UTC+0530	RouteTable	CREATE_IN_PROGRESS	-	-

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### CloudFormation

CloudFormation > Stacks > MyProject-3

Stacks

- Stack details
- Drifts
- StackSets
- Exports

Application Composer [New](#)  
IaC generator

Registry

- Public extensions
- Activated extensions
- Publisher

Spotlight

Feedback

CloudFormation > Stacks > MyProject-3

Stacks (1)

Filter by stack name

Filter status

Active View nested

Stacks

MyProject-3  
2024-06-05 22:07:53 UTC+0530  
CREATE\_COMPLETE

### Events (64)

Search events

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:08:09 UTC+0530	SecurityGroup	CREATE_IN_PROGRESS	-	
2024-06-05 22:08:08 UTC+0530	VPC	CREATE_COMPLETE	-	
2024-06-05 22:07:58 UTC+0530	InternetGateway	CREATE_IN_PROGRESS	CONFIGURATION_COMPLETE	Eventual consistency check initiated
2024-06-05 22:07:58 UTC+0530	VPC	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:57 UTC+0530	EC2InstanceRole	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:57 UTC+0530	InternetGateway	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:57 UTC+0530	LambdaExecutionRole	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:56 UTC+0530	EC2InstanceRole	CREATE_IN_PROGRESS	-	
2024-06-05 22:07:56 UTC+0530	VPC	CREATE_IN_PROGRESS	-	
2024-06-05 22:07:56 UTC+0530	LambdaExecutionRole	CREATE_IN_PROGRESS	-	
2024-06-05 22:07:56 UTC+0530	InternetGateway	CREATE_IN_PROGRESS	-	

Detect root cause

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AWS CloudFormation console showing the creation of a stack named "MyProject-3".

The left sidebar shows the navigation path: CloudFormation > Stacks > MyProject-3.

The main area displays the "Events (64)" table, listing the following events:

Timestamp	Logical ID	Status	Detailed status	Status reason
2024-06-05 22:08:08 UTC+0530	VPC	CREATE_COMPLETE	-	-
2024-06-05 22:07:58 UTC+0530	InternetGateway	CREATE_IN_PROGRESS	CONFIGURATION_COMPLETE	Eventual consistency check initiated
2024-06-05 22:07:58 UTC+0530	VPC	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:57 UTC+0530	EC2InstanceRole	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:57 UTC+0530	InternetGateway	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:57 UTC+0530	LambdaExecutionRole	CREATE_IN_PROGRESS	-	Resource creation Initiated
2024-06-05 22:07:56 UTC+0530	EC2InstanceRole	CREATE_IN_PROGRESS	-	-
2024-06-05 22:07:56 UTC+0530	VPC	CREATE_IN_PROGRESS	-	-
2024-06-05 22:07:56 UTC+0530	LambdaExecutionRole	CREATE_IN_PROGRESS	-	-
2024-06-05 22:07:56 UTC+0530	InternetGateway	CREATE_IN_PROGRESS	-	-
2024-06-05 22:07:53 UTC+0530	MyProject-3	CREATE_IN_PROGRESS	-	User Initiated

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EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs CloudShell Feedback

Instances (1/1) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv6 DNS
VPCE-Tutorial-EC2Instance	i-04b353a642d51e946	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d	ec2-44-201-77-30.amazonaws.com	44.20

i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance)	44.201.77.30   open address	10.0.1.197
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-44-201-77-30.compute-1.amazonaws.com   open address
Hostname type	Private IP DNS name (IPv4 only)	Elastic IP addresses
IP name: ip-10-0-1-197.ec2.internal	ip-10-0-1-197.ec2.internal	-
Answer private resource DNS name	Instance type	AWS Compute Optimizer finding
-	t2.micro	Opt-in to AWS Compute Optimizer for recommendations.   Learn more
Auto-assigned IP address	VPC ID	Auto Scaling Group name
44.201.77.30 [Public IP]	vpc-01bd175d8063e5b37 (VPCE-Tutorial-VPC)	-
IAM Role	Subnet ID	
VPCE-Tutorial-EC2InstanceRole	subnet-0ab6ed7654d9ba06e (VPCE-Tutorial-Subnet)	
IMDSv2	Instance ARN	

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EC2 RDS IAM

### VPC dashboard

EC2 Global View Filter by VPC: Select a VPC

Virtual private cloud

- Your VPCs (2) Info
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists
- Endpoints
- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

DNS firewall

- Rule groups
- Domain lists

Your VPCs (2) Info

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	Main
VPCE-Tutorial-VPC	<a href="#">vpce-01bd175d8063e5b37</a>	Available	10.0.0.0/16	-	<a href="#">dopt-05ad6a15b1e45f1...</a>	<a href="#">rtb-0f2763dae883cbdcf</a>	<a href="#">acl-0</a>
Default VPC	<a href="#">vpc-020050eeb89f650ee</a>	Available	172.30.0.0/16	-	<a href="#">dopt-05ad6a15b1e45f1...</a>	<a href="#">rtb-051470f1dc880fee1</a>	<a href="#">acl-0</a>

Select a VPC above

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EC2 RDS IAM

Amazon SNS X

New Feature Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Dashboard Topics Subscriptions Mobile Push notifications Text messaging (SMS) Origination numbers

Amazon SNS > Topics

Topics (1)

Search

Name Type ARN

Name	Type	ARN
VPCE-Tutorial-Topic	Standard	arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic

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## Amazon SNS

New Feature Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Dashboard Topics Subscriptions Mobile Push notifications Text messaging (SMS) Origination numbers

### Topics > VPCE-Tutorial-Topic

#### VPCE-Tutorial-Topic

Edit Delete Publish message

#### Details

Name	Display name
VPCE-Tutorial-Topic	VPCE-Tutorial-Topic
ARN	Topic owner
arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic	866650389532
Type	
Standard	

Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery status logging Encryption Tags Integrations

#### Subscriptions (2)

Search Edit Delete Request confirmation Confirm subscription Create subscription < 1 > ⚙️

ID	Endpoint	Status	Protocol
54165d91-5f20-4ea0-9a10-e8979641de55	arn:aws:lambda:us-east-1:866650389532:functi...	Confirmed	LAMBDA
ec3efcee-d71c-44d3-acbd-361c90f7cf53	arn:aws:lambda:us-east-1:866650389532:functi...	Confirmed	LAMBDA

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**New Feature**  
Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Amazon SNS > Subscriptions > Create subscription

## Create subscription

**Details**

**Topic ARN**  
arn:aws sns:us-east-1:866650389532:VPCE-Tutorial-Topic

**Protocol**  
The type of endpoint to subscribe  
Email

**Endpoint**  
An email address that can receive notifications from Amazon SNS.  
premswapnil.hedau@gmail.com

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**

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EC2 RDS IAM

Amazon SNS X

New Feature Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Subscription to VPCE-Tutorial-Topic created successfully. The ARN of the subscription is arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic:935c1810-51a5-47f2-a301-fe669b98b66c.

Amazon SNS > Topics > VPCE-Tutorial-Topic > Subscription: 935c1810-51a5-47f2-a301-fe669b98b66c

Subscription: 935c1810-51a5-47f2-a301-fe669b98b66c Edit Delete

Details	
ARN	arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic:935c1810-51a5-47f2-a301-fe669b98b66c
Endpoint	premswapnil.hedau@gmail.com
Topic	<a href="#">VPCE-Tutorial-Topic</a>
Subscription Principal	arn:aws:iam::866650389532:root
Status	Pending confirmation
Protocol	EMAIL

Subscription filter policy Redrive policy (dead-letter queue)

**Subscription filter policy** [Info](#)

This policy filters the messages that a subscriber receives.

No filter policy configured for this subscription.

To apply a filter policy, edit this subscription.

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Search mail



## AWS Notification - Subscription Confirmation



1 of 40,755

VPCE-Tutorial-Topic <no-reply@sns.amazonaws.com>  
to me ▾

22:21 (0 minutes ago) ⭐ 🙌 ↻ ⏷

You have chosen to subscribe to the topic:  
`arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic`

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](#)



Reply



Forward



## Labels



DATA SCIENCE

Documents

HR MAILS

Intellipath

Japanese

Microsoft

318

Notes

Personal

Receipts

STUDY

21

Work

Z1 Contacts Backup Res...

## Amazon SNS



New Feature

Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Dashboard

Topics

Subscriptions

## ▼ Mobile

Push notifications

Text messaging (SMS)

Origination numbers

[Amazon SNS](#) > [Topics](#) > [VPCE-Tutorial-Topic](#) > Subscription: 935c1810-51a5-47f2-a301-fe669b98b66c

## Subscription: 935c1810-51a5-47f2-a301-fe669b98b66c

[Edit](#)[Delete](#)

## Details

## ARN

arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic:935c1810-51a5-47f2-a301-fe669b98b66c

## Status

Confirmed

## Endpoint

premswapnil.hedau@gmail.com

## Protocol

EMAIL

## Topic

[VPCE-Tutorial-Topic](#)

## Subscription Principal

arn:aws:iam::866650389532:root

[Subscription filter policy](#)[Redrive policy \(dead-letter queue\)](#)Subscription filter policy Info

This policy filters the messages that a subscriber receives.

No filter policy configured for this subscription.

To apply a filter policy, edit this subscription.

[Edit](#)

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#Endpoints:

aws Services Search [Alt+S]

EC2 RDS IAM

VPC dashboard X

EC2 Global View ▾

Filter by VPC: Select a VPC ▾

Virtual private cloud

- Your VPCs
- Subnets
- Route tables
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP option sets
- Elastic IPs
- Managed prefix lists

**Endpoints**

- Endpoint services
- NAT gateways
- Peering connections

Security

- Network ACLs
- Security groups

DNS firewall

- Rule groups
- Domain lists

Endpoints Info

C Actions ▾ Create endpoint

No endpoint found

Select an endpoint

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N. Virginia Intellipaat-Swapnil



## Create endpoint Info

There are three types of VPC endpoints – Interface endpoints, Gateway Load Balancer endpoints, and Gateway endpoints. Interface endpoints and Gateway Load Balancer endpoints are powered by AWS PrivateLink, and use an Elastic Network Interface (ENI) as an entry point for traffic destined to the service. Interface endpoints are typically accessed using the public or private DNS name associated with the service, while Gateway endpoints and Gateway Load Balancer endpoints serve as a target for a route in your route table for traffic destined for the service.

### Endpoint settings

#### Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

MyProject-3EP

#### Service category

Select the service category

AWS services

Services provided by Amazon

PrivateLink Ready partner services

Services with an AWS Service Ready designation

AWS Marketplace services

Services that you've purchased through AWS Marketplace

EC2 Instance Connect Endpoint

An elastic network interface that allows you to connect to resources in a private subnet

Other endpoint services

Find services shared with you by service name

### Services (1/1)

🔍 Search

Service Name = com.amazonaws.us-east-1.sns X

Clear filters

< 1 > ⚙

Service Name

▼

Owner

▼

Type

com.amazonaws.us-east-1.sns

amazon

Interface

### VPC

Select the VPC in which to create the endpoint

### VPC

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EC2 RDS IAM

### VPC

Select the VPC in which to create the endpoint

VPC  
The VPC in which to create your endpoint.

vpc-01bd175d8063e5b37 (VPCE-Tutorial-VPC)

▶ Additional settings

### Subnets ( 1/6 ) Info

<input checked="" type="checkbox"/> Availability Zone	Subnet ID	Designate IP addresses	IPv4 address	IPv6 address
us-east-1a (use1-az4)	<span>No subnet available</span>			
us-east-1b (use1-az6)	<span>No subnet available</span>			
us-east-1c (use1-az1)	<span>No subnet available</span>			
us-east-1d (use1-az2)	subnet-0ab6ed7654d9ba06e	<input type="checkbox"/>		
us-east-1e (use1-az3)	<span>No subnet available</span>			
us-east-1f (use1-az5)	<span>No subnet available</span>			

IP address type

IPv4

IPv6

Dualstack

### Security groups (1/2) Info

<input type="checkbox"/> Group ID	Group name	VPC ID	Description
sg-04b3af84ce69da885	default	vpc-01bd175d8063e5b37	default VPC security group
sg-02d7000b4e456d9a5	Tutorial-Community-Group	vpc-01bd175d8063e5b37	Security group for SMC VPC endpoint tutorial

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Security groups (1/2) [Info](#) Search

&lt;

1

&gt;

[G](#)[Group ID](#)[▼](#)[Group name](#)[▼](#)[VPC ID](#)[▼](#)[Description](#)[▼](#) sg-04b3af84ce69da885

default

vpc-01bd175d8063e5b37

default VPC security group

 sg-02d3080b4e45fd8a5

Tutorial Security Group

vpc-01bd175d8063e5b37

Security group for SNS VPC endpoint tutorial

sg-02d3080b4e45fd8a5 [X](#)[Policy](#) [Info](#)

VPC endpoint policy controls access to the service.

 Full access

Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts to any resources in this Amazon Web Services service. All policies — IAM user policies, VPC endpoint policies, and Amazon Web Services service-specific policies (e.g. Amazon S3 bucket policies, any S3 ACL policies) — must grant the necessary permissions for access to succeed.

 Custom

Use the [policy creation tool](#) to generate a policy, then paste the generated policy below.

1

JSON Line 1, Column 1

Errors: 0

Warnings: 0

Code blocks in square or curly brackets can be expanded and collapsed with CTRL+Enter or Command+Enter.

## Tags

Key

Value - optional

 Name MyProject-3EP

Remove

[Add new tag](#)

You can add 49 more tags.

Cancel

Create endpoint

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swainl

EC2 RDS IAM

VPC dashboard Successfully created VPC endpoint vpce-0f95d974a26bebb2f

EC2 Global View Filter by VPC: Select a VPC Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs Security groups DNS firewall Rule groups Domain lists

Endpoints (1/1) Info Actions Create endpoint

Name	VPC endpoint ID	VPC ID	Service name	Endpoint type	Status
MyProject-3EP	vpce-0f95d974a26bebb2f	vpc-01bd175d8063e5b37   VPCE-Tutori...	com.amazonaws.us-east-1.sns	Interface	Pending

Update in progress Endpoint is in pending state, information might be out of date.

vpce-0f95d974a26bebb2f / MyProject-3EP

Details Subnets Security Groups Notification Policy Monitoring Tags

Details			
Endpoint ID vpce-0f95d974a26bebb2f	Status Pending	Creation time Wednesday, June 5, 2024 at 22:27:06 GMT+5:30	Endpoint type Interface
VPC ID vpc-01bd175d8063e5b37 (VPCE Tutorial VPC)	Status message	Service name com.amazonaws.us-east-1.sns	Private DNS names enabled Yes

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EC2 RDS IAM

EC2 Dashboard EC2 Global View Events Console-to-Code Preview Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups Elastic IPs Placement Groups Key Pairs CloudShell Feedback

Instances (1/1) Info Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv6 DNS
VPCE-Tutorial-EC2Instance	i-04b353a642d51e946	Running	t2.micro	2/2 checks passed	View alarms	us-east-1d	ec2-44-201-77-30.com...	44.20

i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance)

Details Status and alarms Monitoring Security Networking Storage Tags

Security details

IAM Role: VPCE-Tutorial-EC2InstanceRole Owner ID: 866650389532 Launch time: Wed Jun 05 2024 22:08:27 GMT+0530 (India Standard Time)

Security groups: sg-02d3080b4e45fd8a5 (Tutorial Security Group)

Inbound rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
-	sgr-0f68dc7253321efd3	All	All	10.0.0.0/16	Tutorial Security Group	-
-	sgr-096b735cdc9c72ed1	22	TCP	0.0.0.0/0	Tutorial Security Group	-

Outbound rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
-	sgr-0f68dc7253321efd3	All	All	10.0.0.0/16	Tutorial Security Group	-
-	sgr-096b735cdc9c72ed1	22	TCP	0.0.0.0/0	Tutorial Security Group	-

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EC2 Dashboard

EC2 Global View

Events

Console-to-Code [Preview](#)

## ▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

## ▼ Images

AMIs

AMI Catalog

## ▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

## ▼ Network &amp; Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

EC2 &gt; Security Groups &gt; sg-02d3080b4e45fd8a5 - Tutorial Security Group

## sg-02d3080b4e45fd8a5 - Tutorial Security Group

Actions ▾

## Details

Security group name

[Tutorial Security Group](#)

Security group ID

[sg-02d3080b4e45fd8a5](#)

Description

[Security group for SNS VPC endpoint tutorial](#)

VPC ID

[vpc-01bd175d8063e5b37](#)

Owner

[866650389532](#)

Inbound rules count

2 Permission entries

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

Tags

## Inbound rules (2)

C

Manage tags

Edit inbound rules

	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sgr-0f68dc7253321efd3	IPv4	All traffic	All	All	10.0.0.0/16	-
<input type="checkbox"/>	-	sgr-096b735cdc9c72ed1	IPv4	SSH	TCP	22	0.0.0.0/0	-

## Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

### Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>	
sgr-0f6dc7253321efd3	All traffic	All	All	Custom	<input type="text"/> 10.0.0.0/16 <span>X</span>	<span>Delete</span>
sgr-096b735cdc9c72ed1	SSH	TCP	22	Custom	<input type="text"/> 0.0.0.0/0 <span>X</span>	<span>Delete</span>

Add rule

⚠ Rules with source of 0.0.0.0/0 or ::/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

XCancelPreview changesSave rules

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EC2 RDS IAM

VPC dashboard X

EC2 Global View Filter by VPC: Select a VPC

Virtual private cloud Your VPCs (2) Info

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP option set	Main route table	
VPCE-Tutorial-VPC	vpc-01bd175d8063e5b37	Available	10.0.0.0/16	-	dopt-05ad6a15b1e45f1...	rtb-0f2763dae883cbdcf	acl-0
Default VPC	vpc-020050eeb89f650ee	Available	172.30.0.0/16	-	dopt-05ad6a15b1e45f1...	rtb-051470f1dc880fee1	acl-0

Command Prompt Microsoft Windows [Version 10.0.22631.3593] (c) Microsoft Corporation. All rights reserved.

Select a C:\Users\prems>

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## Connect to instance Info

Connect to your instance i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance) using any of these options

[EC2 Instance Connect](#)[Session Manager](#)[SSH client](#)[EC2 serial console](#)**Instance ID** [i-04b353a642d51e946 \(VPCE-Tutorial-EC2Instance\)](#)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is project-3.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.  
 [chmod 400 "project-3.pem"](#)
4. Connect to your instance using its Public DNS:  
 [ec2-44-201-77-30.compute-1.amazonaws.com](#)

**Example:** [ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com](#)

**Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

[Cancel](#)

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EC2 RDS IAM

EC2 Instances i-04b353a642d51e946 Connect to instance

## Connect to instance Info

Connect to your instance i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance) using any of these options

EC2 Instance Connect Session Manager **SSH client** EC2 serial console

Instance ID [i-04b353a642d51e946 \(VPCE-Tutorial-EC2Instance\)](#)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is project-3.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.  
[chmod 400 "project-3.pem"](#)
4. Connect to your instance using its Public DNS:  
[ec2-44-201-77-30.compute-1.amazonaws.com](#)

**Command copied**

[ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com](#)

**Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions if the AMI owner has changed the default AMI username.

Command Prompt Microsoft Windows [Version 10.0.22631.3593]  
(c) Microsoft Corporation. All rights reserved.  
C:\Users\prems>cd download  
The system cannot find the path specified.  
C:\Users\prems>cd downloads  
C:\Users\prems\Downloads>ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com

aws Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

EC2 Instances i-04b353a642d51e946 Connect to instance

## Connect to instance Info

Connect to your instance i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance) using any of these options

EC2 Instance Connect Session Manager **SSH client**

Instance ID: [i-04b353a642d51e946 \(VPCE-Tutorial-EC2Instance\)](#)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance.
3. Run this command, if necessary, to ensure your key is not public:  
[chmod 400 "project-3.pem"](#)
4. Connect to your instance using its Public DNS:  
[ec2-44-201-77-30.compute-1.amazonaws.com](#)

**Command copied**

```
ec2-user@ip-10-0-1-197:~ + - X Microsoft Windows [Version 10.0.22631.3593]
(c) Microsoft Corporation. All rights reserved.

C:\Users\prems>cd download
The system cannot find the path specified.

C:\Users\prems>cd downloads

C:\Users\prems\Downloads>ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com
The authenticity of host 'ec2-44-201-77-30.compute-1.amazonaws.com (44.201.77.30)' can't be established.
ED25519 key fingerprint is SHA256:KXY5Hgt6L2JLCTzpGit3XZUanNJ7IYRRXNI7rKY/aJw.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-44-201-77-30.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Last login: Wed Jun 5 16:39:52 2024 from ec2-18-206-107-29.compute-1.amazonaws.com

--| --|_)_
_| ( _ / Amazon Linux 2 AMI
---| \_ |_ |

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-1-197 ~]$
```

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EC2 RDS IAM

EC2 Instances i-04b353a642d51e946 Connect to instance

## Connect to instance Info

Connect to your instance i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance) using any of these options

EC2 Instance Connect Session Manager **SSH client**

Instance ID: i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance.
3. Run this command, if necessary, to ensure your key is not public:  
chmod 400 "project-3.pem"
4. Connect to your instance using its Public DNS:  
ec2-44-201-77-30.compute-1.amazonaws.com

**Command copied**

ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com

**Note:** In most cases, the guessed username is correct. However, if the AMI owner has changed the default AMI username.

```
ec2-user@ip-10-0-1-197:~$ cd download
C:\Users\prems>cd download
The system cannot find the path specified.

C:\Users\prems>cd downloads

C:\Users\prems\Downloads>ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com
The authenticity of host 'ec2-44-201-77-30.compute-1.amazonaws.com (44.201.77.30)' can't be established.
ED25519 key fingerprint is SHA256:KXY5Hgt6L2JLCTzpGit3XZUanNJ7IYRRXNI7rKY/ajw.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-44-201-77-30.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
Last login: Wed Jun 5 16:39:52 2024 from ec2-18-206-107-29.compute-1.amazonaws.com

[ec2-user@ip-10-0-1-197 ~]$ sudo yum update
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
```

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/

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aws Services Search [Alt+S] N. Virginia Intellipaat-Swainil

EC2 RDS IAM

EC2 > Instances > i-04b353a642d51e946 > Connect to instance

## Connect to instance Info

Connect to your instance i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance) using any of these options

EC2 Instance Connect Session Manager **SSH client**

Instance ID  
i-04b353a642d51e946 (VPCE-Tutorial-EC2Instance)

1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance.
3. Run this command, if necessary, to ensure your key is not public:  
`chmod 400 "project-3.pem"`
4. Connect to your instance using its Public DNS:  
`ec2-44-201-77-30.compute-1.amazonaws.com`

**Command copied**

`ssh -i "project-3.pem" ec2-user@ec2-44-201-77-30.compute-1.amazonaws.com`

**Note:** In most cases, the guessed username is correct. However, if the AMI owner has changed the default AMI username.

ec2-user@ip-10-0-1-197:~

1. Contact the upstream for the repository and get them to fix the problem.
2. Reconfigure the baseurl/etc. for the repository, to point to a working upstream. This is most often useful if you are using a newer distribution release than is supported by the repository (and the packages for the previous distribution release still work).
3. Run the command with the repository temporarily disabled  
`yum --disablerepo=<repoid> ...`
4. Disable the repository permanently, so yum won't use it by default. Yum will then just ignore the repository until you permanently enable it again or use --enablerepo for temporary usage:  
`yum-config-manager --disable <repoid>`  
or  
`subscription-manager repos --disable=<repoid>`
5. Configure the failing repository to be skipped, if it is unavailable. Note that yum will try to contact the repo. when it runs most commands, so will have to try and fail each time (and thus, yum will be much slower). If it is a very temporary problem though, this is often a nice compromise:  
`yum-config-manager --save --setopt=<repoid>.skip_if_unavailable=true`

Cannot find a valid baseurl for repo: amzn2-core/2/x86\_64  
[ec2-user@ip-10-0-1-197 ~]\$  
[ec2-user@ip-10-0-1-197 ~]\$

AWS Services Search [Alt+S] N. Virginia Intellipaat-Swapnil

EC2 RDS IAM

Amazon SNS X

New Feature Amazon SNS now supports in-place message archiving and replay for FIFO topics. [Learn more](#)

Dashboard Topics Subscriptions Mobile Push notifications Text messaging (SMS) Origination numbers

Amazon SNS > Topics > VPCE-Tutorial-Topic

VPCE-Tutorial-Topic

Details

Name: VPCE-Tutorial-Topic

ARN: arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic

Type: Standard

Subscriptions (3)

Subscription 1 > 1 > 1 >

Cannot find a valid baseurl for repo: amzn2-core/2/x86\_64  
[ec2-user@ip-10-0-1-197 ~]\$  
[ec2-user@ip-10-0-1-197 ~]\$ aws sns publish --region us-east-2 --topic-arn arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic --message "Hello, Hope everyone is doing well. This is my project3"

ID	Arn	Status	Type
54165d91-5f20-4ea	arn:aws:lambda:us-east-1:866650389532:functi...	Confirmed	LAMBDA
ec3efcee-d71c-44d3-acbd-361c90f7cf53	arn:aws:lambda:us-east-1:866650389532:functi...	Confirmed	EMAIL
Deleted	premswapnil.hedau@gmail.com	Confirmed	

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Compose

## Inbox

- Starred
- Snoozed
- Important
- Sent
- Drafts 23
- Categories
- More

- Labels +
- DATA SCIENCE
- Documents
- HR MAILS
- Intellipath
- Japanese
- Microsoft 318
- Notes
- Personal
- Receipts
- STUDY 21
- Work
- Z1 Contacts Backup Res...

## Primary

## Promotions 18 new

## Social 7 new

## Updates

## Forums

1-50 of 40,757

&lt;

&gt;

grid

list

Details

## VPCE-Tutorial-Topic

## AWS Notifications

## VPCE-Tutorial-Topic

## LinkedIn Job Alerts

## Kotak Bank

## Kotak 811

## BankAlerts@kotak.com

## bankalerts@kotak.com

## bankalerts

## bankalerts@kotak.com 2

## Team ClearTax

## Kotak Bank

## HDFC Bank 2

## Training Meeting In.

## UT Austin Data Scie.

## Training Meeting In.

## Y-Axis Overseas Car.

## AWS Notification Message Hello, Hope everyone is doing well. This is my project3 -- If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe...

22:45

again or use --enablerepo for temporary usage:

yum-config-manager --disable &lt;repoid&gt;

or subscription-manager repos --disable=&lt;repoid&gt;

5. Configure the failing repository to be skipped, if it is unavailable. Note that yum will try to contact the repo. when it runs most commands, so will have to try and fail each time (and thus, yum will be much slower). If it is a very temporary problem though, this is often a nice compromise:

yum-config-manager --save --setopt=&lt;repoid&gt;.skip\_if\_unavailable=true

Cannot find a valid baseurl for repo: amzn2-core/2/x86\_64

[ec2-user@ip-10-0-1-197 ~]\$

[ec2-user@ip-10-0-1-197 ~]\$ aws sns publish --region us-east-2 --topic-arn arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic --message "Hello, Hope everyone is doing well. This is my project3"

^C

[ec2-user@ip-10-0-1-197 ~]\$ aws sns publish --region us-east-2 --topic-arn arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic --message "Hello, Hope everyone is doing well. This is my project3"

^C

[ec2-user@ip-10-0-1-197 ~]\$ aws sns publish --region us-east-1 --topic-arn arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic --message "Hello, Hope everyone is doing well. This is my project3"

{

"MessageId": "6172a958-4afe-5f5b-ad43-f782d57d8da8"

}

[ec2-user@ip-10-0-1-197 ~]\$

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## Start Daily

AWS Notification Message  Inbox **VPCE-Tutorial-Topic** <no-reply@sns.amazonaws.com>  
to me ▾

22:45 (0 minutes ago)



Hello, Hope everyone is doing well. This is my project3

--  
If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:

<https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:866650389532:VPCE-Tutorial-Topic:935c1810-51a5-47f2-a301-fe669b98b66c&Endpoint=premswapnil.hedau@gmail.com>

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Lambda Run code without thinking about servers

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(0) Info Create application ⋮

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Description Region Originating account

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Cost (\$) Jan 24 Mar 24 May 24 Month (Year)

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AWS Lambda Functions (2) - Last fetched 11 seconds ago

Filter by tags and attributes or search by keyword

Function name	Description	Package type	Runtime	Last modified
VPCE-Tutorial-Lambda-1	SNS VPC endpoint tutorial lambda function 1	Zip	Python 3.9	41 minutes ago
VPCE-Tutorial-Lambda-2	SNS VPC endpoint tutorial lambda function 2	Zip	Python 3.9	41 minutes ago

Actions Create function

Learn how to implement common use cases in AWS Lambda.

### Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

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AWS Lambda Functions - VPCE-Tutorial-Lambda-1

This function belongs to an application. [Click here](#) to manage it.

**Function overview**

**Diagram** **Template**

**VPCE-Tutorial-Lambda-1**

**SNS**

**Layers** (0)

**Related functions:** Select a function

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**Description**  
SNS VPC endpoint tutorial lambda function 1

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[arn:aws:lambda:us-east-1:866650389532:function:VPCE-Tutorial-Lambda-1](#)

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[MyProject-3](#)

**Function URL** [Info](#)

**Code source** [Info](#)

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Code Test Monitor Configuration Aliases Versions

Monitor Info View CloudWatch logs View X-Ray traces View Lambda Insights View CodeGuru profiles Filter metrics by Function

1h 3h 12h 1d 3d 1w Custom UTC timezone

Alarm recommendations

CloudWatch metrics

Lambda sends runtime metrics for your functions to Amazon CloudWatch. The metrics shown are an aggregate view of all function runtime activity. To view metrics for the unqualified or \$LATEST resource, choose Filter by. To view metrics for a specific function version or alias, choose Aliases or Versions, select the alias or version, and then choose Monitor.

Throttles Total concurrent executions Recursive invocations dropped

Count	Count	No unit
1	2	1

No data available.  
Try adjusting the dashboard time range.

Info Tutorials Learn how to implement common use cases in AWS Lambda. Create a simple web app In this tutorial you will learn how to:

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Dashboards

Alarms In alarm All alarms Billing

Logs Log groups Log Anomalies Live Tail Logs Insights

Metrics X-Ray traces Events

Application Signals Network monitoring

Insights Settings Getting Started What's new

CloudWatch > Log groups > /aws/lambda/VPCE-Tutorial-Lambda-1

# /aws/lambda/VPCE-Tutorial-Lambda-1

Actions View in Logs Insights Start tailing Search log group

Log group details

Log class Info Standard ARN arn:aws:logs:us-east-1:866650389532:log-group:/aws/lambda/VPCE-Tutorial-Lambda-1:\* Creation time 42 minutes ago Retention 1 week Stored bytes -

Metric filters 0 Subscription filters 0 Contributor Insights rules - KMS key ID -

Anomaly detection Configure Data protection - Sensitive data count -

Log streams Tags Anomaly detection Metric filters Subscription filters Contributor Insights Data protection

Log streams (1)

Filter log streams or try prefix search Exact match Show expired Info

Log stream Last event time 2024-06-05 [\$LATEST]c8162e9997064038988a772415f8cc3d 2024-06-05 17:15:47 (UTC)

< 1 > @

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Metrics

X-Ray traces

Events

Application Signals

Network monitoring

Insights

Settings

Getting Started

What's new

CloudWatch > Log groups > /aws/lambda/VPCE-Tutorial-Lambda-1 > 2024/06/05/[LATEST]c8162e9997064038988a772415f8cc3d

Log events

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. <a href="#">Retry</a>
2024-06-05T17:15:47.692Z	INIT_START Runtime Version: python:3.9.v53 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:61e546f90702da13effe2459af74f33c6be93e79921e46f165413c75ec9bacba
2024-06-05T17:15:47.763Z	Loading function
2024-06-05T17:15:47.765Z	START RequestId: 010efc6a-9fb6-4f41-a51b-df388f05f1be Version: \$LATEST
2024-06-05T17:15:47.765Z	From SNS: Hello, Hope everyone is doing well. This is my project3
2024-06-05T17:15:47.785Z	END RequestId: 010efc6a-9fb6-4f41-a51b-df388f05f1be
2024-06-05T17:15:47.785Z	REPORT RequestId: 010efc6a-9fb6-4f41-a51b-df388f05f1be Duration: 19.86 ms Billed Duration: 20 ms Memory Size: 128 MB Max Memory Used: 30 MB Init Duration: 71.64 ms
	No newer events at this moment. Auto retry paused. <a href="#">Resume</a>